

Figure 1S. Schematic of the pulsed laser photolysis–laser induced fluorescence (PLP-LIF) apparatus used to measure the rate coefficient for reaction (1), $k_1(T)$, $\text{OH} + \text{CH}_3\text{COCHO} \rightarrow \text{products}$. The arrows indicate the direction of gas flow through the apparatus. FT-IR = Fourier transform infrared spectrometer; PMT = photomultiplier tube.

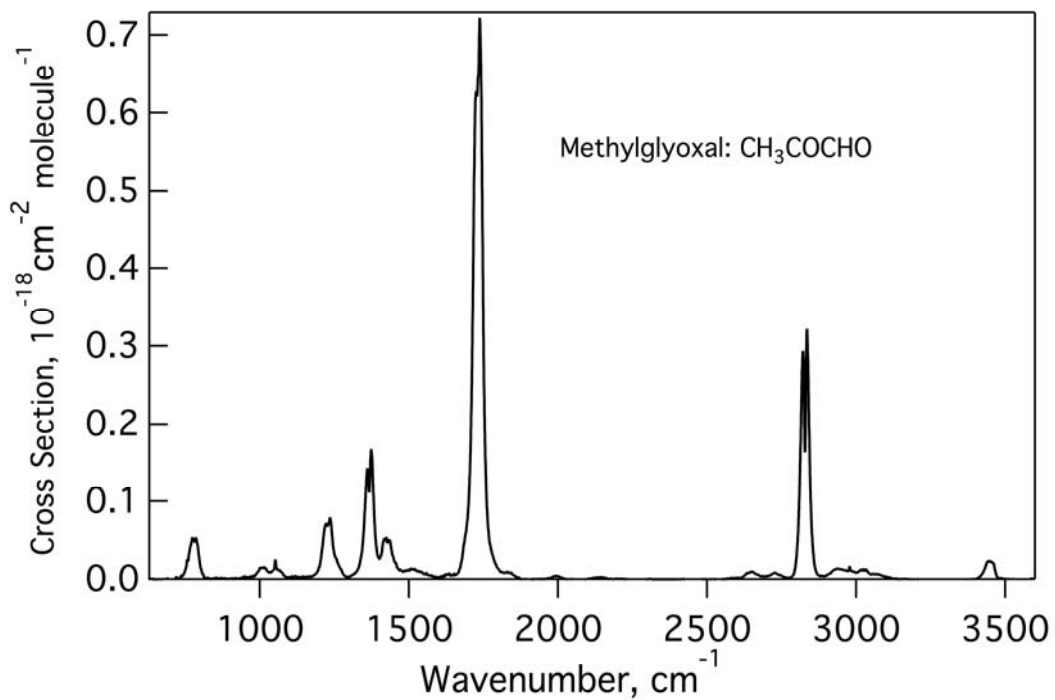


Figure 2S. Gas-phase infrared absorption spectrum of CH₃COCHO (methylglyoxal) at 295 K recorded at 1 cm⁻¹ resolution using a Fourier transform spectrometer.

Table S1. Infrared absorption spectra of CH₃COCHO at 296 K measured in this work. Cross sections are in units of cm² molecule⁻¹ (base e).

Wavenumber	Cross section
629.654	0
630.136	0
630.619	0
631.101	0
631.583	0
632.065	4.04E-22
632.547	4.76E-22
633.029	5.55E-22
633.511	5.61E-22
633.994	4.25E-22
634.476	5.41E-22
634.958	6.30E-22
635.44	2.00E-22
635.922	0
636.404	0
636.886	0
637.368	0
637.851	0
638.333	0
638.815	0
639.297	0
639.779	0
640.261	4.99E-22
640.743	8.64E-22
641.225	1.08E-21
641.707	9.87E-22
642.19	4.33E-22
642.672	2.00E-22
643.154	2.00E-22
643.636	2.00E-22
644.118	2.00E-22
644.6	2.00E-22
645.082	2.00E-22
645.564	2.00E-22
646.047	2.00E-22
646.529	2.00E-22
647.011	2.00E-22
647.493	2.00E-22
647.975	2.00E-22
648.457	2.00E-22
648.939	2.00E-22
649.422	2.00E-22
649.904	2.00E-22
650.386	2.00E-22
650.868	2.00E-22
651.35	2.00E-22
651.832	2.00E-22
652.314	2.00E-22
652.796	2.00E-22

653.279	2.00E-22
653.761	2.00E-22
654.243	2.00E-22
654.725	2.00E-22
655.207	2.00E-22
655.689	2.00E-22
656.171	2.00E-22
656.653	2.00E-22
657.135	2.00E-22
657.618	2.00E-22
658.1	2.00E-22
658.582	2.00E-22
659.064	1.37E-21
659.546	0
660.028	0
660.51	0
660.992	0
661.475	0
661.957	0
662.439	0
662.921	0
663.403	2.00E-22
663.885	2.00E-22
664.367	2.00E-22
664.85	2.00E-22
665.332	2.00E-22
665.814	2.00E-22
666.296	2.00E-22
666.778	2.00E-22
667.26	2.00E-22
667.742	2.00E-22
668.224	2.00E-22
668.707	2.00E-22
669.189	2.00E-22
669.671	2.00E-22
670.153	2.00E-22
670.635	2.00E-22
671.117	2.00E-22
671.599	2.00E-22
672.081	2.00E-22
672.563	2.00E-22
673.046	2.00E-22
673.528	2.00E-22
674.01	2.00E-22
674.492	2.00E-22
674.974	2.00E-22
675.456	2.00E-22
675.938	3.02E-22
676.42	2.91E-22
676.903	2.25E-22
677.385	2.35E-22
677.867	3.41E-22
678.349	3.75E-22
678.831	5.01E-22
679.313	2.66E-22
679.795	2.00E-22

680.278	2.00E-22
680.76	2.00E-22
681.242	2.00E-22
681.724	2.00E-22
682.206	2.00E-22
682.688	2.00E-22
683.17	2.00E-22
683.652	2.00E-22
684.135	2.00E-22
684.617	2.00E-22
685.099	2.00E-22
685.581	2.00E-22
686.063	2.00E-22
686.545	2.00E-22
687.027	2.00E-22
687.509	2.00E-22
687.991	2.00E-22
688.474	9.13E-22
688.956	1.38E-21
689.438	1.26E-21
689.92	1.07E-21
690.402	1.01E-21
690.884	7.09E-22
691.366	3.50E-22
691.848	2.00E-22
692.331	2.00E-22
692.813	2.00E-22
693.295	2.00E-22
693.777	2.00E-22
694.259	2.00E-22
694.741	2.00E-22
695.223	3.45E-22
695.705	2.10E-22
696.188	2.00E-22
696.67	2.00E-22
697.152	2.00E-22
697.634	2.00E-22
698.116	2.00E-22
698.598	2.00E-22
699.08	2.00E-22
699.562	2.00E-22
700.045	2.00E-22
700.527	2.00E-22
701.009	2.00E-22
701.491	2.00E-22
701.973	2.00E-22
702.455	4.39E-22
702.937	5.59E-22
703.419	4.77E-22
703.902	3.97E-22
704.384	2.38E-22
704.866	2.00E-22
705.348	2.00E-22
705.83	2.00E-22
706.312	2.00E-22
706.794	2.00E-22

707.276	2.00E-22
707.759	2.00E-22
708.241	2.00E-22
708.723	2.00E-22
709.205	2.00E-22
709.687	2.00E-22
710.169	2.00E-22
710.651	2.00E-22
711.133	2.00E-22
711.615	2.00E-22
712.098	2.00E-22
712.58	2.00E-22
713.062	2.00E-22
713.544	2.00E-22
714.026	2.00E-22
714.508	2.00E-22
714.99	2.00E-22
715.472	2.00E-23
715.955	5.10E-22
716.437	1.10E-21
716.919	8.41E-22
717.401	2.00E-22
717.883	2.78E-22
718.365	1.27E-21
718.847	2.70E-21
719.33	2.70E-21
719.812	2.70E-21
720.294	2.70E-21
720.776	2.70E-21
721.258	2.70E-21
721.74	2.70E-21
722.222	2.70E-21
722.704	2.52E-21
723.187	1.10E-21
723.669	2.00E-22
724.151	2.00E-22
724.633	2.00E-22
725.115	2.00E-22
725.597	2.00E-22
726.079	3.15E-22
726.561	8.96E-22
727.043	5.96E-22
727.526	4.97E-22
728.008	4.34E-22
728.49	4.32E-22
728.972	2.43E-22
729.454	1.61E-22
729.936	4.48E-22
730.418	8.40E-22
730.9	1.07E-21
731.383	1.20E-21
731.865	1.45E-21
732.347	1.69E-21
732.829	1.95E-21
733.311	2.20E-21
733.793	2.39E-21

734.275	2.74E-21
734.758	3.30E-21
735.24	3.59E-21
735.722	3.64E-21
736.204	3.96E-21
736.686	4.45E-21
737.168	4.66E-21
737.65	4.80E-21
738.132	4.79E-21
738.615	4.45E-21
739.097	4.13E-21
739.579	3.80E-21
740.061	3.53E-21
740.543	3.66E-21
741.025	3.96E-21
741.507	4.37E-21
741.989	4.68E-21
742.471	4.96E-21
742.954	5.29E-21
743.436	5.53E-21
743.918	5.87E-21
744.4	6.33E-21
744.882	6.51E-21
745.364	6.55E-21
745.846	6.79E-21
746.328	7.00E-21
746.811	7.36E-21
747.293	8.21E-21
747.775	8.89E-21
748.257	9.48E-21
748.739	1.02E-20
749.221	1.07E-20
749.703	1.10E-20
750.186	1.12E-20
750.668	1.17E-20
751.15	1.23E-20
751.632	1.31E-20
752.114	1.38E-20
752.596	1.46E-20
753.078	1.56E-20
753.56	1.59E-20
754.043	1.57E-20
754.525	1.72E-20
755.007	1.97E-20
755.489	2.18E-20
755.971	2.32E-20
756.453	2.40E-20
756.935	2.45E-20
757.417	2.44E-20
757.899	2.41E-20
758.382	2.38E-20
758.864	2.34E-20
759.346	2.30E-20
759.828	2.30E-20
760.31	2.35E-20
760.792	2.44E-20

761.274	2.59E-20
761.756	2.81E-20
762.239	3.05E-20
762.721	3.20E-20
763.203	3.37E-20
763.685	3.32E-20
764.167	3.38E-20
764.649	3.51E-20
765.131	3.66E-20
765.614	3.79E-20
766.096	3.90E-20
766.578	4.00E-20
767.06	4.10E-20
767.542	4.19E-20
768.024	4.28E-20
768.506	4.35E-20
768.988	4.42E-20
769.471	4.51E-20
769.953	4.59E-20
770.435	4.64E-20
770.917	4.71E-20
771.399	4.79E-20
771.881	4.90E-20
772.363	5.02E-20
772.845	5.15E-20
773.327	5.24E-20
773.81	5.30E-20
774.292	5.33E-20
774.774	5.34E-20
775.256	5.30E-20
775.738	5.23E-20
776.22	5.18E-20
776.702	5.12E-20
777.184	5.05E-20
777.667	5.00E-20
778.149	4.98E-20
778.631	4.98E-20
779.113	4.99E-20
779.595	4.98E-20
780.077	4.94E-20
780.559	4.89E-20
781.041	4.85E-20
781.524	4.84E-20
782.006	4.86E-20
782.488	4.87E-20
782.97	4.93E-20
783.452	5.04E-20
783.934	5.15E-20
784.416	5.24E-20
784.898	5.28E-20
785.381	5.30E-20
785.863	5.32E-20
786.345	5.31E-20
786.827	5.26E-20
787.309	5.18E-20
787.791	5.10E-20

788.273	5.04E-20
788.755	4.98E-20
789.237	4.90E-20
789.72	4.78E-20
790.202	4.66E-20
790.684	4.55E-20
791.166	4.48E-20
791.648	4.38E-20
792.13	4.24E-20
792.612	4.10E-20
793.095	3.94E-20
793.577	3.79E-20
794.059	3.61E-20
794.541	3.41E-20
795.023	3.23E-20
795.505	3.07E-20
795.987	2.93E-20
796.469	2.81E-20
796.952	2.69E-20
797.434	2.57E-20
797.916	2.44E-20
798.398	2.30E-20
798.88	2.16E-20
799.362	2.01E-20
799.844	1.84E-20
800.326	1.69E-20
800.808	1.56E-20
801.291	1.47E-20
801.773	1.41E-20
802.255	1.38E-20
802.737	1.35E-20
803.219	1.32E-20
803.701	1.30E-20
804.183	1.25E-20
804.665	1.18E-20
805.148	1.08E-20
805.63	9.81E-21
806.112	8.73E-21
806.594	7.73E-21
807.076	7.12E-21
807.558	6.64E-21
808.04	6.34E-21
808.523	6.28E-21
809.005	6.41E-21
809.487	6.54E-21
809.969	6.37E-21
810.451	6.12E-21
810.933	5.81E-21
811.415	5.25E-21
811.897	4.48E-21
812.38	3.53E-21
812.862	2.66E-21
813.344	2.12E-21
813.826	1.97E-21
814.308	2.08E-21
814.79	2.28E-21

815.272	2.42E-21
815.754	2.29E-21
816.236	2.12E-21
816.719	2.09E-21
817.201	1.93E-21
817.683	1.56E-21
818.165	1.39E-21
818.647	1.38E-21
819.129	1.24E-21
819.611	1.13E-21
820.093	1.25E-21
820.576	1.55E-21
821.058	1.80E-21
821.54	1.95E-21
822.022	1.83E-21
822.504	1.61E-21
822.986	1.44E-21
823.468	1.35E-21
823.951	1.46E-21
824.433	1.66E-21
824.915	1.95E-21
825.397	2.05E-21
825.879	2.00E-21
826.361	1.95E-21
826.843	1.73E-21
827.325	1.30E-21
827.808	1.00E-21
828.29	8.12E-22
828.772	4.26E-22
829.254	2.00E-22
829.736	2.00E-22
830.218	2.00E-22
830.7	2.00E-22
831.182	2.00E-22
831.664	2.00E-22
832.147	3.82E-22
832.629	7.98E-22
833.111	1.00E-21
833.593	1.11E-21
834.075	1.01E-21
834.557	9.11E-22
835.039	6.76E-22
835.521	3.09E-22
836.004	1.95E-22
836.486	1.74E-22
836.968	2.69E-23
837.45	1.24E-22
837.932	4.46E-22
838.414	5.97E-22
838.896	6.81E-22
839.379	8.52E-22
839.861	9.54E-22
840.343	8.83E-22
840.825	7.09E-22
841.307	5.30E-22
841.789	4.18E-22

842.271	2.26E-22
842.753	4.08E-24
843.236	2.00E-22
843.718	2.00E-22
844.2	2.00E-22
844.682	2.00E-22
845.164	2.00E-22
845.646	7.20E-22
846.128	1.13E-21
846.61	1.44E-21
847.092	1.83E-21
847.575	1.95E-21
848.057	1.81E-21
848.539	1.90E-21
849.021	8.54E-22
849.503	2.00E-22
849.985	2.00E-22
850.467	2.00E-22
850.949	2.00E-22
851.432	2.00E-22
851.914	4.25E-22
852.396	2.17E-21
852.878	2.17E-21
853.36	2.17E-21
853.842	2.17E-21
854.324	2.17E-21
854.807	2.17E-21
855.289	2.17E-21
855.771	2.17E-21
856.253	2.07E-21
856.735	5.31E-22
857.217	2.00E-22
857.699	2.00E-22
858.181	2.00E-22
858.663	2.00E-22
859.146	2.00E-22
859.628	2.00E-22
860.11	2.00E-22
860.592	2.00E-22
861.074	5.62E-22
861.556	1.04E-21
862.038	1.40E-21
862.52	1.50E-21
863.003	1.32E-21
863.485	1.22E-21
863.967	1.23E-21
864.449	9.93E-22
864.931	9.36E-22
865.413	9.60E-22
865.895	8.08E-22
866.377	7.44E-22
866.86	9.05E-22
867.342	1.20E-21
867.824	1.27E-21
868.306	1.08E-21
868.788	8.30E-22

869.27	5.57E-22
869.752	4.30E-22
870.234	4.80E-22
870.717	6.22E-22
871.199	9.72E-22
871.681	1.38E-21
872.163	1.61E-21
872.645	1.69E-21
873.127	1.69E-21
873.609	1.70E-21
874.091	1.52E-21
874.573	1.42E-21
875.056	1.36E-21
875.538	1.03E-21
876.02	5.06E-22
876.502	2.00E-22
876.984	2.00E-22
877.466	2.00E-22
877.948	2.00E-22
878.431	2.00E-22
878.913	2.00E-22
879.395	2.00E-22
879.877	4.54E-22
880.359	7.29E-22
880.841	1.04E-21
881.323	1.35E-21
881.805	1.59E-21
882.288	1.68E-21
882.77	1.47E-21
883.252	1.34E-21
883.734	1.21E-21
884.216	1.08E-21
884.698	1.07E-21
885.18	1.05E-21
885.662	8.96E-22
886.144	8.84E-22
886.627	9.63E-22
887.109	8.47E-22
887.591	7.64E-22
888.073	6.60E-22
888.555	4.11E-22
889.037	2.00E-22
889.519	2.00E-22
890.001	2.00E-22
890.484	2.00E-22
890.966	2.80E-22
891.448	6.21E-22
891.93	8.05E-22
892.412	7.15E-22
892.894	7.65E-22
893.376	8.52E-22
893.859	8.46E-22
894.341	7.70E-22
894.823	5.71E-22
895.305	3.75E-22
895.787	4.29E-22

896.269	3.82E-22
896.751	2.31E-22
897.233	3.78E-22
897.716	6.21E-22
898.198	8.35E-22
898.68	1.05E-21
899.162	1.16E-21
899.644	1.15E-21
900.126	1.02E-21
900.608	8.00E-22
901.09	7.26E-22
901.573	5.53E-22
902.055	2.74E-22
902.537	2.00E-22
903.019	2.00E-22
903.501	2.00E-22
903.983	2.00E-22
904.465	2.00E-22
904.947	2.00E-22
905.43	2.00E-22
905.912	2.00E-22
906.394	5.21E-22
906.876	1.07E-21
907.358	1.35E-21
907.84	1.44E-21
908.322	1.48E-21
908.804	1.40E-21
909.287	1.15E-21
909.769	7.06E-22
910.251	2.34E-22
910.733	1.05E-22
911.215	7.21E-23
911.697	1.53E-22
912.179	3.48E-22
912.661	5.76E-22
913.144	7.79E-22
913.626	8.89E-22
914.108	9.94E-22
914.59	9.47E-22
915.072	7.28E-22
915.554	5.78E-22
916.036	6.82E-22
916.518	8.30E-22
917	9.45E-22
917.483	1.14E-21
917.965	1.45E-21
918.447	1.64E-21
918.929	1.66E-21
919.411	1.69E-21
919.893	1.73E-21
920.375	1.58E-21
920.857	1.19E-21
921.34	8.14E-22
921.822	6.20E-22
922.304	4.42E-22
922.786	3.10E-22

923.268	2.37E-22
923.75	3.13E-22
924.232	4.65E-22
924.715	5.11E-22
925.197	6.00E-22
925.679	7.11E-22
926.161	6.50E-22
926.643	6.87E-22
927.125	8.94E-22
927.607	1.03E-21
928.089	1.03E-21
928.572	1.13E-21
929.054	1.33E-21
929.536	1.49E-21
930.018	1.36E-21
930.5	1.17E-21
930.982	1.09E-21
931.464	1.14E-21
931.946	1.02E-21
932.428	8.31E-22
932.911	7.22E-22
933.393	6.88E-22
933.875	7.51E-22
934.357	8.74E-22
934.839	1.05E-21
935.321	1.05E-21
935.803	9.49E-22
936.285	1.06E-21
936.768	1.14E-21
937.25	1.14E-21
937.732	1.28E-21
938.214	1.55E-21
938.696	1.85E-21
939.178	2.17E-21
939.66	2.36E-21
940.143	2.35E-21
940.625	2.15E-21
941.107	2.01E-21
941.589	1.88E-21
942.071	1.83E-21
942.553	1.84E-21
943.035	1.86E-21
943.517	1.99E-21
944	2.08E-21
944.482	2.06E-21
944.964	2.01E-21
945.446	2.17E-21
945.928	2.59E-21
946.41	2.98E-21
946.892	3.25E-21
947.374	3.46E-21
947.856	3.68E-21
948.339	3.80E-21
948.821	3.88E-21
949.303	3.78E-21
949.785	3.55E-21

950.267	3.05E-21
950.749	2.51E-21
951.231	1.97E-21
951.713	1.58E-21
952.196	1.42E-21
952.678	1.54E-21
953.16	1.79E-21
953.642	2.06E-21
954.124	2.26E-21
954.606	2.49E-21
955.088	2.67E-21
955.571	2.86E-21
956.053	2.88E-21
956.535	2.74E-21
957.017	2.92E-21
957.499	3.45E-21
957.981	2.65E-21
958.463	1.50E-21
958.945	1.10E-21
959.428	8.61E-22
959.91	8.76E-22
960.392	9.98E-22
960.874	1.14E-21
961.356	1.41E-21
961.838	1.87E-21
962.32	2.25E-21
962.802	2.44E-21
963.284	2.56E-21
963.767	2.60E-21
964.249	2.56E-21
964.731	2.43E-21
965.213	2.29E-21
965.695	1.93E-21
966.177	1.73E-21
966.659	2.36E-21
967.141	3.39E-21
967.624	3.20E-21
968.106	2.89E-21
968.588	3.06E-21
969.07	2.94E-21
969.552	3.08E-21
970.034	3.20E-21
970.516	3.28E-21
970.999	3.36E-21
971.481	3.52E-21
971.963	3.66E-21
972.445	3.79E-21
972.927	3.74E-21
973.409	3.51E-21
973.891	3.38E-21
974.373	3.41E-21
974.856	3.41E-21
975.338	3.33E-21
975.82	3.14E-21
976.302	3.09E-21
976.784	3.15E-21

977.266	3.27E-21
977.748	3.57E-21
978.23	3.81E-21
978.712	4.04E-21
979.195	4.45E-21
979.677	4.70E-21
980.159	4.68E-21
980.641	4.50E-21
981.123	4.31E-21
981.605	4.22E-21
982.087	4.18E-21
982.569	3.93E-21
983.052	3.72E-21
983.534	3.82E-21
984.016	4.11E-21
984.498	4.48E-21
984.98	5.02E-21
985.462	5.33E-21
985.944	5.45E-21
986.427	5.60E-21
986.909	5.75E-21
987.391	5.89E-21
987.873	5.94E-21
988.355	6.10E-21
988.837	6.52E-21
989.319	6.99E-21
989.801	7.34E-21
990.283	7.67E-21
990.766	8.08E-21
991.248	8.45E-21
991.73	8.70E-21
992.212	8.72E-21
992.694	8.73E-21
993.176	8.79E-21
993.658	8.92E-21
994.14	9.26E-21
994.623	9.77E-21
995.105	1.00E-20
995.587	1.01E-20
996.069	1.03E-20
996.551	1.05E-20
997.033	1.08E-20
997.515	1.10E-20
997.997	1.12E-20
998.48	1.17E-20
998.962	1.24E-20
999.444	1.30E-20
999.926	1.35E-20
1000.41	1.40E-20
1000.89	1.44E-20
1001.37	1.44E-20
1001.85	1.43E-20
1002.34	1.41E-20
1002.82	1.39E-20
1003.3	1.39E-20
1003.78	1.39E-20

1004.26	1.40E-20
1004.75	1.42E-20
1005.23	1.44E-20
1005.71	1.45E-20
1006.19	1.45E-20
1006.68	1.46E-20
1007.16	1.45E-20
1007.64	1.44E-20
1008.12	1.43E-20
1008.6	1.44E-20
1009.09	1.44E-20
1009.57	1.45E-20
1010.05	1.47E-20
1010.53	1.48E-20
1011.01	1.48E-20
1011.5	1.42E-20
1011.98	1.39E-20
1012.46	1.38E-20
1012.94	1.38E-20
1013.42	1.40E-20
1013.91	1.43E-20
1014.39	1.46E-20
1014.87	1.50E-20
1015.35	1.52E-20
1015.84	1.52E-20
1016.32	1.50E-20
1016.8	1.49E-20
1017.28	1.43E-20
1017.76	1.39E-20
1018.25	1.35E-20
1018.73	1.32E-20
1019.21	1.30E-20
1019.69	1.31E-20
1020.17	1.33E-20
1020.66	1.34E-20
1021.14	1.33E-20
1021.62	1.32E-20
1022.1	1.31E-20
1022.59	1.27E-20
1023.07	1.23E-20
1023.55	1.17E-20
1024.03	1.11E-20
1024.51	1.07E-20
1025	1.04E-20
1025.48	1.02E-20
1025.96	9.91E-21
1026.44	9.71E-21
1026.92	9.71E-21
1027.41	9.54E-21
1027.89	9.45E-21
1028.37	9.35E-21
1028.85	9.11E-21
1029.34	8.93E-21
1029.82	8.70E-21
1030.3	8.42E-21
1030.78	8.26E-21

1031.26	8.33E-21
1031.75	8.58E-21
1032.23	8.70E-21
1032.71	8.86E-21
1033.19	9.06E-21
1033.67	9.15E-21
1034.16	9.21E-21
1034.64	9.22E-21
1035.12	9.12E-21
1035.6	8.88E-21
1036.09	8.57E-21
1036.57	8.39E-21
1037.05	8.32E-21
1037.53	8.49E-21
1038.01	8.68E-21
1038.5	8.74E-21
1038.98	8.81E-21
1039.46	8.95E-21
1039.94	9.18E-21
1040.42	9.43E-21
1040.91	9.71E-21
1041.39	1.00E-20
1041.87	1.03E-20
1042.35	1.04E-20
1042.84	1.06E-20
1043.32	1.08E-20
1043.8	1.10E-20
1044.28	1.13E-20
1044.76	1.15E-20
1045.25	1.16E-20
1045.73	1.15E-20
1046.21	1.15E-20
1046.69	1.17E-20
1047.17	1.19E-20
1047.66	1.19E-20
1048.14	1.19E-20
1048.62	1.24E-20
1049.1	1.35E-20
1049.59	1.53E-20
1050.07	1.75E-20
1050.55	1.97E-20
1051.03	2.17E-20
1051.51	2.31E-20
1051.99	2.39E-20
1052.48	2.40E-20
1052.96	2.35E-20
1053.44	2.22E-20
1053.92	2.06E-20
1054.41	1.89E-20
1054.89	1.69E-20
1055.37	1.59E-20
1055.85	1.44E-20
1056.33	1.40E-20
1056.82	1.36E-20
1057.3	1.32E-20
1057.78	1.28E-20

1058.26	1.25E-20
1058.74	1.22E-20
1059.23	1.20E-20
1059.71	1.21E-20
1060.19	1.21E-20
1060.67	1.20E-20
1061.16	1.20E-20
1061.64	1.20E-20
1062.12	1.19E-20
1062.6	1.17E-20
1063.08	1.14E-20
1063.57	1.11E-20
1064.05	1.09E-20
1064.53	1.07E-20
1065.01	1.06E-20
1065.49	1.08E-20
1065.98	1.10E-20
1066.46	1.12E-20
1066.94	1.12E-20
1067.42	1.13E-20
1067.9	1.13E-20
1068.39	1.11E-20
1068.87	1.08E-20
1069.35	1.05E-20
1069.83	1.00E-20
1070.32	9.66E-21
1070.8	9.47E-21
1071.28	9.23E-21
1071.76	8.98E-21
1072.24	8.84E-21
1072.73	8.76E-21
1073.21	8.78E-21
1073.69	8.68E-21
1074.17	8.46E-21
1074.65	8.39E-21
1075.14	8.36E-21
1075.62	8.13E-21
1076.1	7.85E-21
1076.58	7.60E-21
1077.07	7.27E-21
1077.55	6.92E-21
1078.03	6.45E-21
1078.51	5.86E-21
1078.99	5.30E-21
1079.48	4.81E-21
1079.96	4.52E-21
1080.44	4.51E-21
1080.92	4.59E-21
1081.4	4.66E-21
1081.89	4.76E-21
1082.37	4.83E-21
1082.85	4.75E-21
1083.33	4.49E-21
1083.82	4.06E-21
1084.3	3.79E-21
1084.78	3.69E-21

1085.26	3.44E-21
1085.74	3.21E-21
1086.23	3.00E-21
1086.71	2.87E-21
1087.19	2.84E-21
1087.67	2.92E-21
1088.15	2.97E-21
1088.64	2.97E-21
1089.12	2.84E-21
1089.6	2.55E-21
1090.08	2.47E-21
1090.57	2.45E-21
1091.05	2.43E-21
1091.53	2.48E-21
1092.01	2.65E-21
1092.49	2.77E-21
1092.98	2.73E-21
1093.46	2.59E-21
1093.94	2.43E-21
1094.42	2.31E-21
1094.9	2.25E-21
1095.39	2.28E-21
1095.87	2.16E-21
1096.35	2.03E-21
1096.83	1.94E-21
1097.32	1.90E-21
1097.8	1.92E-21
1098.28	2.05E-21
1098.76	2.28E-21
1099.24	2.44E-21
1099.73	2.57E-21
1100.21	2.65E-21
1100.69	2.71E-21
1101.17	2.81E-21
1101.65	2.99E-21
1102.14	3.03E-21
1102.62	2.87E-21
1103.1	2.75E-21
1103.58	2.6E-21
1104.07	2.45E-21
1104.55	2.36E-21
1105.03	2.44E-21
1105.51	2.67E-21
1105.99	3.02E-21
1106.47	3.24E-21
1106.96	3.30E-21
1107.44	3.44E-21
1107.92	3.53E-21
1108.4	3.67E-21
1108.89	3.72E-21
1109.37	3.58E-21
1109.85	3.29E-21
1110.33	3.13E-21
1110.81	3.14E-21
1111.3	3.07E-21
1111.78	2.83E-21

1112.26	2.53E-21
1112.74	2.26E-21
1113.22	2.06E-21
1113.71	1.81E-21
1114.19	1.65E-21
1114.67	1.60E-21
1115.15	1.82E-21
1115.64	2.22E-21
1116.12	2.60E-21
1116.6	3.01E-21
1117.08	3.33E-21
1117.56	3.61E-21
1118.05	3.86E-21
1118.53	4.02E-21
1119.01	4.06E-21
1119.49	3.98E-21
1119.97	3.89E-21
1120.46	3.90E-21
1120.94	3.88E-21
1121.42	3.81E-21
1121.9	3.75E-21
1122.38	3.69E-21
1122.87	3.52E-21
1123.35	3.42E-21
1123.83	3.32E-21
1124.31	3.18E-21
1124.8	3.00E-21
1125.28	2.83E-21
1125.76	2.72E-21
1126.24	2.63E-21
1126.72	2.43E-21
1127.21	2.21E-21
1127.69	2.18E-21
1128.17	2.26E-21
1128.65	2.32E-21
1129.13	2.45E-21
1129.62	2.59E-21
1130.1	2.83E-21
1130.58	3.04E-21
1131.06	3.13E-21
1131.55	3.16E-21
1132.03	3.08E-21
1132.51	2.83E-21
1132.99	2.60E-21
1133.47	2.45E-21
1133.96	2.39E-21
1134.44	2.27E-21
1134.92	2.17E-21
1135.4	2.09E-21
1135.88	1.97E-21
1136.37	1.82E-21
1136.85	1.81E-21
1137.33	2.04E-21
1137.81	2.23E-21
1138.3	2.31E-21
1138.78	2.43E-21

1139.26	2.63E-21
1139.74	2.85E-21
1140.22	2.90E-21
1140.71	2.80E-21
1141.19	2.71E-21
1141.67	2.42E-21
1142.15	2.02E-21
1142.63	1.77E-21
1143.12	1.82E-21
1143.6	2.07E-21
1144.08	2.44E-21
1144.56	2.91E-21
1145.05	3.38E-21
1145.53	3.72E-21
1146.01	3.80E-21
1146.49	3.70E-21
1146.97	3.45E-21
1147.46	3.04E-21
1147.94	2.65E-21
1148.42	2.35E-21
1148.9	2.12E-21
1149.38	1.98E-21
1149.87	2.02E-21
1150.35	2.26E-21
1150.83	2.59E-21
1151.31	2.75E-21
1151.8	2.87E-21
1152.28	3.03E-21
1152.76	3.15E-21
1153.24	3.05E-21
1153.72	2.83E-21
1154.21	2.76E-21
1154.69	2.68E-21
1155.17	2.75E-21
1155.65	2.88E-21
1156.13	2.99E-21
1156.62	2.95E-21
1157.1	2.96E-21
1157.58	3.06E-21
1158.06	3.20E-21
1158.55	3.17E-21
1159.03	3.10E-21
1159.51	3.17E-21
1159.99	3.25E-21
1160.47	3.27E-21
1160.95	3.24E-21
1161.44	3.19E-21
1161.92	3.18E-21
1162.4	3.26E-21
1162.88	3.26E-21
1163.37	3.27E-21
1163.85	3.37E-21
1164.33	3.50E-21
1164.81	3.60E-21
1165.3	3.75E-21
1165.78	3.86E-21

1166.26	3.78E-21
1166.74	3.66E-21
1167.22	3.60E-21
1167.7	3.55E-21
1168.19	3.30E-21
1168.67	3.02E-21
1169.15	2.90E-21
1169.63	2.92E-21
1170.12	3.14E-21
1170.6	3.45E-21
1171.08	3.65E-21
1171.56	3.73E-21
1172.04	3.79E-21
1172.53	3.77E-21
1173.01	3.62E-21
1173.49	3.48E-21
1173.97	3.43E-21
1174.45	3.48E-21
1174.94	3.59E-21
1175.42	3.74E-21
1175.9	3.82E-21
1176.38	3.83E-21
1176.87	3.90E-21
1177.35	4.04E-21
1177.83	4.12E-21
1178.31	4.02E-21
1178.79	3.91E-21
1179.28	3.88E-21
1179.76	4.00E-21
1180.24	4.25E-21
1180.72	4.53E-21
1181.2	4.83E-21
1181.69	5.12E-21
1182.17	5.39E-21
1182.65	5.46E-21
1183.13	5.39E-21
1183.62	5.26E-21
1184.1	5.24E-21
1184.58	5.37E-21
1185.06	5.69E-21
1185.54	5.99E-21
1186.03	6.21E-21
1186.51	6.37E-21
1186.99	6.54E-21
1187.47	6.72E-21
1187.95	6.92E-21
1188.44	7.16E-21
1188.92	7.31E-21
1189.4	7.32E-21
1189.88	7.34E-21
1190.37	7.51E-21
1190.85	7.85E-21
1191.33	8.19E-21
1191.81	8.57E-21
1192.29	8.95E-21
1192.78	9.21E-21

1193.26	9.36E-21
1193.74	9.51E-21
1194.22	9.76E-21
1194.7	1.02E-20
1195.19	1.08E-20
1195.67	1.15E-20
1196.15	1.21E-20
1196.63	1.26E-20
1197.12	1.32E-20
1197.6	1.35E-20
1198.08	1.39E-20
1198.56	1.47E-20
1199.04	1.53E-20
1199.53	1.56E-20
1200.01	1.59E-20
1200.49	1.64E-20
1200.97	1.69E-20
1201.45	1.75E-20
1201.94	1.83E-20
1202.42	1.92E-20
1202.9	2.03E-20
1203.38	2.14E-20
1203.87	2.25E-20
1204.35	2.38E-20
1204.83	2.51E-20
1205.31	2.65E-20
1205.79	2.80E-20
1206.28	2.96E-20
1206.76	3.12E-20
1207.24	3.24E-20
1207.72	3.35E-20
1208.2	3.50E-20
1208.69	3.66E-20
1209.17	3.79E-20
1209.65	3.93E-20
1210.13	4.09E-20
1210.61	4.25E-20
1211.1	4.41E-20
1211.58	4.58E-20
1212.06	4.76E-20
1212.54	4.95E-20
1213.03	5.14E-20
1213.51	5.33E-20
1213.99	5.51E-20
1214.47	5.68E-20
1214.95	5.84E-20
1215.44	5.99E-20
1215.92	6.13E-20
1216.4	6.25E-20
1216.88	6.37E-20
1217.36	6.48E-20
1217.85	6.58E-20
1218.33	6.66E-20
1218.81	6.74E-20
1219.29	6.82E-20
1219.78	6.90E-20

1220.26	6.97E-20
1220.74	7.03E-20
1221.22	7.07E-20
1221.7	7.10E-20
1222.18	7.12E-20
1222.67	7.12E-20
1223.15	7.11E-20
1223.63	7.08E-20
1224.11	7.06E-20
1224.6	7.03E-20
1225.08	7.01E-20
1225.56	6.97E-20
1226.04	6.91E-20
1226.52	6.87E-20
1227.01	6.84E-20
1227.49	6.81E-20
1227.97	6.79E-20
1228.45	6.82E-20
1228.93	6.87E-20
1229.42	6.92E-20
1229.9	6.96E-20
1230.38	7.00E-20
1230.86	7.05E-20
1231.35	7.12E-20
1231.83	7.20E-20
1232.31	7.28E-20
1232.79	7.36E-20
1233.27	7.45E-20
1233.76	7.54E-20
1234.24	7.64E-20
1234.72	7.74E-20
1235.2	7.81E-20
1235.68	7.86E-20
1236.17	7.87E-20
1236.65	7.83E-20
1237.13	7.74E-20
1237.61	7.63E-20
1238.1	7.52E-20
1238.58	7.40E-20
1239.06	7.25E-20
1239.54	7.08E-20
1240.02	6.89E-20
1240.51	6.69E-20
1240.99	6.48E-20
1241.47	6.25E-20
1241.95	6.03E-20
1242.43	5.80E-20
1242.92	5.56E-20
1243.4	5.34E-20
1243.88	5.13E-20
1244.36	4.92E-20
1244.85	4.72E-20
1245.33	4.52E-20
1245.81	4.34E-20
1246.29	4.16E-20
1246.77	3.99E-20

1247.26	3.84E-20
1247.74	3.72E-20
1248.22	3.61E-20
1248.7	3.51E-20
1249.18	3.41E-20
1249.67	3.32E-20
1250.15	3.24E-20
1250.63	3.16E-20
1251.11	3.08E-20
1251.6	3.01E-20
1252.08	2.95E-20
1252.56	2.88E-20
1253.04	2.84E-20
1253.52	2.81E-20
1254.01	2.78E-20
1254.49	2.76E-20
1254.97	2.74E-20
1255.45	2.71E-20
1255.93	2.67E-20
1256.42	2.62E-20
1256.9	2.57E-20
1257.38	2.54E-20
1257.86	2.51E-20
1258.35	2.46E-20
1258.83	2.41E-20
1259.31	2.35E-20
1259.79	2.28E-20
1260.27	2.20E-20
1260.76	2.13E-20
1261.24	2.08E-20
1261.72	2.03E-20
1262.2	1.99E-20
1262.68	1.96E-20
1263.17	1.93E-20
1263.65	1.89E-20
1264.13	1.85E-20
1264.61	1.82E-20
1265.09	1.78E-20
1265.58	1.73E-20
1266.06	1.68E-20
1266.54	1.63E-20
1267.02	1.58E-20
1267.51	1.53E-20
1267.99	1.50E-20
1268.47	1.48E-20
1268.95	1.46E-20
1269.43	1.43E-20
1269.92	1.40E-20
1270.4	1.37E-20
1270.88	1.35E-20
1271.36	1.32E-20
1271.84	1.29E-20
1272.33	1.26E-20
1272.81	1.22E-20
1273.29	1.19E-20
1273.77	1.16E-20

1274.26	1.13E-20
1274.74	1.10E-20
1275.22	1.05E-20
1275.7	1.00E-20
1276.18	9.57E-21
1276.66	9.03E-21
1277.15	8.50E-21
1277.63	8.05E-21
1278.11	7.68E-21
1278.59	7.29E-21
1279.08	6.89E-21
1279.56	6.53E-21
1280.04	6.17E-21
1280.52	5.87E-21
1281	5.60E-21
1281.49	5.31E-21
1281.97	5.06E-21
1282.45	4.77E-21
1282.93	4.54E-21
1283.41	4.39E-21
1283.9	4.33E-21
1284.38	4.34E-21
1284.86	4.30E-21
1285.34	4.27E-21
1285.83	4.19E-21
1286.31	4.09E-21
1286.79	4.00E-21
1287.27	3.84E-21
1287.75	3.62E-21
1288.24	3.37E-21
1288.72	3.12E-21
1289.2	2.87E-21
1289.68	2.63E-21
1290.16	2.43E-21
1290.65	2.26E-21
1291.13	2.15E-21
1291.61	2.18E-21
1292.09	2.30E-21
1292.58	2.45E-21
1293.06	2.55E-21
1293.54	2.67E-21
1294.02	2.76E-21
1294.5	2.76E-21
1294.99	2.78E-21
1295.47	2.86E-21
1295.95	3.03E-21
1296.43	3.19E-21
1296.91	3.30E-21
1297.4	3.41E-21
1297.88	3.48E-21
1298.36	3.44E-21
1298.84	3.37E-21
1299.33	3.33E-21
1299.81	3.26E-21
1300.29	3.19E-21
1300.77	3.09E-21

1301.25	3.02E-21
1301.74	3.17E-21
1302.22	3.35E-21
1302.7	3.41E-21
1303.18	3.54E-21
1303.66	3.74E-21
1304.15	3.89E-21
1304.63	4.02E-21
1305.11	4.18E-21
1305.59	4.34E-21
1306.08	4.41E-21
1306.56	4.45E-21
1307.04	4.55E-21
1307.52	4.61E-21
1308	4.53E-21
1308.48	4.46E-21
1308.97	4.56E-21
1309.45	4.82E-21
1309.93	5.17E-21
1310.41	5.43E-21
1310.9	5.61E-21
1311.38	5.89E-21
1311.86	6.10E-21
1312.34	6.10E-21
1312.83	6.10E-21
1313.31	6.12E-21
1313.79	6.06E-21
1314.27	6.01E-21
1314.75	6.08E-21
1315.23	6.18E-21
1315.72	6.32E-21
1316.2	6.56E-21
1316.68	6.82E-21
1317.16	7.09E-21
1317.65	7.24E-21
1318.13	7.19E-21
1318.61	7.06E-21
1319.09	7.18E-21
1319.57	7.46E-21
1320.06	7.68E-21
1320.54	7.88E-21
1321.02	8.13E-21
1321.5	8.43E-21
1321.98	8.74E-21
1322.47	9.04E-21
1322.95	9.31E-21
1323.43	9.44E-21
1323.91	9.49E-21
1324.4	9.58E-21
1324.88	9.70E-21
1325.36	9.82E-21
1325.84	1.00E-20
1326.32	1.04E-20
1326.81	1.08E-20
1327.29	1.14E-20
1327.77	1.17E-20

1328.25	1.20E-20
1328.73	1.24E-20
1329.22	1.28E-20
1329.7	1.31E-20
1330.18	1.33E-20
1330.66	1.36E-20
1331.14	1.40E-20
1331.63	1.46E-20
1332.11	1.52E-20
1332.59	1.59E-20
1333.07	1.65E-20
1333.56	1.72E-20
1334.04	1.78E-20
1334.52	1.84E-20
1335	1.90E-20
1335.48	1.96E-20
1335.97	2.04E-20
1336.45	2.13E-20
1336.93	2.23E-20
1337.41	2.33E-20
1337.89	2.44E-20
1338.38	2.55E-20
1338.86	2.66E-20
1339.34	2.75E-20
1339.82	2.84E-20
1340.31	2.92E-20
1340.79	3.00E-20
1341.27	3.11E-20
1341.75	3.22E-20
1342.23	3.34E-20
1342.72	3.48E-20
1343.2	3.65E-20
1343.68	3.85E-20
1344.16	4.05E-20
1344.64	4.26E-20
1345.13	4.47E-20
1345.61	4.68E-20
1346.09	4.88E-20
1346.57	5.10E-20
1347.06	5.33E-20
1347.54	5.57E-20
1348.02	5.83E-20
1348.5	6.10E-20
1348.98	6.39E-20
1349.47	6.70E-20
1349.95	7.02E-20
1350.43	7.36E-20
1350.91	7.71E-20
1351.39	8.06E-20
1351.88	8.39E-20
1352.36	8.73E-20
1352.84	9.07E-20
1353.32	9.42E-20
1353.81	9.78E-20
1354.29	1.02E-19
1354.77	1.05E-19

1355.25	1.09E-19
1355.73	1.13E-19
1356.22	1.16E-19
1356.7	1.20E-19
1357.18	1.24E-19
1357.66	1.27E-19
1358.14	1.31E-19
1358.63	1.34E-19
1359.11	1.36E-19
1359.59	1.38E-19
1360.07	1.40E-19
1360.56	1.42E-19
1361.04	1.42E-19
1361.52	1.42E-19
1362	1.41E-19
1362.48	1.40E-19
1362.97	1.38E-19
1363.45	1.35E-19
1363.93	1.32E-19
1364.41	1.28E-19
1364.89	1.24E-19
1365.38	1.20E-19
1365.86	1.16E-19
1366.34	1.13E-19
1366.82	1.11E-19
1367.31	1.11E-19
1367.79	1.13E-19
1368.27	1.16E-19
1368.75	1.20E-19
1369.23	1.25E-19
1369.71	1.31E-19
1370.2	1.38E-19
1370.68	1.45E-19
1371.16	1.51E-19
1371.64	1.56E-19
1372.13	1.60E-19
1372.61	1.64E-19
1373.09	1.66E-19
1373.57	1.66E-19
1374.05	1.67E-19
1374.54	1.67E-19
1375.02	1.64E-19
1375.5	1.62E-19
1375.98	1.60E-19
1376.46	1.57E-19
1376.95	1.53E-19
1377.43	1.49E-19
1377.91	1.45E-19
1378.39	1.40E-19
1378.88	1.35E-19
1379.36	1.30E-19
1379.84	1.24E-19
1380.32	1.19E-19
1380.8	1.14E-19
1381.29	1.09E-19
1381.77	1.04E-19

1382.25	9.97E-20
1382.73	9.51E-20
1383.21	9.02E-20
1383.7	8.55E-20
1384.18	8.11E-20
1384.66	7.69E-20
1385.14	7.29E-20
1385.62	6.94E-20
1386.11	6.59E-20
1386.59	6.25E-20
1387.07	5.96E-20
1387.55	5.71E-20
1388.04	5.48E-20
1388.52	5.25E-20
1389	5.04E-20
1389.48	4.81E-20
1389.96	4.56E-20
1390.45	4.33E-20
1390.93	4.13E-20
1391.41	3.98E-20
1391.89	3.83E-20
1392.38	3.68E-20
1392.86	3.55E-20
1393.34	3.41E-20
1393.82	3.31E-20
1394.3	3.22E-20
1394.79	3.13E-20
1395.27	3.05E-20
1395.75	2.97E-20
1396.23	2.90E-20
1396.71	2.85E-20
1397.2	2.80E-20
1397.68	2.76E-20
1398.16	2.73E-20
1398.64	2.72E-20
1399.12	2.72E-20
1399.61	2.69E-20
1400.09	2.66E-20
1400.57	2.62E-20
1401.05	2.59E-20
1401.54	2.57E-20
1402.02	2.57E-20
1402.5	2.60E-20
1402.98	2.64E-20
1403.46	2.69E-20
1403.95	2.75E-20
1404.43	2.80E-20
1404.91	2.84E-20
1405.39	2.88E-20
1405.88	2.92E-20
1406.36	2.97E-20
1406.84	3.02E-20
1407.32	3.07E-20
1407.8	3.11E-20
1408.29	3.17E-20
1408.77	3.26E-20

1409.25	3.39E-20
1409.73	3.53E-20
1410.21	3.67E-20
1410.7	3.84E-20
1411.18	4.01E-20
1411.66	4.16E-20
1412.14	4.31E-20
1412.62	4.43E-20
1413.11	4.56E-20
1413.59	4.66E-20
1414.07	4.77E-20
1414.55	4.86E-20
1415.04	4.90E-20
1415.52	4.95E-20
1416	5.02E-20
1416.48	5.10E-20
1416.96	5.17E-20
1417.45	5.22E-20
1417.93	5.24E-20
1418.41	5.19E-20
1418.89	5.13E-20
1419.37	5.09E-20
1419.86	5.09E-20
1420.34	5.10E-20
1420.82	5.04E-20
1421.3	4.96E-20
1421.79	4.92E-20
1422.27	4.95E-20
1422.75	5.02E-20
1423.23	5.12E-20
1423.71	5.25E-20
1424.19	5.35E-20
1424.68	5.39E-20
1425.16	5.37E-20
1425.64	5.29E-20
1426.12	5.19E-20
1426.61	5.09E-20
1427.09	5.00E-20
1427.57	4.92E-20
1428.05	4.80E-20
1428.53	4.70E-20
1429.02	4.69E-20
1429.5	4.78E-20
1429.98	4.91E-20
1430.46	4.98E-20
1430.94	5.01E-20
1431.43	5.04E-20
1431.91	5.06E-20
1432.39	5.02E-20
1432.87	4.97E-20
1433.36	4.94E-20
1433.84	4.93E-20
1434.32	4.96E-20
1434.8	5.00E-20
1435.28	5.03E-20
1435.77	5.05E-20

1436.25	5.05E-20
1436.73	5.02E-20
1437.21	4.97E-20
1437.69	4.86E-20
1438.18	4.72E-20
1438.66	4.55E-20
1439.14	4.39E-20
1439.62	4.25E-20
1440.11	4.13E-20
1440.59	4.02E-20
1441.07	3.92E-20
1441.55	3.83E-20
1442.03	3.72E-20
1442.52	3.60E-20
1443	3.48E-20
1443.48	3.35E-20
1443.96	3.23E-20
1444.44	3.15E-20
1444.93	3.07E-20
1445.41	3.00E-20
1445.89	2.97E-20
1446.37	2.96E-20
1446.86	2.94E-20
1447.34	2.90E-20
1447.82	2.84E-20
1448.3	2.74E-20
1448.78	2.65E-20
1449.27	2.57E-20
1449.75	2.50E-20
1450.23	2.44E-20
1450.71	2.37E-20
1451.19	2.30E-20
1451.68	2.25E-20
1452.16	2.21E-20
1452.64	2.15E-20
1453.12	2.11E-20
1453.61	2.09E-20
1454.09	2.08E-20
1454.57	2.07E-20
1455.05	2.06E-20
1455.53	2.07E-20
1456.02	2.08E-20
1456.5	2.07E-20
1456.98	2.05E-20
1457.46	2.00E-20
1457.94	1.94E-20
1458.43	1.85E-20
1458.91	1.75E-20
1459.39	1.67E-20
1459.87	1.61E-20
1460.36	1.52E-20
1460.84	1.48E-20
1461.32	1.43E-20
1461.8	1.41E-20
1462.28	1.38E-20
1462.77	1.38E-20

1463.25	1.38E-20
1463.73	1.37E-20
1464.21	1.35E-20
1464.69	1.33E-20
1465.18	1.30E-20
1465.66	1.27E-20
1466.14	1.23E-20
1466.62	1.21E-20
1467.1	1.18E-20
1467.59	1.14E-20
1468.07	1.10E-20
1468.55	1.09E-20
1469.03	1.10E-20
1469.52	1.12E-20
1470	1.14E-20
1470.48	1.16E-20
1470.96	1.20E-20
1471.44	1.22E-20
1471.93	1.22E-20
1472.41	1.21E-20
1472.89	1.19E-20
1473.37	1.16E-20
1473.85	1.13E-20
1474.34	1.11E-20
1474.82	1.09E-20
1475.3	1.08E-20
1475.78	1.07E-20
1476.27	1.07E-20
1476.75	1.05E-20
1477.23	1.03E-20
1477.71	1.03E-20
1478.19	1.02E-20
1478.67	1.00E-20
1479.16	9.77E-21
1479.64	9.48E-21
1480.12	9.29E-21
1480.6	9.35E-21
1481.09	9.51E-21
1481.57	9.58E-21
1482.05	9.68E-21
1482.53	9.70E-21
1483.02	9.58E-21
1483.5	9.54E-21
1483.98	9.70E-21
1484.46	1.00E-20
1484.94	1.04E-20
1485.42	1.07E-20
1485.91	1.09E-20
1486.39	1.10E-20
1486.87	1.09E-20
1487.35	1.10E-20
1487.84	1.10E-20
1488.32	1.12E-20
1488.8	1.12E-20
1489.28	1.12E-20
1489.76	1.10E-20

1490.25	1.09E-20
1490.73	1.08E-20
1491.21	1.08E-20
1491.69	1.07E-20
1492.17	1.05E-20
1492.66	1.04E-20
1493.14	1.04E-20
1493.62	1.06E-20
1494.1	1.08E-20
1494.59	1.08E-20
1495.07	1.09E-20
1495.55	1.12E-20
1496.03	1.14E-20
1496.51	1.16E-20
1497	1.18E-20
1497.48	1.18E-20
1497.96	1.19E-20
1498.44	1.20E-20
1498.92	1.20E-20
1499.41	1.20E-20
1499.89	1.20E-20
1500.37	1.20E-20
1500.85	1.18E-20
1501.34	1.13E-20
1501.82	1.09E-20
1502.3	1.07E-20
1502.78	1.07E-20
1503.26	1.09E-20
1503.75	1.13E-20
1504.23	1.17E-20
1504.71	1.22E-20
1505.19	1.27E-20
1505.67	1.31E-20
1506.16	1.34E-20
1506.64	1.36E-20
1507.12	1.36E-20
1507.6	1.34E-20
1508.09	1.29E-20
1508.57	1.26E-20
1509.05	1.24E-20
1509.53	1.24E-20
1510.01	1.26E-20
1510.5	1.27E-20
1510.98	1.27E-20
1511.46	1.29E-20
1511.94	1.28E-20
1512.42	1.25E-20
1512.91	1.20E-20
1513.39	1.17E-20
1513.87	1.15E-20
1514.35	1.17E-20
1514.84	1.19E-20
1515.32	1.22E-20
1515.8	1.26E-20
1516.28	1.29E-20
1516.76	1.30E-20

1517.24	1.30E-20
1517.73	1.31E-20
1518.21	1.30E-20
1518.69	1.29E-20
1519.17	1.28E-20
1519.66	1.29E-20
1520.14	1.29E-20
1520.62	1.29E-20
1521.1	1.27E-20
1521.58	1.25E-20
1522.07	1.24E-20
1522.55	1.21E-20
1523.03	1.15E-20
1523.51	1.11E-20
1523.99	1.07E-20
1524.48	1.06E-20
1524.96	1.06E-20
1525.44	1.07E-20
1525.92	1.10E-20
1526.41	1.09E-20
1526.89	1.08E-20
1527.37	1.08E-20
1527.85	1.07E-20
1528.33	1.04E-20
1528.82	1.01E-20
1529.3	9.96E-21
1529.78	9.89E-21
1530.26	9.98E-21
1530.74	1.00E-20
1531.23	1.02E-20
1531.71	1.03E-20
1532.19	1.05E-20
1532.67	1.04E-20
1533.15	1.04E-20
1533.64	1.04E-20
1534.12	1.02E-20
1534.6	9.74E-21
1535.08	9.31E-21
1535.57	8.98E-21
1536.05	8.66E-21
1536.53	8.63E-21
1537.01	8.88E-21
1537.49	9.00E-21
1537.98	9.08E-21
1538.46	9.36E-21
1538.94	9.56E-21
1539.42	9.63E-21
1539.9	9.79E-21
1540.39	9.87E-21
1540.87	9.73E-21
1541.35	9.53E-21
1541.83	9.36E-21
1542.32	9.19E-21
1542.8	9.13E-21
1543.28	9.13E-21
1543.76	9.08E-21

1544.24	8.87E-21
1544.73	8.67E-21
1545.21	8.39E-21
1545.69	7.88E-21
1546.17	7.62E-21
1546.65	7.56E-21
1547.14	7.30E-21
1547.62	7.00E-21
1548.1	6.96E-21
1548.58	6.95E-21
1549.07	6.97E-21
1549.55	7.07E-21
1550.03	6.97E-21
1550.51	6.72E-21
1550.99	6.58E-21
1551.48	6.53E-21
1551.96	6.44E-21
1552.44	6.46E-21
1552.92	6.36E-21
1553.4	6.13E-21
1553.89	5.90E-21
1554.37	5.90E-21
1554.85	6.22E-21
1555.33	6.37E-21
1555.82	6.43E-21
1556.3	6.66E-21
1556.78	7.05E-21
1557.26	7.36E-21
1557.74	7.66E-21
1558.23	7.95E-21
1558.71	8.16E-21
1559.19	8.16E-21
1559.67	7.93E-21
1560.15	7.50E-21
1560.64	6.87E-21
1561.12	6.22E-21
1561.6	5.71E-21
1562.08	5.55E-21
1562.57	5.48E-21
1563.05	5.30E-21
1563.53	5.07E-21
1564.01	5.03E-21
1564.49	5.20E-21
1564.98	5.11E-21
1565.46	4.89E-21
1565.94	4.85E-21
1566.42	4.96E-21
1566.9	5.04E-21
1567.39	5.09E-21
1567.87	5.10E-21
1568.35	5.05E-21
1568.83	5.00E-21
1569.32	5.07E-21
1569.8	5.10E-21
1570.28	4.95E-21
1570.76	4.79E-21

1571.24	4.61E-21
1571.72	4.28E-21
1572.21	4.10E-21
1572.69	4.09E-21
1573.17	4.27E-21
1573.65	4.55E-21
1574.14	4.78E-21
1574.62	4.96E-21
1575.1	5.02E-21
1575.58	5.06E-21
1576.07	5.08E-21
1576.55	5.00E-21
1577.03	4.86E-21
1577.51	4.64E-21
1577.99	4.33E-21
1578.47	3.94E-21
1578.96	3.59E-21
1579.44	3.41E-21
1579.92	3.40E-21
1580.4	3.60E-21
1580.89	3.76E-21
1581.37	3.67E-21
1581.85	3.52E-21
1582.33	3.44E-21
1582.81	3.38E-21
1583.3	3.32E-21
1583.78	3.24E-21
1584.26	3.15E-21
1584.74	3.06E-21
1585.22	3.07E-21
1585.71	3.16E-21
1586.19	3.21E-21
1586.67	3.27E-21
1587.15	3.34E-21
1587.63	3.38E-21
1588.12	3.33E-21
1588.6	3.22E-21
1589.08	3.13E-21
1589.56	3.10E-21
1590.05	3.09E-21
1590.53	3.07E-21
1591.01	3.03E-21
1591.49	2.92E-21
1591.97	2.83E-21
1592.46	2.85E-21
1592.94	2.88E-21
1593.42	2.86E-21
1593.9	2.76E-21
1594.38	2.55E-21
1594.87	2.41E-21
1595.35	2.34E-21
1595.83	2.26E-21
1596.31	2.17E-21
1596.8	2.08E-21
1597.28	2.06E-21
1597.76	2.10E-21

1598.24	2.18E-21
1598.72	2.28E-21
1599.21	2.35E-21
1599.69	2.37E-21
1600.17	2.46E-21
1600.65	2.50E-21
1601.13	2.40E-21
1601.62	2.29E-21
1602.1	2.25E-21
1602.58	2.25E-21
1603.06	2.28E-21
1603.55	2.40E-21
1604.03	2.52E-21
1604.51	2.70E-21
1604.99	2.89E-21
1605.47	3.08E-21
1605.96	3.26E-21
1606.44	3.40E-21
1606.92	3.53E-21
1607.4	3.64E-21
1607.88	3.71E-21
1608.37	3.67E-21
1608.85	3.49E-21
1609.33	3.36E-21
1609.81	3.36E-21
1610.3	3.34E-21
1610.78	3.26E-21
1611.26	3.22E-21
1611.74	3.27E-21
1612.22	3.14E-21
1612.71	3.00E-21
1613.19	3.08E-21
1613.67	3.33E-21
1614.15	3.68E-21
1614.63	4.06E-21
1615.12	4.39E-21
1615.6	4.62E-21
1616.08	4.77E-21
1616.56	4.82E-21
1617.05	4.70E-21
1617.53	4.51E-21
1618.01	4.25E-21
1618.49	3.93E-21
1618.97	3.56E-21
1619.46	3.30E-21
1619.94	3.30E-21
1620.42	3.46E-21
1620.9	3.94E-21
1621.38	4.61E-21
1621.87	5.10E-21
1622.35	5.51E-21
1622.83	5.96E-21
1623.31	6.19E-21
1623.8	6.27E-21
1624.28	6.31E-21
1624.76	6.20E-21

1625.24	6.00E-21
1625.72	5.85E-21
1626.2	5.71E-21
1626.69	5.59E-21
1627.17	5.59E-21
1627.65	5.72E-21
1628.13	5.90E-21
1628.62	5.90E-21
1629.1	5.84E-21
1629.58	5.92E-21
1630.06	5.94E-21
1630.55	5.78E-21
1631.03	5.51E-21
1631.51	5.38E-21
1631.99	5.62E-21
1632.47	6.04E-21
1632.95	6.27E-21
1633.44	6.48E-21
1633.92	6.82E-21
1634.4	7.15E-21
1634.88	7.31E-21
1635.37	7.44E-21
1635.85	7.39E-21
1636.33	7.15E-21
1636.81	6.83E-21
1637.29	6.41E-21
1637.78	5.90E-21
1638.26	5.38E-21
1638.74	4.93E-21
1639.22	4.71E-21
1639.7	4.66E-21
1640.19	4.54E-21
1640.67	4.41E-21
1641.15	4.38E-21
1641.63	4.42E-21
1642.12	4.56E-21
1642.6	4.76E-21
1643.08	4.93E-21
1643.56	5.14E-21
1644.04	5.25E-21
1644.53	5.40E-21
1645.01	5.58E-21
1645.49	5.73E-21
1645.97	5.81E-21
1646.45	5.80E-21
1646.94	5.71E-21
1647.42	5.59E-21
1647.9	5.29E-21
1648.38	4.89E-21
1648.87	4.36E-21
1649.35	4.13E-21
1649.83	4.19E-21
1650.31	4.46E-21
1650.79	4.98E-21
1651.28	5.46E-21
1651.76	6.05E-21

1652.24	6.67E-21
1652.72	7.13E-21
1653.2	7.30E-21
1653.69	7.17E-21
1654.17	6.93E-21
1654.65	6.61E-21
1655.13	6.27E-21
1655.62	5.90E-21
1656.1	5.49E-21
1656.58	5.25E-21
1657.06	5.25E-21
1657.54	5.41E-21
1658.03	5.57E-21
1658.51	5.45E-21
1658.99	5.49E-21
1659.47	5.67E-21
1659.95	5.83E-21
1660.44	6.11E-21
1660.92	6.41E-21
1661.4	6.69E-21
1661.88	6.98E-21
1662.37	7.26E-21
1662.85	7.46E-21
1663.33	7.61E-21
1663.81	7.62E-21
1664.29	7.74E-21
1664.78	7.78E-21
1665.26	7.75E-21
1665.74	7.94E-21
1666.22	8.36E-21
1666.7	8.86E-21
1667.19	9.40E-21
1667.67	9.94E-21
1668.15	1.04E-20
1668.63	1.10E-20
1669.12	1.16E-20
1669.6	1.22E-20
1670.08	1.29E-20
1670.56	1.32E-20
1671.04	1.33E-20
1671.53	1.34E-20
1672.01	1.38E-20
1672.49	1.45E-20
1672.97	1.54E-20
1673.45	1.66E-20
1673.94	1.78E-20
1674.42	1.87E-20
1674.9	1.95E-20
1675.38	2.04E-20
1675.86	2.13E-20
1676.35	2.21E-20
1676.83	2.27E-20
1677.31	2.34E-20
1677.79	2.43E-20
1678.28	2.53E-20
1678.76	2.64E-20

1679.24	2.77E-20
1679.72	2.93E-20
1680.2	3.10E-20
1680.69	3.25E-20
1681.17	3.43E-20
1681.65	3.60E-20
1682.13	3.74E-20
1682.61	3.89E-20
1683.1	4.04E-20
1683.58	4.17E-20
1684.06	4.30E-20
1684.54	4.43E-20
1685.03	4.55E-20
1685.51	4.66E-20
1685.99	4.77E-20
1686.47	4.86E-20
1686.95	4.99E-20
1687.43	5.13E-20
1687.92	5.27E-20
1688.4	5.40E-20
1688.88	5.51E-20
1689.36	5.60E-20
1689.85	5.70E-20
1690.33	5.80E-20
1690.81	5.92E-20
1691.29	6.02E-20
1691.77	6.11E-20
1692.26	6.22E-20
1692.74	6.36E-20
1693.22	6.51E-20
1693.7	6.67E-20
1694.18	6.86E-20
1694.67	7.06E-20
1695.15	7.25E-20
1695.63	7.40E-20
1696.11	7.53E-20
1696.6	7.67E-20
1697.08	7.85E-20
1697.56	8.08E-20
1698.04	8.34E-20
1698.52	8.60E-20
1699.01	8.83E-20
1699.49	9.08E-20
1699.97	9.37E-20
1700.45	9.72E-20
1700.93	1.01E-19
1701.42	1.05E-19
1701.9	1.09E-19
1702.38	1.13E-19
1702.86	1.18E-19
1703.35	1.23E-19
1703.83	1.28E-19
1704.31	1.30E-19
1704.79	1.40E-19
1705.27	1.46E-19
1705.76	1.52E-19

1706.24	1.58E-19
1706.72	1.65E-19
1707.2	1.72E-19
1707.68	1.80E-19
1708.17	1.89E-19
1708.65	1.99E-19
1709.13	2.08E-19
1709.61	2.18E-19
1710.1	2.29E-19
1710.58	2.40E-19
1711.06	2.52E-19
1711.54	2.64E-19
1712.02	2.78E-19
1712.51	2.91E-19
1712.99	3.06E-19
1713.47	3.20E-19
1713.95	3.36E-19
1714.43	3.52E-19
1714.92	3.69E-19
1715.4	3.86E-19
1715.88	4.03E-19
1716.36	4.21E-19
1716.85	4.38E-19
1717.33	4.56E-19
1717.81	4.73E-19
1718.29	4.90E-19
1718.77	5.07E-19
1719.26	5.22E-19
1719.74	5.37E-19
1720.22	5.51E-19
1720.7	5.64E-19
1721.18	5.76E-19
1721.67	5.88E-19
1722.15	5.98E-19
1722.63	6.06E-19
1723.11	6.13E-19
1723.6	6.18E-19
1724.08	6.21E-19
1724.56	6.24E-19
1725.04	6.26E-19
1725.52	6.27E-19
1726.01	6.27E-19
1726.49	6.26E-19
1726.97	6.24E-19
1727.45	6.23E-19
1727.93	6.24E-19
1728.42	6.24E-19
1728.9	6.21E-19
1729.38	6.21E-19
1729.86	6.23E-19
1730.34	6.27E-19
1730.83	6.32E-19
1731.31	6.37E-19
1731.79	6.42E-19
1732.27	6.48E-19
1732.76	6.47E-19

1733.24	6.49E-19
1733.72	6.52E-19
1734.2	6.58E-19
1734.68	6.66E-19
1735.17	6.76E-19
1735.65	6.86E-19
1736.13	6.96E-19
1736.61	7.05E-19
1737.09	7.13E-19
1737.58	7.21E-19
1738.06	7.23E-19
1738.54	7.18E-19
1739.02	7.12E-19
1739.51	7.04E-19
1739.99	6.96E-19
1740.47	6.87E-19
1740.95	6.79E-19
1741.43	6.69E-19
1741.91	6.58E-19
1742.4	6.45E-19
1742.88	6.3E-19
1743.36	6.12E-19
1743.84	5.94E-19
1744.33	5.74E-19
1744.81	5.53E-19
1745.29	5.31E-19
1745.77	5.09E-19
1746.25	4.88E-19
1746.74	4.66E-19
1747.22	4.44E-19
1747.7	4.22E-19
1748.18	4.01E-19
1748.66	3.8E-19
1749.15	3.6E-19
1749.63	3.41E-19
1750.11	3.22E-19
1750.59	3.04E-19
1751.08	2.88E-19
1751.56	2.72E-19
1752.04	2.57E-19
1752.52	2.42E-19
1753	2.29E-19
1753.49	2.17E-19
1753.97	2.06E-19
1754.45	1.95E-19
1754.93	1.85E-19
1755.41	1.76E-19
1755.9	1.68E-19
1756.38	1.6E-19
1756.86	1.52E-19
1757.34	1.45E-19
1757.83	1.38E-19
1758.31	1.31E-19
1758.79	1.25E-19
1759.27	1.19E-19
1759.75	1.14E-19

1760.24	1.08E-19
1760.72	1.04E-19
1761.2	9.9E-20
1761.68	9.48E-20
1762.16	9.07E-20
1762.65	8.71E-20
1763.13	8.37E-20
1763.61	8.03E-20
1764.09	7.7E-20
1764.58	7.4E-20
1765.06	7.12E-20
1765.54	6.86E-20
1766.02	6.63E-20
1766.5	6.41E-20
1766.99	6.18E-20
1767.47	5.97E-20
1767.95	5.77E-20
1768.43	5.56E-20
1768.91	5.36E-20
1769.4	5.18E-20
1769.88	5.02E-20
1770.36	4.89E-20
1770.84	4.78E-20
1771.33	4.67E-20
1771.81	4.57E-20
1772.29	4.48E-20
1772.77	4.39E-20
1773.25	4.30E-20
1773.73	4.20E-20
1774.22	4.11E-20
1774.7	4.00E-20
1775.18	3.90E-20
1775.66	3.82E-20
1776.15	3.73E-20
1776.63	3.63E-20
1777.11	3.56E-20
1777.59	3.50E-20
1778.08	3.42E-20
1778.56	3.35E-20
1779.04	3.28E-20
1779.52	3.22E-20
1780.00	3.17E-20
1780.48	3.10E-20
1780.97	3.04E-20
1781.45	2.98E-20
1781.93	2.92E-20
1782.41	2.86E-20
1782.9	2.80E-20
1783.38	2.74E-20
1783.86	2.68E-20
1784.34	2.61E-20
1784.82	2.55E-20
1785.31	2.50E-20
1785.79	2.44E-20
1786.27	2.36E-20
1786.75	2.28E-20

1787.23	2.21E-20
1787.72	2.17E-20
1788.2	2.11E-20
1788.68	2.06E-20
1789.16	2.04E-20
1789.65	2.03E-20
1790.13	2.00E-20
1790.61	1.97E-20
1791.09	1.94E-20
1791.57	1.90E-20
1792.06	1.86E-20
1792.54	1.82E-20
1793.02	1.77E-20
1793.5	1.73E-20
1793.98	1.68E-20
1794.47	1.64E-20
1794.95	1.60E-20
1795.43	1.55E-20
1795.91	1.50E-20
1796.39	1.46E-20
1796.88	1.43E-20
1797.36	1.42E-20
1797.84	1.39E-20
1798.32	1.35E-20
1798.81	1.34E-20
1799.29	1.34E-20
1799.77	1.34E-20
1800.25	1.33E-20
1800.73	1.30E-20
1801.22	1.27E-20
1801.7	1.25E-20
1802.18	1.22E-20
1802.66	1.19E-20
1803.14	1.16E-20
1803.63	1.12E-20
1804.11	1.09E-20
1804.59	1.06E-20
1805.07	1.02E-20
1805.56	9.98E-21
1806.04	9.71E-21
1806.52	9.43E-21
1807	9.28E-21
1807.48	9.17E-21
1807.97	9.11E-21
1808.45	9.15E-21
1808.93	9.27E-21
1809.41	9.38E-21
1809.89	9.36E-21
1810.38	9.27E-21
1810.86	9.20E-21
1811.34	9.24E-21
1811.82	9.29E-21
1812.31	9.32E-21
1812.79	9.22E-21
1813.27	9.04E-21
1813.75	8.86E-21

1814.23	8.68E-21
1814.72	8.50E-21
1815.2	8.38E-21
1815.68	8.18E-21
1816.16	7.98E-21
1816.64	7.86E-21
1817.13	7.84E-21
1817.61	7.94E-21
1818.09	8.14E-21
1818.57	8.32E-21
1819.06	8.39E-21
1819.54	8.37E-21
1820.02	8.33E-21
1820.5	8.15E-21
1820.98	7.82E-21
1821.47	7.56E-21
1821.95	7.48E-21
1822.43	7.56E-21
1822.91	7.75E-21
1823.39	8.03E-21
1823.88	8.34E-21
1824.36	8.60E-21
1824.84	8.84E-21
1825.32	8.95E-21
1825.81	8.86E-21
1826.29	8.75E-21
1826.77	8.71E-21
1827.25	8.74E-21
1827.73	8.84E-21
1828.22	8.93E-21
1828.7	9.00E-21
1829.18	9.13E-21
1829.66	9.38E-21
1830.14	9.47E-21
1830.63	9.28E-21
1831.11	9.01E-21
1831.59	8.75E-21
1832.07	8.56E-21
1832.56	8.37E-21
1833.04	8.17E-21
1833.52	8.10E-21
1834	8.18E-21
1834.48	8.33E-21
1834.96	8.43E-21
1835.45	8.37E-21
1835.93	8.30E-21
1836.41	8.24E-21
1836.89	8.18E-21
1837.38	8.13E-21
1837.86	8.05E-21
1838.34	8.00E-21
1838.82	8.00E-21
1839.3	8.02E-21
1839.79	7.82E-21
1840.27	7.61E-21
1840.75	7.55E-21

1841.23	7.65E-21
1841.71	7.91E -21
1842.2	8.14E -21
1842.68	8.29E-21
1843.16	8.4E-21
1843.64	8.39E-21
1844.13	8.24E-21
1844.61	8.05E-21
1845.09	7.78E-21
1845.57	7.38E-21
1846.05	6.93E-21
1846.54	6.51E-21
1847.02	6.18E-21
1847.5	5.99E-21
1847.98	5.86E-21
1848.46	5.92E-21
1848.95	6.01E-21
1849.43	5.88E-21
1849.91	5.72E-21
1850.39	5.55E-21
1850.88	5.34E-21
1851.36	5.12E-21
1851.84	4.86E-21
1852.32	4.66E-21
1852.8	4.52E-21
1853.29	4.36E-21
1853.77	4.23E-21
1854.25	4.17E-21
1854.73	4.21E-21
1855.21	4.19E-21
1855.7	4.11E-21
1856.18	4.06E-21
1856.66	4.1E-21
1857.14	4.16E-21
1857.62	4.08E-21
1858.11	3.88E-21
1858.59	3.57E-21
1859.07	3.25E-21
1859.55	2.99E-21
1860.04	2.73E-21
1860.52	2.52E-21
1861	2.36E-21
1861.48	2.23E-21
1861.96	2.19E-21
1862.45	2.23E-21
1862.93	2.27E-21
1863.41	2.2E-21
1863.89	2.19E-21
1864.38	2.27E-21
1864.86	2.16E-21
1865.34	1.94E-21
1865.82	1.8E-21
1866.3	1.83E-21
1866.79	1.99E-21
1867.27	2.15E-21
1867.75	2.24E-21

1868.23	2.24E-21
1868.71	2.24E-21
1869.2	2.18E-21
1869.68	2.01E-21
1870.16	1.82E-21
1870.64	1.58E-21
1871.12	1.27E-21
1871.61	9.73E-22
1872.09	7.6E-22
1872.57	5.91E-22
1873.05	4.22E-22
1873.54	4.3E-22
1874.02	5.29E-22
1874.5	4.95E-22
1874.98	3.81E-22
1875.46	2.73E-22
1875.95	1.94E-22
1876.43	1.79E-22
1876.91	2.33E-22
1877.39	2.87E-22
1877.87	2.89E-22
1878.36	3.12E-22
1878.84	2.97E-22
1879.32	2.00E-22
1879.8	2.00E-22
1880.29	2.00E-22
1880.77	2.00E-22
1881.25	2.00E-22
1881.73	0
1882.21	0
1882.7	0
1883.18	0
1883.66	0
1884.14	0
1884.62	0
1885.11	0
1885.59	0
1886.07	0
1886.55	2.00E-22
1887.04	2.64E-22
1887.52	3.86E-22
1888	4.48E-22
1888.48	4.16E-22
1888.96	2.73E-22
1889.44	2.00E-22
1889.93	0
1890.41	0
1890.89	0
1891.37	0
1891.86	0
1892.34	0
1892.82	0
1893.3	2.00E-22
1893.78	2.39E-22
1894.27	3.71E-22
1894.75	3.59E-22

1895.23	2.94E-22
1895.71	2.15E-22
1896.19	2.00E-22
1896.68	2.00E-22
1897.16	0
1897.64	0
1898.12	0
1898.61	0
1899.09	0
1899.57	0
1900.05	0
1900.53	0
1901.02	0
1901.5	0
1901.98	0
1902.46	0
1902.94	0
1903.43	0
1903.91	0
1904.39	0
1904.87	0
1905.36	0
1905.84	0
1906.32	0
1906.8	0
1907.28	0
1907.77	2.00E-22
1908.25	2.00E-22
1908.73	2.00E-22
1909.21	2.00E-22
1909.69	2.00E-22
1910.18	2.00E-22
1910.66	0
1911.14	0
1911.62	2.00E-22
1912.11	2.00E-22
1912.59	2.65E-22
1913.07	3.9E-22
1913.55	3.25E-22
1914.03	2.01E-22
1914.52	2.00E-22
1915	2.00E-22
1915.48	2.00E-22
1915.96	2.00E-22
1916.44	2.00E-22
1916.93	2.00E-22
1917.41	2.00E-22
1917.89	2.00E-22
1918.37	2.00E-22
1918.86	2.00E-22
1919.34	2.00E-22
1919.82	2.00E-22
1920.3	2.00E-22
1920.78	2.88E-22
1921.27	3.47E-22
1921.75	3.34E-22

1922.23	3.56E-22
1922.71	3.57E-22
1923.19	2.00E-22
1923.68	0
1924.16	0
1924.64	0
1925.12	0
1925.61	0
1926.09	0
1926.57	0
1927.05	2.00E-22
1927.53	2.19E-22
1928.02	3.44E-22
1928.5	3.06E-22
1928.98	2.00E-22
1929.46	0
1929.94	0
1930.43	0
1930.91	1.45E-23
1931.39	5.16E-23
1931.87	1.14E-22
1932.35	2.16E-22
1932.84	2.17E-22
1933.32	1.79E-22
1933.8	1.73E-22
1934.28	1.43E-22
1934.77	3.59E-23
1935.25	0
1935.73	0
1936.21	0
1936.69	2.00E-22
1937.18	2.00E-22
1937.66	2.53E-22
1938.14	2.11E-22
1938.62	2.00E-22
1939.1	2.00E-22
1939.59	2.00E-22
1940.07	2.61E-22
1940.55	4.41E-22
1941.03	6E-22
1941.52	7.41E-22
1942	7.75E-22
1942.48	7.18E-22
1942.96	6.96E-22
1943.44	6.76E-22
1943.92	5.78E-22
1944.41	4.3E-22
1944.89	2.47E-22
1945.37	2.00E-22
1945.85	0
1946.34	0
1946.82	2.00E-22
1947.3	2.00E-22
1947.78	2.00E-22
1948.27	2.00E-22
1948.75	2.00E-22

1949.23	2.00E-22
1949.71	2.53E-22
1950.19	3.28E-22
1950.67	3.85E-22
1951.16	4.73E-22
1951.64	5.46E-22
1952.12	5.89E-22
1952.6	6.25E-22
1953.09	5.87E-22
1953.57	5.11E-22
1954.05	4.66E-22
1954.53	3.88E-22
1955.01	2.48E-22
1955.5	1.82E-22
1955.98	1.97E-22
1956.46	2.32E-22
1956.94	1.74E-22
1957.42	2.00E-22
1957.91	2.00E-22
1958.39	2.2E-22
1958.87	3.51E-22
1959.35	4.51E-22
1959.84	5.46E-22
1960.32	5.88E-22
1960.8	6.4E-22
1961.28	6.98E-22
1961.76	7.27E-22
1962.25	7.32E-22
1962.73	7.31E-22
1963.21	7.44E-22
1963.69	7.92E-22
1964.17	8.61E-22
1964.66	9.33E-22
1965.14	1.03E-21
1965.62	1.13E-21
1966.1	1.21E-21
1966.59	1.28E-21
1967.07	1.28E-21
1967.55	1.27E-21
1968.03	1.3E-21
1968.51	1.3E-21
1969	1.23E-21
1969.48	1.17E-21
1969.96	1.09E-21
1970.44	1.04E-21
1970.92	1.02E-21
1971.41	1.12E-21
1971.89	1.25E-21
1972.37	1.39E-21
1972.85	1.48E-21
1973.34	1.54E-21
1973.82	1.61E-21
1974.3	1.66E-21
1974.78	1.67E-21
1975.26	1.7E-21
1975.75	1.74E-21

1976.23	1.8E-21
1976.71	1.83E-21
1977.19	1.9E-21
1977.67	2.01E-21
1978.16	2.16E-21
1978.64	2.33E-21
1979.12	2.48E-21
1979.6	2.54E-21
1980.09	2.54E-21
1980.57	2.54E-21
1981.05	2.61E-21
1981.53	2.71E-21
1982.01	2.85E-21
1982.49	3E-21
1982.98	3.1E-21
1983.46	3.18E-21
1983.94	3.27E-21
1984.42	3.34E-21
1984.91	3.42E-21
1985.39	3.54E-21
1985.87	3.62E-21
1986.35	3.68E-21
1986.83	3.73E-21
1987.32	3.73E-21
1987.8	3.73E-21
1988.28	3.71E-21
1988.76	3.67E-21
1989.24	3.67E-21
1989.73	3.69E-21
1990.21	3.69E-21
1990.69	3.71E-21
1991.17	3.79E-21
1991.66	3.95E-21
1992.14	4.16E-21
1992.62	4.31E-21
1993.1	4.35E-21
1993.58	4.27E-21
1994.07	4.07E-21
1994.55	3.85E-21
1995.03	3.65E-21
1995.51	3.54E-21
1995.99	3.5E-21
1996.48	3.53E-21
1996.96	3.59E-21
1997.44	3.77E-21
1997.92	3.94E-21
1998.4	4.03E-21
1998.89	4.05E-21
1999.37	4.02E-21
1999.85	3.95E-21
2000.33	3.8E-21
2000.82	3.63E-21
2001.3	3.51E-21
2001.78	3.46E-21
2002.26	3.49E-21
2002.74	3.53E-21

2003.23	3.53E-21
2003.71	3.44E-21
2004.19	3.26E-21
2004.67	3.04E-21
2005.15	2.87E-21
2005.64	2.78E-21
2006.12	2.73E-21
2006.6	2.7E-21
2007.08	2.77E-21
2007.57	2.85E-21
2008.05	2.84E-21
2008.53	2.79E-21
2009.01	2.72E-21
2009.49	2.57E-21
2009.98	2.39E-21
2010.46	2.17E-21
2010.94	1.95E-21
2011.42	1.75E-21
2011.9	1.6E-21
2012.39	1.54E-21
2012.87	1.55E-21
2013.35	1.58E-21
2013.83	1.63E-21
2014.32	1.62E-21
2014.8	1.57E-21
2015.28	1.56E-21
2015.76	1.57E-21
2016.24	1.52E-21
2016.73	1.46E-21
2017.21	1.31E-21
2017.69	1.09E-21
2018.17	9.07E-22
2018.65	7.52E-22
2019.14	6.21E-22
2019.62	5.71E-22
2020.1	5.69E-22
2020.58	6.32E-22
2021.07	7.15E-22
2021.55	7.78E-22
2022.03	8.19E-22
2022.51	7.98E-22
2022.99	7.57E-22
2023.48	6.84E-22
2023.96	5.25E-22
2024.44	3.9E-22
2024.92	2.84E-22
2025.4	2.00E-22
2025.89	2.00E-22
2026.37	2.00E-22
2026.85	2.00E-22
2027.33	2.00E-22
2027.82	2.22E-22
2028.3	2.61E-22
2028.78	2.96E-22
2029.26	3.05E-22
2029.74	2.42E-22

2030.23	2.01E-22
2030.71	2.00E-22
2031.19	2.00E-22
2031.67	2.00E-22
2032.15	2.00E-22
2032.64	0
2033.12	0
2033.6	0
2034.08	0
2034.57	0
2035.05	0
2035.53	0
2036.01	0
2036.49	0
2036.97	0
2037.46	0
2037.94	0
2038.42	0
2038.9	2.00E-22
2039.39	2.00E-22
2039.87	2.64E-22
2040.35	3.11E-22
2040.83	3.64E-22
2041.32	3.98E-22
2041.8	2.96E-22
2042.28	2.00E-22
2042.76	0
2043.24	0
2043.72	0
2044.21	0
2044.69	0
2045.17	0
2045.65	0
2046.14	0
2046.62	0
2047.1	2.00E-22
2047.58	2.00E-22
2048.06	2.00E-22
2048.55	2.00E-22
2049.03	2.00E-22
2049.51	0
2049.99	0
2050.47	0
2050.96	0
2051.44	0
2051.92	0
2052.4	0
2052.89	0
2053.37	0
2053.85	0
2054.33	0
2054.81	0
2055.3	0
2055.78	0
2056.26	0
2056.74	0

2057.22	0
2057.71	0
2058.19	0
2058.67	0
2059.15	0
2059.64	0
2060.12	0
2060.6	0
2061.08	0
2061.56	0
2062.05	0
2062.53	0
2063.01	0
2063.49	0
2063.97	0
2064.46	0
2064.94	0
2065.42	0
2065.9	0
2066.39	0
2066.87	0
2067.35	0
2067.83	0
2068.31	0
2068.8	0
2069.28	0
2069.76	0
2070.24	0
2070.72	0
2071.21	0
2071.69	0
2072.17	0
2072.65	0
2073.14	0
2073.62	0
2074.1	0
2074.58	0
2075.06	0
2075.55	0
2076.03	0
2076.51	0
2076.99	0
2077.47	0
2077.96	0
2078.44	0
2078.92	0
2079.4	0
2079.89	0
2080.37	0
2080.85	0
2081.33	0
2081.81	0
2082.3	0
2082.78	0
2083.26	0
2083.74	0

2084.22	0
2084.71	0
2085.19	0
2085.67	0
2086.15	0
2086.63	0
2087.12	0
2087.6	0
2088.08	0
2088.56	1.21E-22
2089.05	1.44E-22
2089.53	1.81E-22
2090.01	2.18E-22
2090.49	1.64E-22
2090.97	2.13E-22
2091.46	2.35E-22
2091.94	2.00E-22
2092.42	2.00E-22
2092.9	0
2093.38	0
2093.87	0
2094.35	0
2094.83	2.00E-22
2095.31	0
2095.8	0
2096.28	0
2096.76	0
2097.24	0
2097.72	2.00E-22
2098.2	2.27E-22
2098.69	2.95E-22
2099.17	3.99E-22
2099.65	5.73E-22
2100.13	6.17E-22
2100.62	7.19E-22
2101.1	8.65E-22
2101.58	8.76E-22
2102.06	8.29E-22
2102.54	7.88E-22
2103.03	6.71E-22
2103.51	6.19E-22
2103.99	6.04E-22
2104.47	5.56E-22
2104.95	5.39E-22
2105.44	5.35E-22
2105.92	5.09E-22
2106.4	5.53E-22
2106.88	5.65E-22
2107.36	4.99E-22
2107.85	4.36E-22
2108.33	3.52E-22
2108.81	3.76E-22
2109.29	5.25E-22
2109.78	6.52E-22
2110.26	8.33E-22
2110.74	1.02E-21

2111.22	1.07E-21
2111.7	1.19E-21
2112.19	1.34E-21
2112.67	1.37E-21
2113.15	1.41E-21
2113.63	1.41E-21
2114.11	1.4E-21
2114.6	1.41E-21
2115.08	1.31E-21
2115.56	1.22E-21
2116.04	1.34E-21
2116.53	1.49E-21
2117.01	1.54E-21
2117.49	1.59E-21
2117.97	1.63E-21
2118.45	1.7E-21
2118.94	1.76E-21
2119.42	1.74E-21
2119.9	1.77E-21
2120.38	1.82E-21
2120.86	1.77E-21
2121.35	1.68E-21
2121.83	1.54E-21
2122.31	1.52E-21
2122.79	1.6E-21
2123.28	1.6E-21
2123.76	1.67E-21
2124.24	1.83E-21
2124.72	1.89E-21
2125.2	1.91E-21
2125.69	1.95E-21
2126.17	2E-21
2126.65	2.07E-21
2127.13	2.14E-21
2127.61	2.19E-21
2128.1	2.24E-21
2128.58	2.21E-21
2129.06	2.07E-21
2129.54	2.01E-21
2130.03	2.05E-21
2130.51	2.11E-21
2130.99	2.12E-21
2131.47	2.08E-21
2131.95	2.19E-21
2132.44	2.4E-21
2132.92	2.44E-21
2133.4	2.44E-21
2133.88	2.43E-21
2134.36	2.44E-21
2134.85	2.43E-21
2135.33	2.36E-21
2135.81	2.29E-21
2136.29	2.34E-21
2136.78	2.39E-21
2137.26	2.43E-21
2137.74	2.47E-21

2138.22	2.43E-21
2138.7	2.36E-21
2139.19	2.34E-21
2139.67	2.35E-21
2140.15	2.34E-21
2140.63	2.27E-21
2141.11	2.19E-21
2141.6	2.18E-21
2142.08	2.22E-21
2142.56	2.22E-21
2143.04	2.23E-21
2143.53	2.27E-21
2144.01	2.35E-21
2144.49	2.42E-21
2144.97	2.43E-21
2145.45	2.43E-21
2145.94	2.52E-21
2146.42	2.6E-21
2146.9	2.6E-21
2147.38	2.59E-21
2147.86	2.59E-21
2148.35	2.53E-21
2148.83	2.46E-21
2149.31	2.47E-21
2149.79	2.44E-21
2150.28	2.31E-21
2150.76	2.19E-21
2151.24	2.15E-21
2151.72	2.11E-21
2152.2	2.05E-21
2152.68	2.05E-21
2153.17	2.1E-21
2153.65	2.04E-21
2154.13	1.91E-21
2154.61	1.8E-21
2155.1	1.77E-21
2155.58	1.85E-21
2156.06	1.99E-21
2156.54	2.09E-21
2157.02	2.1E-21
2157.51	1.96E-21
2157.99	1.72E-21
2158.47	1.57E-21
2158.95	1.59E-21
2159.43	1.61E-21
2159.92	1.52E-21
2160.4	1.47E-21
2160.88	1.42E-21
2161.36	1.19E-21
2161.85	9.85E-22
2162.33	9.87E-22
2162.81	1.17E-21
2163.29	1.29E-21
2163.77	1.32E-21
2164.26	1.29E-21
2164.74	1.07E-21

2165.22	8.65E-22
2165.7	8.56E-22
2166.18	9.57E-22
2166.67	1.03E-21
2167.15	9.4E-22
2167.63	8.06E-22
2168.11	6.18E-22
2168.59	4.22E-22
2169.08	3.04E-22
2169.56	2.14E-22
2170.04	2.94E-22
2170.52	4.72E-22
2171.01	5.66E-22
2171.49	5.01E-22
2171.97	3.3E-22
2172.45	2.26E-22
2172.93	2.64E-22
2173.42	4.56E-22
2173.9	6.64E-22
2174.38	7.05E-22
2174.86	6.53E-22
2175.34	4.91E-22
2175.83	3.11E-22
2176.31	2.35E-22
2176.79	2.75E-22
2177.27	4.48E-22
2177.76	6.37E-22
2178.24	7.2E-22
2178.72	6.3E-22
2179.2	4.81E-22
2179.68	4.06E-22
2180.17	4.38E-22
2180.65	5.66E-22
2181.13	5.89E-22
2181.61	4.2E-22
2182.09	2.00E-22
2182.58	0
2183.06	0
2183.54	0
2184.02	0
2184.51	2.00E-22
2184.99	2.19E-22
2185.47	2.29E-22
2185.95	1.1E-22
2186.43	4.08E-23
2186.92	8.28E-23
2187.4	2E-22
2187.88	2.68E-22
2188.36	2.6E-22
2188.84	2.55E-22
2189.33	3.24E-22
2189.81	4.27E-22
2190.29	5.32E-22
2190.77	6.45E-22
2191.26	7.35E-22
2191.74	7.35E-22

2192.22	6.71E-22
2192.7	6.08E-22
2193.18	5.2E-22
2193.67	4.57E-22
2194.15	4.71E-22
2194.63	5.84E-22
2195.11	6.18E-22
2195.59	5.47E-22
2196.08	5.81E-22
2196.56	6.61E-22
2197.04	6.91E-22
2197.52	7.09E-22
2198.01	7.51E-22
2198.49	7.06E-22
2198.97	6.42E-22
2199.45	6.32E-22
2199.93	6.55E-22
2200.42	6.78E-22
2200.9	6.77E-22
2201.38	6.73E-22
2201.86	6.13E-22
2202.34	4.72E-22
2202.83	3.54E-22
2203.31	3.26E-22
2203.79	3.4E-22
2204.27	4.03E-22
2204.76	4.53E-22
2205.24	4.63E-22
2205.72	5.23E-22
2206.2	5.96E-22
2206.68	6.55E-22
2207.16	6.88E-22
2207.65	6.59E-22
2208.13	5.6E-22
2208.61	4.3E-22
2209.09	3.32E-22
2209.58	2.81E-22
2210.06	2.62E-22
2210.54	2.43E-22
2211.02	3.3E-22
2211.5	4.35E-22
2211.99	4.78E-22
2212.47	4.86E-22
2212.95	4.8E-22
2213.43	4.93E-22
2213.91	5.51E-22
2214.4	5.74E-22
2214.88	5.37E-22
2215.36	5.15E-22
2215.84	5.12E-22
2216.33	5.45E-22
2216.81	5.54E-22
2217.29	5.22E-22
2217.77	5.25E-22
2218.25	5.63E-22
2218.74	5.65E-22

2219.22	5.36E-22
2219.7	4.95E-22
2220.18	4.15E-22
2220.66	3.66E-22
2221.15	3.37E-22
2221.63	2.79E-22
2222.11	2.00E-22
2222.59	2.00E-22
2223.07	0
2223.56	2.00E-22
2224.04	2.00E-22
2224.52	2.37E-22
2225	2.88E-22
2225.49	2.94E-22
2225.97	2.95E-22
2226.45	2.87E-22
2226.93	3.04E-22
2227.41	3.45E-22
2227.9	3.73E-22
2228.38	3.91E-22
2228.86	3.95E-22
2229.34	3.54E-22
2229.82	2.98E-22
2230.31	2.97E-22
2230.79	2.61E-22
2231.27	1.36E-22
2231.75	2.00E-22
2232.24	0
2232.72	0
2233.2	0
2233.68	0
2234.16	0
2234.65	0
2235.13	0
2235.61	0
2236.09	0
2236.57	0
2237.06	0
2237.54	0
2238.02	0
2238.5	0
2238.99	0
2239.47	0
2239.95	2.00E-22
2240.43	2.00E-22
2240.91	0
2241.4	0
2241.88	0
2242.36	0
2242.84	0
2243.32	0
2243.81	0
2244.29	0
2244.77	0
2245.25	0
2245.74	0

2246.22	0
2246.7	0
2247.18	0
2247.66	0
2248.15	0
2248.63	0
2249.11	0
2249.59	0
2250.07	0
2250.56	0
2251.04	0
2251.52	2.00E-22
2252	2.00E-22
2252.49	2.00E-22
2252.97	0
2253.45	0
2253.93	0
2254.41	0
2254.9	0
2255.38	0
2255.86	0
2256.34	0
2256.82	0
2257.31	0
2257.79	0
2258.27	0
2258.75	0
2259.24	0
2259.72	0
2260.2	0
2260.68	0
2261.16	0
2261.64	0
2262.13	0
2262.61	0
2263.09	0
2263.57	0
2264.06	0
2264.54	0
2265.02	0
2265.5	0
2265.98	0
2266.47	0
2266.95	0
2267.43	0
2267.91	0
2268.39	0
2268.88	0
2269.36	0
2269.84	0
2270.32	0
2270.81	0
2271.29	0
2271.77	0
2272.25	0
2272.73	0

2273.22	0
2273.7	0
2274.18	0
2274.66	0
2275.14	0
2275.63	0
2276.11	0
2276.59	0
2277.07	0
2277.55	0
2278.04	0
2278.52	0
2279	0
2279.48	0
2279.97	0
2280.45	0
2280.93	0
2281.41	0
2281.89	0
2282.38	0
2282.86	0
2283.34	0
2283.82	0
2284.3	0
2284.79	0
2285.27	0
2285.75	0
2286.23	0
2286.72	0
2287.2	0
2287.68	0
2288.16	0
2288.64	0
2289.13	0
2289.61	0
2290.09	0
2290.57	0
2291.05	0
2291.54	0
2292.02	0
2292.5	0
2292.98	2.00E-22
2293.47	2.05E-22
2293.95	2.64E-22
2294.43	2.17E-22
2294.91	2.00E-22
2295.39	2.00E-22
2295.88	2.00E-22
2296.36	2.00E-22
2296.84	0
2297.32	0
2297.8	0
2298.29	0
2298.77	0
2299.25	2.00E-22
2299.73	2.00E-22

2300.22	2.05E-22
2300.7	2.00E-22
2301.18	2.00E-22
2301.66	2.00E-22
2302.14	2.00E-22
2302.63	0
2303.11	0
2303.59	0
2304.07	0
2304.55	0
2305.04	0
2305.52	0
2306	2.85E-22
2306.48	5.05E-22
2306.97	6.21E-22
2307.45	7.46E-22
2307.93	8.47E-22
2308.41	8.07E-22
2308.89	6.3E-22
2309.38	6.02E-22
2309.86	6.72E-22
2310.34	7.09E-22
2310.82	6.47E-22
2311.3	7.86E-22
2311.79	1.12E-21
2312.27	1.42E-21
2312.75	2.00E-22
2313.23	2.00E-22
2313.72	2.00E-22
2314.2	2.00E-22
2314.68	2.00E-22
2315.16	2.00E-22
2315.64	2.00E-22
2316.12	2.00E-22
2316.61	2.00E-22
2317.09	2.00E-22
2317.57	2.00E-22
2318.05	2.00E-22
2318.54	2.00E-22
2319.02	2.00E-22
2319.5	2.00E-22
2319.98	2.00E-22
2320.47	2.00E-22
2320.95	2.00E-22
2321.43	2.00E-22
2321.91	2.00E-22
2322.39	2.00E-22
2322.88	2.00E-22
2323.36	2.00E-22
2323.84	2.00E-22
2324.32	2.00E-22
2324.8	2.00E-22
2325.29	2.00E-22
2325.77	2.00E-22
2326.25	2.00E-22
2326.73	2.00E-22

2327.21	2.00E-22
2327.7	2.00E-22
2328.18	2.00E-22
2328.66	2.00E-22
2329.14	2.00E-22
2329.62	2.00E-22
2330.11	2.00E-22
2330.59	2.00E-22
2331.07	2.00E-22
2331.55	2.00E-22
2332.03	2.00E-22
2332.52	2.00E-22
2333	2.00E-22
2333.48	2.00E-22
2333.96	2.00E-22
2334.45	2.00E-22
2334.93	2.00E-22
2335.41	2.00E-22
2335.89	2.00E-22
2336.38	2.00E-22
2336.86	2.00E-22
2337.34	2.00E-22
2337.82	2.00E-22
2338.3	2.00E-22
2338.78	2.00E-22
2339.27	2.00E-22
2339.75	2.00E-22
2340.23	2.00E-22
2340.71	2.00E-22
2341.2	2.00E-22
2341.68	2.00E-22
2342.16	2.00E-22
2342.64	2.00E-22
2343.12	2.00E-22
2343.61	2.00E-22
2344.09	2.00E-22
2344.57	2.00E-22
2345.05	2.00E-22
2345.53	2.00E-22
2346.02	2.00E-22
2346.5	2.00E-22
2346.98	2.00E-22
2347.46	2.00E-22
2347.95	2.00E-22
2348.43	2.00E-22
2348.91	2.00E-22
2349.39	2.00E-22
2349.87	2.00E-22
2350.36	2.00E-22
2350.84	2.00E-22
2351.32	2.00E-22
2351.8	2.00E-22
2352.28	2.00E-22
2352.77	2.00E-22
2353.25	2.00E-22
2353.73	2.00E-22

2354.21	2.00E-22
2354.7	2.00E-22
2355.18	2.00E-22
2355.66	2.00E-22
2356.14	2.00E-22
2356.62	2.00E-22
2357.11	2.00E-22
2357.59	2.00E-22
2358.07	2.00E-22
2358.55	2.00E-22
2359.03	2.00E-22
2359.52	2.00E-22
2360	2.00E-22
2360.48	2.00E-22
2360.96	2.00E-22
2361.45	2.00E-22
2361.93	2.00E-22
2362.41	2.00E-22
2362.89	2.00E-22
2363.37	2.00E-22
2363.86	2.00E-22
2364.34	2.00E-22
2364.82	2.00E-22
2365.3	2.00E-22
2365.78	2.00E-22
2366.27	2.00E-22
2366.75	2.00E-22
2367.23	2.00E-22
2367.71	2.00E-22
2368.2	2.00E-22
2368.68	2.00E-22
2369.16	2.00E-22
2369.64	2.00E-22
2370.12	2.00E-22
2370.61	2.00E-22
2371.09	2.00E-22
2371.57	2.00E-22
2372.05	2.00E-22
2372.53	2.00E-22
2373.02	2.00E-22
2373.5	2.00E-22
2373.98	2.00E-22
2374.46	2.00E-22
2374.95	2.00E-22
2375.43	2.00E-22
2375.91	2.00E-22
2376.39	2.00E-22
2376.87	2.00E-22
2377.36	2.00E-22
2377.84	2.00E-22
2378.32	2.00E-22
2378.8	2.00E-22
2379.28	2.00E-22
2379.77	2.00E-22
2380.25	2.00E-22
2380.73	2.00E-22

2381.21	2.00E-22
2381.69	2.00E-22
2382.18	2.00E-22
2382.66	2.00E-22
2383.14	2.00E-22
2383.62	2.00E-22
2384.11	2.00E-22
2384.59	2.00E-22
2385.07	2.00E-22
2385.55	2.00E-22
2386.03	2.00E-22
2386.52	2.00E-22
2387	2.00E-22
2387.48	2.00E-22
2387.96	2.00E-22
2388.44	2.00E-22
2388.93	2.00E-22
2389.41	2.00E-22
2389.89	2.00E-22
2390.37	2.00E-22
2390.86	2.00E-22
2391.34	2.00E-22
2391.82	2.00E-22
2392.3	2.00E-22
2392.78	2.00E-22
2393.26	2.00E-22
2393.75	2.00E-22
2394.23	2.00E-22
2394.71	2.00E-22
2395.19	2.00E-22
2395.68	2.00E-22
2396.16	2.00E-22
2396.64	2.00E-22
2397.12	2.00E-22
2397.6	2.00E-22
2398.09	2.00E-22
2398.57	2.00E-22
2399.05	2.00E-22
2399.53	2.00E-22
2400.01	2.00E-22
2400.5	2.00E-22
2400.98	2.00E-22
2401.46	2.00E-22
2401.94	2.00E-22
2402.43	2.00E-22
2402.91	2.00E-22
2403.39	2.00E-22
2403.87	2.00E-22
2404.35	2.00E-22
2404.84	2.00E-22
2405.32	2.00E-22
2405.8	2.00E-22
2406.28	2.00E-22
2406.76	2.00E-22
2407.25	2.00E-22
2407.73	2.00E-22

2408.21	2.00E-22
2408.69	2.00E-22
2409.18	2.00E-22
2409.66	2.00E-22
2410.14	2.00E-22
2410.62	2.00E-22
2411.1	2.00E-22
2411.59	2.00E-22
2412.07	0
2412.55	0
2413.03	0
2413.51	0
2414	2.00E-22
2414.48	2.00E-22
2414.96	2.97E-22
2415.44	3.78E-22
2415.93	3.51E-22
2416.41	3E-22
2416.89	2.58E-22
2417.37	2.2E-22
2417.85	2.38E-22
2418.34	2.78E-22
2418.82	2.6E-22
2419.3	2.48E-22
2419.78	2.61E-22
2420.26	2.38E-22
2420.75	2.28E-22
2421.23	2.41E-22
2421.71	2.27E-22
2422.19	2.00E-22
2422.68	2.00E-22
2423.16	2.00E-22
2423.64	2.00E-22
2424.12	2.00E-22
2424.6	2.00E-22
2425.09	2.00E-22
2425.57	2.00E-22
2426.05	2.00E-22
2426.53	0
2427.01	0
2427.5	0
2427.98	0
2428.46	0
2428.94	0
2429.43	0
2429.91	0
2430.39	0
2430.87	0
2431.35	0
2431.84	0
2432.32	0
2432.8	0
2433.28	0
2433.76	0
2434.25	0
2434.73	0

2435.21	0
2435.69	0
2436.17	0
2436.66	0
2437.14	0
2437.62	0
2438.1	0
2438.59	0
2439.07	0
2439.55	0
2440.03	0
2440.51	0
2441	0
2441.48	0
2441.96	0
2442.44	0
2442.92	0
2443.41	0
2443.89	0
2444.37	0
2444.85	0
2445.34	0
2445.82	0
2446.3	0
2446.78	0
2447.26	0
2447.74	0
2448.23	2.00E-22
2448.71	2.00E-22
2449.19	0
2449.67	0
2450.16	0
2450.64	0
2451.12	0
2451.6	0
2452.08	0
2452.57	0
2453.05	0
2453.53	0
2454.01	0
2454.49	0
2454.98	0
2455.46	0
2455.94	0
2456.42	0
2456.91	0
2457.39	0
2457.87	0
2458.35	0
2458.83	0
2459.32	0
2459.8	0
2460.28	0
2460.76	0
2461.24	0
2461.73	0

2462.21	0
2462.69	0
2463.17	0
2463.66	0
2464.14	0
2464.62	0
2465.1	0
2465.58	0
2466.07	0
2466.55	0
2467.03	0
2467.51	0
2467.99	0
2468.48	0
2468.96	0
2469.44	0
2469.92	0
2470.41	0
2470.89	0
2471.37	0
2471.85	0
2472.33	0
2472.82	0
2473.3	0
2473.78	0
2474.26	0
2474.74	0
2475.23	0
2475.71	0
2476.19	0
2476.67	0
2477.16	0
2477.64	0
2478.12	0
2478.6	0
2479.08	0
2479.57	0
2480.05	0
2480.53	0
2481.01	0
2481.49	0
2481.98	0
2482.46	0
2482.94	0
2483.42	2.00E-22
2483.91	2.00E-22
2484.39	2.00E-22
2484.87	2.00E-22
2485.35	2.00E-22
2485.83	2.00E-22
2486.32	2.02E-22
2486.8	2.00E-22
2487.28	2.00E-22
2487.76	2.00E-22
2488.24	0
2488.73	0

2489.21	0
2489.69	0
2490.17	0
2490.66	0
2491.14	0
2491.62	0
2492.1	2.02E-22
2492.58	2.04E-22
2493.07	2.5E-22
2493.55	2.44E-22
2494.03	2.00E-22
2494.51	2.00E-22
2494.99	2.00E-22
2495.48	0
2495.96	0
2496.44	0
2496.92	0
2497.4	0
2497.89	0
2498.37	2.0E-22
2498.85	2.0E-22
2499.33	2.0E-22
2499.82	2.0E-22
2500.3	2.0E-22
2500.78	2.0E-22
2501.26	2.0E-22
2501.74	0
2502.22	0
2502.71	0
2503.19	0
2503.67	0
2504.15	0
2504.64	0
2505.12	0
2505.6	0
2506.08	0
2506.56	0
2507.05	0
2507.53	0
2508.01	2.0E-22
2508.49	2.0E-22
2508.97	2.0E-22
2509.46	2.0E-22
2509.94	2.0E-22
2510.42	2.0E-22
2510.9	2.0E-22
2511.39	2.0E-22
2511.87	2.0E-22
2512.35	2.0E-22
2512.83	2.0E-22
2513.31	2.0E-22
2513.8	2.0E-22
2514.28	2.0E-22
2514.76	2.0E-22
2515.24	2.0E-22
2515.72	0

2516.21	0
2516.69	0
2517.17	0
2517.65	0
2518.14	0
2518.62	2.0E-22
2519.1	2.0E-22
2519.58	2.32E-22
2520.06	2.33E-22
2520.55	2.0E-22
2521.03	2.0E-22
2521.51	2.0E-22
2521.99	0
2522.47	0
2522.96	0
2523.44	0
2523.92	0
2524.4	0
2524.89	0
2525.37	2.0E-22
2525.85	2.0E-22
2526.33	2.28E-22
2526.81	2.0E-22
2527.3	2.0E-22
2527.78	2.0E-22
2528.26	2.0E-22
2528.74	2.0E-22
2529.22	2.0E-22
2529.71	2.0E-22
2530.19	2.0E-22
2530.67	2.0E-22
2531.15	2.0E-22
2531.64	0
2532.12	0
2532.6	0
2533.08	0
2533.56	0
2534.05	0
2534.53	0
2535.01	0
2535.49	0
2535.97	0
2536.46	0
2536.94	0
2537.42	0
2537.9	0
2538.39	0
2538.87	0
2539.35	0
2539.83	0
2540.31	0
2540.8	0
2541.28	0
2541.76	0
2542.24	0
2542.72	0

2543.21	0
2543.69	0
2544.17	0
2544.65	0
2545.14	0
2545.62	0
2546.1	0
2546.58	0
2547.06	0
2547.55	0
2548.03	0
2548.51	2.0E-22
2548.99	2.0E-22
2549.47	2.21E-22
2549.96	2.79E-22
2550.44	2.79E-22
2550.92	2.23E-22
2551.4	2.0E-22
2551.88	2.0E-22
2552.37	2.0E-22
2552.85	2.0E-22
2553.33	2.0E-22
2553.81	3.26E-22
2554.3	3.31E-22
2554.78	2.84E-22
2555.26	3.16E-22
2555.74	3.62E-22
2556.22	3.67E-22
2556.71	3.46E-22
2557.19	2.3E-22
2557.67	7.3E-23
2558.15	7.3E-23
2558.63	7.3E-23
2559.12	7.3E-23
2559.6	2.78E-22
2560.08	2.81E-22
2560.56	2.81E-22
2561.05	2.49E-22
2561.53	2.0E-22
2562.01	2.0E-22
2562.49	2.0E-22
2562.97	2.0E-22
2563.45	2.22E-22
2563.94	2.83E-22
2564.42	3.6E-22
2564.9	5.21E-22
2565.38	6.91E-22
2565.87	7.9E-22
2566.35	8.48E-22
2566.83	8.61E-22
2567.31	8.73E-22
2567.79	8.8E-22
2568.28	8.61E-22
2568.76	8.75E-22
2569.24	8.79E-22
2569.72	8.58E-22

2570.2	8.62E-22
2570.69	8.47E-22
2571.17	7.99E-22
2571.65	7.66E-22
2572.13	6.91E-22
2572.61	6.53E-22
2573.1	6.27E-22
2573.58	5.94E-22
2574.06	6.05E-22
2574.54	6.93E-22
2575.03	7.41E-22
2575.51	7.43E-22
2575.99	7.81E-22
2576.47	8.79E-22
2576.95	9.91E-22
2577.44	1.11E-21
2577.92	1.24E-21
2578.4	1.35E-21
2578.88	1.48E-21
2579.36	1.57E-21
2579.85	1.6E-21
2580.33	1.62E-21
2580.81	1.63E-21
2581.29	1.59E-21
2581.78	1.49E-21
2582.26	1.42E-21
2582.74	1.37E-21
2583.22	1.38E-21
2583.7	1.44E-21
2584.19	1.51E-21
2584.67	1.55E-21
2585.15	1.54E-21
2585.63	1.49E-21
2586.11	1.5E-21
2586.6	1.49E-21
2587.08	1.46E-21
2587.56	1.44E-21
2588.04	1.4E-21
2588.53	1.4E-21
2589.01	1.39E-21
2589.49	1.39E-21
2589.97	1.4E-21
2590.45	1.34E-21
2590.94	1.31E-21
2591.42	1.35E-21
2591.9	1.41E-21
2592.38	1.44E-21
2592.86	1.47E-21
2593.35	1.47E-21
2593.83	1.54E-21
2594.31	1.65E-21
2594.79	1.73E-21
2595.28	1.71E-21
2595.76	1.71E-21
2596.24	1.73E-21
2596.72	1.72E-21

2597.2	1.66E-21
2597.69	1.6E-21
2598.17	1.61E-21
2598.65	1.64E-21
2599.13	1.68E-21
2599.61	1.65E-21
2600.1	1.58E-21
2600.58	1.61E-21
2601.06	1.72E-21
2601.54	1.82E-21
2602.03	1.9E-21
2602.51	1.94E-21
2602.99	1.96E-21
2603.47	1.98E-21
2603.95	1.96E-21
2604.44	1.9E-21
2604.92	1.79E-21
2605.4	1.67E-21
2605.88	1.62E-21
2606.36	1.59E-21
2606.85	1.55E-21
2607.33	1.52E-21
2607.81	1.47E-21
2608.29	1.46E-21
2608.78	1.54E-21
2609.26	1.61E-21
2609.74	1.61E-21
2610.22	1.62E-21
2610.7	1.64E-21
2611.19	1.65E-21
2611.67	1.68E-21
2612.15	1.69E-21
2612.63	1.7E-21
2613.11	1.67E-21
2613.6	1.59E-21
2614.08	1.56E-21
2614.56	1.58E-21
2615.04	1.61E-21
2615.53	1.68E-21
2616.01	1.76E-21
2616.49	1.86E-21
2616.97	2E-21
2617.45	2.08E-21
2617.93	2.17E-21
2618.42	2.36E-21
2618.9	2.56E-21
2619.38	2.7E-21
2619.86	2.83E-21
2620.35	3.01E-21
2620.83	3.22E-21
2621.31	3.45E-21
2621.79	3.66E-21
2622.27	3.83E-21
2622.76	3.95E-21
2623.24	3.99E-21
2623.72	4.06E-21

2624.2	4.12E-21
2624.68	4.14E-21
2625.17	4.19E-21
2625.65	4.31E-21
2626.13	4.41E-21
2626.61	4.55E-21
2627.1	4.75E-21
2627.58	4.96E-21
2628.06	5.18E-21
2628.54	5.4E-21
2629.02	5.64E-21
2629.51	5.91E-21
2629.99	6.14E-21
2630.47	6.37E-21
2630.95	6.61E-21
2631.43	6.83E-21
2631.92	7.06E-21
2632.4	7.25E-21
2632.88	7.42E-21
2633.36	7.62E-21
2633.84	7.75E-21
2634.33	7.81E-21
2634.81	7.89E-21
2635.29	8.03E-21
2635.77	8.09E-21
2636.26	8.1E-21
2636.74	8.05E-21
2637.22	7.94E-21
2637.7	7.81E-21
2638.18	7.73E-21
2638.67	7.71E-21
2639.15	7.71E-21
2639.63	7.67E-21
2640.11	7.68E-21
2640.59	7.73E-21
2641.08	7.86E-21
2641.56	8.07E-21
2642.04	8.19E-21
2642.52	8.3E-21
2643.01	8.47E-21
2643.49	8.62E-21
2643.97	8.71E-21
2644.45	8.81E-21
2644.93	8.92E-21
2645.42	9.06E-21
2645.9	9.26E-21
2646.38	9.4E-21
2646.86	9.38E-21
2647.34	9.28E-21
2647.83	9.21E-21
2648.31	9.17E-21
2648.79	9.14E-21
2649.27	9.11E-21
2649.76	9.13E-21
2650.24	9.2E-21
2650.72	9.29E-21

2651.2	9.39E-21
2651.68	9.45E-21
2652.17	9.48E-21
2652.65	9.5E-21
2653.13	9.42E-21
2653.61	9.28E-21
2654.09	9.07E-21
2654.58	8.81E-21
2655.06	8.63E-21
2655.54	8.62E-21
2656.02	8.64E-21
2656.51	8.61E-21
2656.99	8.51E-21
2657.47	8.43E-21
2657.95	8.39E-21
2658.43	8.28E-21
2658.92	8.08E-21
2659.4	7.9E-21
2659.88	7.78E-21
2660.36	7.59E-21
2660.84	7.36E-21
2661.33	7.13E-21
2661.81	6.91E-21
2662.29	6.74E-21
2662.77	6.65E-21
2663.26	6.62E-21
2663.74	6.52E-21
2664.22	6.35E-21
2664.7	6.23E-21
2665.18	6.15E-21
2665.67	6.05E-21
2666.15	5.94E-21
2666.63	5.9E-21
2667.11	5.95E-21
2667.59	5.98E-21
2668.08	5.97E-21
2668.56	5.95E-21
2669.04	5.94E-21
2669.52	5.97E-21
2670.01	5.99E-21
2670.49	5.92E-21
2670.97	5.78E-21
2671.45	5.59E-21
2671.93	5.44E-21
2672.41	5.39E-21
2672.9	5.36E-21
2673.38	5.27E-21
2673.86	5.17E-21
2674.34	5.1E-21
2674.83	4.99E-21
2675.31	4.79E-21
2675.79	4.57E-21
2676.27	4.39E-21
2676.75	4.24E-21
2677.24	4.05E-21
2677.72	3.92E-21

2678.2	3.85E-21
2678.68	3.78E-21
2679.16	3.79E-21
2679.65	3.8E-21
2680.13	3.81E-21
2680.61	3.84E-21
2681.09	3.84E-21
2681.58	3.83E-21
2682.06	3.83E-21
2682.54	3.8E-21
2683.02	3.74E-21
2683.5	3.69E-21
2683.99	3.62E-21
2684.47	3.53E-21
2684.95	3.53E-21
2685.43	3.62E-21
2685.91	3.73E-21
2686.4	3.87E-21
2686.88	4.01E-21
2687.36	4.14E-21
2687.84	4.17E-21
2688.32	4.09E-21
2688.81	4.03E-21
2689.29	3.91E-21
2689.77	3.75E-21
2690.25	3.6E-21
2690.74	3.43E-21
2691.22	3.3E-21
2691.7	3.21E-21
2692.18	3.22E-21
2692.66	3.36E-21
2693.15	3.47E-21
2693.63	3.45E-21
2694.11	3.42E-21
2694.59	3.41E-21
2695.07	3.41E-21
2695.56	3.38E-21
2696.04	3.4E-21
2696.52	3.43E-21
2697	3.51E-21
2697.49	3.59E-21
2697.97	3.67E-21
2698.45	3.83E-21
2698.93	3.97E-21
2699.41	4E-21
2699.9	4E-21
2700.38	3.94E-21
2700.86	3.84E-21
2701.34	3.72E-21
2701.82	3.7E-21
2702.31	3.8E-21
2702.79	3.84E-21
2703.27	3.86E-21
2703.75	3.97E-21
2704.24	4.12E-21
2704.72	4.25E-21

2705.2	4.35E-21
2705.68	4.42E-21
2706.16	4.45E-21
2706.65	4.46E-21
2707.13	4.41E-21
2707.61	4.36E-21
2708.09	4.41E-21
2708.57	4.46E-21
2709.06	4.47E-21
2709.54	4.56E-21
2710.02	4.64E-21
2710.5	4.67E-21
2710.99	4.68E-21
2711.47	4.77E-21
2711.95	4.87E-21
2712.43	4.91E-21
2712.91	4.96E-21
2713.4	5.06E-21
2713.88	5.22E-21
2714.36	5.39E-21
2714.84	5.53E-21
2715.32	5.7E-21
2715.81	5.91E-21
2716.29	6.07E-21
2716.77	6.21E-21
2717.25	6.34E-21
2717.74	6.47E-21
2718.22	6.54E-21
2718.7	6.58E-21
2719.18	6.68E-21
2719.66	6.82E-21
2720.15	6.94E-21
2720.63	7.05E-21
2721.11	7.16E-21
2721.59	7.26E-21
2722.07	7.32E-21
2722.56	7.38E-21
2723.04	7.49E-21
2723.52	7.62E-21
2724	7.79E-21
2724.49	7.97E-21
2724.97	8.18E-21
2725.45	8.35E-21
2725.93	8.4E-21
2726.41	8.42E-21
2726.89	8.41E-21
2727.38	8.36E-21
2727.86	8.25E-21
2728.34	8.07E-21
2728.82	7.93E-21
2729.31	7.87E-21
2729.79	7.86E-21
2730.27	7.8E-21
2730.75	7.72E-21
2731.23	7.64E-21
2731.72	7.47E-21

2732.2	7.29E-21
2732.68	7.09E-21
2733.16	6.91E-21
2733.64	6.8E-21
2734.13	6.67E-21
2734.61	6.55E-21
2735.09	6.45E-21
2735.57	6.34E-21
2736.06	6.26E-21
2736.54	6.27E-21
2737.02	6.3E-21
2737.5	6.28E-21
2737.98	6.15E-21
2738.47	5.97E-21
2738.95	5.86E-21
2739.43	5.84E-21
2739.91	5.77E-21
2740.39	5.65E-21
2740.88	5.52E-21
2741.36	5.35E-21
2741.84	5.15E-21
2742.32	4.97E-21
2742.8	4.92E-21
2743.29	4.95E-21
2743.77	5.02E-21
2744.25	5.15E-21
2744.73	5.21E-21
2745.22	5.21E-21
2745.7	5.17E-21
2746.18	5.22E-21
2746.66	5.26E-21
2747.14	5.25E-21
2747.63	5.18E-21
2748.11	5.04E-21
2748.59	4.91E-21
2749.07	4.8E-21
2749.55	4.66E-21
2750.04	4.47E-21
2750.52	4.28E-21
2751	4.1E-21
2751.48	3.95E-21
2751.97	3.84E-21
2752.45	3.7E-21
2752.93	3.5E-21
2753.41	3.38E-21
2753.89	3.35E-21
2754.38	3.34E-21
2754.86	3.31E-21
2755.34	3.29E-21
2755.82	3.33E-21
2756.3	3.32E-21
2756.79	3.23E-21
2757.27	3.12E-21
2757.75	3.02E-21
2758.23	2.99E-21
2758.72	3E-21

2759.2	2.94E-21
2759.68	2.84E-21
2760.16	2.72E-21
2760.64	2.58E-21
2761.13	2.5E-21
2761.61	2.43E-21
2762.09	2.34E-21
2762.57	2.19E-21
2763.05	2.05E-21
2763.54	2.01E-21
2764.02	2.03E-21
2764.5	2.04E-21
2764.98	2.08E-21
2765.47	2.14E-21
2765.95	2.24E-21
2766.43	2.27E-21
2766.91	2.19E-21
2767.39	2.08E-21
2767.88	2.01E-21
2768.36	1.95E-21
2768.84	1.76E-21
2769.32	1.56E-21
2769.8	1.41E-21
2770.29	1.3E-21
2770.77	1.29E-21
2771.25	1.33E-21
2771.73	1.45E-21
2772.22	1.58E-21
2772.7	1.68E-21
2773.18	1.79E-21
2773.66	1.86E-21
2774.14	1.88E-21
2774.63	1.93E-21
2775.11	1.96E-21
2775.59	1.94E-21
2776.07	1.9E-21
2776.55	1.83E-21
2777.04	1.79E-21
2777.52	1.84E-21
2778	1.94E-21
2778.48	2.01E-21
2778.97	2.07E-21
2779.45	2.1E-21
2779.93	2.15E-21
2780.41	2.21E-21
2780.89	2.29E-21
2781.38	2.45E-21
2781.86	2.66E-21
2782.34	2.83E-21
2782.82	2.92E-21
2783.3	3E-21
2783.79	3.09E-21
2784.27	3.27E-21
2784.75	3.38E-21
2785.23	3.41E-21
2785.72	3.52E-21

2786.2	3.7E-21
2786.68	3.88E-21
2787.16	4.06E-21
2787.64	4.22E-21
2788.12	4.41E-21
2788.61	4.67E-21
2789.09	5E-21
2789.57	5.43E-21
2790.05	5.9E-21
2790.54	6.38E-21
2791.02	6.9E-21
2791.5	7.47E-21
2791.98	8.01E-21
2792.46	8.55E-21
2792.95	9.16E-21
2793.43	9.91E-21
2793.91	1.08E-20
2794.39	1.17E-20
2794.88	1.26E-20
2795.36	1.37E-20
2795.84	1.49E-20
2796.32	1.61E-20
2796.8	1.74E-20
2797.28	1.86E-20
2797.77	1.99E-20
2798.25	2.14E-20
2798.73	2.31E-20
2799.21	2.49E-20
2799.7	2.7E-20
2800.18	2.92E-20
2800.66	3.15E-20
2801.14	3.39E-20
2801.62	3.63E-20
2802.11	3.88E-20
2802.59	4.14E-20
2803.07	4.41E-20
2803.55	4.7E-20
2804.03	5.02E-20
2804.52	5.37E-20
2805	5.75E-20
2805.48	6.17E-20
2805.96	6.61E-20
2806.45	7.07E-20
2806.93	7.55E-20
2807.41	8.06E-20
2807.89	8.59E-20
2808.37	9.14E-20
2808.86	9.73E-20
2809.34	1.03E-19
2809.82	1.1E-19
2810.3	1.17E-19
2810.78	1.24E-19
2811.27	1.31E-19
2811.75	1.39E-19
2812.23	1.47E-19
2812.71	1.55E-19

2813.2	1.64E-19
2813.68	1.73E-19
2814.16	1.82E-19
2814.64	1.92E-19
2815.12	2.01E-19
2815.61	2.1E-19
2816.09	2.2E-19
2816.57	2.29E-19
2817.05	2.38E-19
2817.53	2.47E-19
2818.02	2.56E-19
2818.5	2.64E-19
2818.98	2.71E-19
2819.46	2.78E-19
2819.95	2.83E-19
2820.43	2.88E-19
2820.91	2.91E-19
2821.39	2.93E-19
2821.87	2.94E-19
2822.36	2.92E-19
2822.84	2.89E-19
2823.32	2.83E-19
2823.8	2.75E-19
2824.28	2.64E-19
2824.77	2.5E-19
2825.25	2.34E-19
2825.73	2.19E-19
2826.21	2.04E-19
2826.7	1.9E-19
2827.18	1.78E-19
2827.66	1.69E-19
2828.14	1.64E-19
2828.62	1.63E-19
2829.11	1.67E-19
2829.59	1.76E-19
2830.07	1.88E-19
2830.55	2.04E-19
2831.03	2.22E-19
2831.52	2.41E-19
2832	2.6E-19
2832.48	2.77E-19
2832.96	2.93E-19
2833.45	3.06E-19
2833.93	3.15E-19
2834.41	3.2E-19
2834.89	3.22E-19
2835.37	3.21E-19
2835.86	3.18E-19
2836.34	3.13E-19
2836.82	3.08E-19
2837.3	3.01E-19
2837.78	2.93E-19
2838.27	2.84E-19
2838.75	2.75E-19
2839.23	2.65E-19
2839.71	2.55E-19

2840.2	2.45E-19
2840.68	2.34E-19
2841.16	2.23E-19
2841.64	2.12E-19
2842.12	2.02E-19
2842.61	1.91E-19
2843.09	1.81E-19
2843.57	1.71E-19
2844.05	1.61E-19
2844.53	1.52E-19
2845.02	1.43E-19
2845.5	1.35E-19
2845.98	1.27E-19
2846.46	1.19E-19
2846.94	1.12E-19
2847.43	1.05E-19
2847.91	9.84E-20
2848.39	9.23E-20
2848.87	8.67E-20
2849.36	8.14E-20
2849.84	7.66E-20
2850.32	7.2E-20
2850.8	6.78E-20
2851.28	6.38E-20
2851.77	6E-20
2852.25	5.64E-20
2852.73	5.3E-20
2853.21	4.98E-20
2853.69	4.67E-20
2854.18	4.39E-20
2854.66	4.12E-20
2855.14	3.87E-20
2855.62	3.63E-20
2856.11	3.41E-20
2856.59	3.2E-20
2857.07	2.99E-20
2857.55	2.8E-20
2858.03	2.62E-20
2858.51	2.45E-20
2859	2.28E-20
2859.48	2.13E-20
2859.96	1.99E-20
2860.44	1.86E-20
2860.93	1.74E-20
2861.41	1.63E-20
2861.89	1.54E-20
2862.37	1.46E-20
2862.85	1.38E-20
2863.34	1.3E-20
2863.82	1.24E-20
2864.3	1.18E-20
2864.78	1.12E-20
2865.26	1.05E-20
2865.75	9.84E-21
2866.23	9.21E-21
2866.71	8.62E-21

2867.19	8.17E-21
2867.68	7.83E-21
2868.16	7.53E-21
2868.64	7.22E-21
2869.12	6.89E-21
2869.6	6.61E-21
2870.09	6.36E-21
2870.57	6.14E-21
2871.05	5.97E-21
2871.53	5.82E-21
2872.01	5.63E-21
2872.5	5.42E-21
2872.98	5.21E-21
2873.46	4.99E-21
2873.94	4.82E-21
2874.43	4.78E-21
2874.91	4.75E-21
2875.39	4.67E-21
2875.87	4.62E-21
2876.35	4.58E-21
2876.84	4.55E-21
2877.32	4.49E-21
2877.8	4.42E-21
2878.28	4.36E-21
2878.76	4.26E-21
2879.25	4.11E-21
2879.73	3.93E-21
2880.21	3.79E-21
2880.69	3.71E-21
2881.18	3.73E-21
2881.66	3.87E-21
2882.14	3.99E-21
2882.62	4.05E-21
2883.1	4.11E-21
2883.59	4.17E-21
2884.07	4.29E-21
2884.55	4.35E-21
2885.03	4.36E-21
2885.51	4.4E-21
2886	4.42E-21
2886.48	4.41E-21
2886.96	4.36E-21
2887.44	4.24E-21
2887.93	4.17E-21
2888.41	4.13E-21
2888.89	4.08E-21
2889.37	3.98E-21
2889.85	3.88E-21
2890.34	3.78E-21
2890.82	3.74E-21
2891.3	3.77E-21
2891.78	3.75E-21
2892.26	3.69E-21
2892.75	3.72E-21
2893.23	3.76E-21
2893.71	3.81E-21

2894.19	3.83E-21
2894.68	3.83E-21
2895.16	3.86E-21
2895.64	3.98E-21
2896.12	4.18E-21
2896.6	4.4E-21
2897.09	4.57E-21
2897.57	4.7E-21
2898.05	4.8E-21
2898.53	4.81E-21
2899.01	4.67E-21
2899.5	4.5E-21
2899.98	4.37E-21
2900.46	4.25E-21
2900.94	4.19E-21
2901.42	4.24E-21
2901.91	4.39E-21
2902.39	4.64E-21
2902.87	4.99E-21
2903.35	5.38E-21
2903.84	5.74E-21
2904.32	5.94E-21
2904.8	6.02E-21
2905.28	6.07E-21
2905.76	6.03E-21
2906.25	5.98E-21
2906.73	6.01E-21
2907.21	6.1E-21
2907.69	6.27E-21
2908.17	6.46E-21
2908.66	6.58E-21
2909.14	6.72E-21
2909.62	6.88E-21
2910.1	7.03E-21
2910.59	7.15E-21
2911.07	7.24E-21
2911.55	7.27E-21
2912.03	7.27E-21
2912.51	7.28E-21
2912.99	7.32E-21
2913.48	7.33E-21
2913.96	7.39E-21
2914.44	7.5E-21
2914.92	7.69E-21
2915.41	7.92E-21
2915.89	8.21E-21
2916.37	8.53E-21
2916.85	8.8E-21
2917.33	9.02E-21
2917.82	9.22E-21
2918.3	9.41E-21
2918.78	9.57E-21
2919.26	9.69E-21
2919.74	9.75E-21
2920.23	9.8E-21
2920.71	9.94E-21

2921.19	1.01E-20
2921.67	1.03E-20
2922.16	1.06E-20
2922.64	1.09E-20
2923.12	1.11E-20
2923.6	1.13E-20
2924.08	1.14E-20
2924.57	1.16E-20
2925.05	1.17E-20
2925.53	1.18E-20
2926.01	1.19E-20
2926.49	1.21E-20
2926.98	1.21E-20
2927.46	1.22E-20
2927.94	1.23E-20
2928.42	1.23E-20
2928.91	1.23E-20
2929.39	1.22E-20
2929.87	1.21E-20
2930.35	1.21E-20
2930.83	1.22E-20
2931.32	1.22E-20
2931.8	1.24E-20
2932.28	1.26E-20
2932.76	1.28E-20
2933.24	1.29E-20
2933.73	1.3E-20
2934.21	1.31E-20
2934.69	1.31E-20
2935.17	1.31E-20
2935.66	1.32E-20
2936.14	1.33E-20
2936.62	1.33E-20
2937.1	1.32E-20
2937.58	1.33E-20
2938.07	1.33E-20
2938.55	1.33E-20
2939.03	1.33E-20
2939.51	1.33E-20
2939.99	1.32E-20
2940.48	1.32E-20
2940.96	1.31E-20
2941.44	1.3E-20
2941.92	1.3E-20
2942.41	1.3E-20
2942.89	1.3E-20
2943.37	1.29E-20
2943.85	1.27E-20
2944.33	1.25E-20
2944.82	1.23E-20
2945.3	1.23E-20
2945.78	1.23E-20
2946.26	1.24E-20
2946.74	1.24E-20
2947.23	1.25E-20
2947.71	1.26E-20

2948.19	1.26E-20
2948.67	1.27E-20
2949.16	1.27E-20
2949.64	1.28E-20
2950.12	1.29E-20
2950.6	1.29E-20
2951.08	1.29E-20
2951.57	1.28E-20
2952.05	1.27E-20
2952.53	1.26E-20
2953.01	1.24E-20
2953.49	1.22E-20
2953.98	1.2E-20
2954.46	1.18E-20
2954.94	1.17E-20
2955.42	1.17E-20
2955.91	1.17E-20
2956.39	1.17E-20
2956.87	1.18E-20
2957.35	1.18E-20
2957.83	1.18E-20
2958.32	1.17E-20
2958.8	1.16E-20
2959.28	1.16E-20
2959.76	1.14E-20
2960.24	1.12E-20
2960.73	1.11E-20
2961.21	1.12E-20
2961.69	1.12E-20
2962.17	1.13E-20
2962.65	1.13E-20
2963.14	1.13E-20
2963.62	1.14E-20
2964.1	1.14E-20
2964.58	1.13E-20
2965.07	1.13E-20
2965.55	1.12E-20
2966.03	1.11E-20
2966.51	1.11E-20
2966.99	1.1E-20
2967.47	1.1E-20
2967.96	1.09E-20
2968.44	1.08E-20
2968.92	1.08E-20
2969.4	1.06E-20
2969.89	1.05E-20
2970.37	1.05E-20
2970.85	1.05E-20
2971.33	1.04E-20
2971.81	1.03E-20
2972.3	1.02E-20
2972.78	1.01E-20
2973.26	1E-20
2973.74	1E-20
2974.22	1.02E-20
2974.71	1.06E-20

2975.19	1.11E-20
2975.67	1.18E-20
2976.15	1.27E-20
2976.64	1.36E-20
2977.12	1.45E-20
2977.6	1.53E-20
2978.08	1.57E-20
2978.56	1.57E-20
2979.05	1.54E-20
2979.53	1.47E-20
2980.01	1.39E-20
2980.49	1.31E-20
2980.97	1.21E-20
2981.46	1.14E-20
2981.94	1.09E-20
2982.42	1.06E-20
2982.9	1.04E-20
2983.39	1.03E-20
2983.87	1.03E-20
2984.35	1.04E-20
2984.83	1.04E-20
2985.31	1.03E-20
2985.8	1.01E-20
2986.28	9.93E-21
2986.76	9.8E-21
2987.24	9.74E-21
2987.72	9.68E-21
2988.21	9.61E-21
2988.69	9.6E-21
2989.17	9.69E-21
2989.65	9.82E-21
2990.14	9.9E-21
2990.62	9.88E-21
2991.1	9.86E-21
2991.58	9.85E-21
2992.06	9.69E-21
2992.55	9.51E-21
2993.03	9.34E-21
2993.51	9.21E-21
2993.99	9.1E-21
2994.47	8.99E-21
2994.96	8.9E-21
2995.44	8.78E-21
2995.92	8.65E-21
2996.4	8.55E-21
2996.89	8.44E-21
2997.37	8.3E-21
2997.85	8.16E-21
2998.33	8.04E-21
2998.81	8E-21
2999.3	8.06E-21
2999.78	8.14E-21
3000.26	8.25E-21
3000.74	8.43E-21
3001.22	8.57E-21
3001.71	8.65E-21

3002.19	8.75E-21
3002.67	8.77E-21
3003.15	8.76E-21
3003.64	8.72E-21
3004.12	8.66E-21
3004.6	8.61E-21
3005.08	8.58E-21
3005.56	8.64E-21
3006.05	8.74E-21
3006.53	8.85E-21
3007.01	9.02E-21
3007.49	9.24E-21
3007.97	9.46E-21
3008.46	9.71E-21
3008.94	9.96E-21
3009.42	1.01E-20
3009.9	1.03E-20
3010.39	1.04E-20
3010.87	1.05E-20
3011.35	1.06E-20
3011.83	1.07E-20
3012.31	1.08E-20
3012.8	1.09E-20
3013.28	1.1E-20
3013.76	1.11E-20
3014.24	1.13E-20
3014.72	1.16E-20
3015.21	1.18E-20
3015.69	1.2E-20
3016.17	1.21E-20
3016.65	1.21E-20
3017.13	1.2E-20
3017.62	1.19E-20
3018.1	1.17E-20
3018.58	1.15E-20
3019.06	1.11E-20
3019.55	1.09E-20
3020.03	1.07E-20
3020.51	1.07E-20
3020.99	1.09E-20
3021.47	1.11E-20
3021.96	1.13E-20
3022.44	1.15E-20
3022.92	1.17E-20
3023.4	1.22E-20
3023.88	1.26E-20
3024.37	1.28E-20
3024.85	1.29E-20
3025.33	1.28E-20
3025.81	1.25E-20
3026.3	1.21E-20
3026.78	1.17E-20
3027.26	1.13E-20
3027.74	1.09E-20
3028.22	1.06E-20
3028.7	1.05E-20

3029.19	1.05E-20
3029.67	1.06E-20
3030.15	1.1E-20
3030.63	1.15E-20
3031.12	1.2E-20
3031.6	1.22E-20
3032.08	1.23E-20
3032.56	1.25E-20
3033.04	1.25E-20
3033.53	1.24E-20
3034.01	1.22E-20
3034.49	1.19E-20
3034.97	1.16E-20
3035.45	1.13E-20
3035.94	1.1E-20
3036.42	1.08E-20
3036.9	1.06E-20
3037.38	1.03E-20
3037.86	1E-20
3038.35	9.79E-21
3038.83	9.55E-21
3039.31	9.21E-21
3039.79	8.83E-21
3040.28	8.48E-21
3040.76	8.13E-21
3041.24	7.87E-21
3041.72	7.75E-21
3042.2	7.69E-21
3042.69	7.66E-21
3043.17	7.61E-21
3043.65	7.47E-21
3044.13	7.29E-21
3044.61	7.06E-21
3045.1	6.85E-21
3045.58	6.71E-21
3046.06	6.59E-21
3046.54	6.48E-21
3047.03	6.39E-21
3047.51	6.33E-21
3047.99	6.34E-21
3048.47	6.28E-21
3048.95	6.23E-21
3049.44	6.23E-21
3049.92	6.18E-21
3050.4	6.08E-21
3050.88	6.05E-21
3051.36	6.07E-21
3051.85	6.11E-21
3052.33	6.26E-21
3052.81	6.43E-21
3053.29	6.52E-21
3053.78	6.61E-21
3054.26	6.67E-21
3054.74	6.72E-21
3055.22	6.77E-21
3055.7	6.82E-21

3056.19	6.85E-21
3056.67	6.87E-21
3057.15	6.8E-21
3057.63	6.66E-21
3058.11	6.54E-21
3058.6	6.54E-21
3059.08	6.61E-21
3059.56	6.64E-21
3060.04	6.62E-21
3060.53	6.61E-21
3061.01	6.55E-21
3061.49	6.36E-21
3061.97	6.21E-21
3062.45	6.16E-21
3062.94	6.12E-21
3063.42	6.15E-21
3063.9	6.19E-21
3064.38	6.24E-21
3064.86	6.29E-21
3065.35	6.35E-21
3065.83	6.42E-21
3066.31	6.47E-21
3066.79	6.46E-21
3067.28	6.44E-21
3067.76	6.42E-21
3068.24	6.42E-21
3068.72	6.47E-21
3069.2	6.59E-21
3069.69	6.68E-21
3070.17	6.81E-21
3070.65	6.89E-21
3071.13	6.77E-21
3071.61	6.56E-21
3072.1	6.36E-21
3072.58	6.17E-21
3073.06	6.02E-21
3073.54	5.96E-21
3074.03	5.98E-21
3074.51	6.04E-21
3074.99	6.06E-21
3075.47	6.11E-21
3075.95	6.15E-21
3076.44	6.18E-21
3076.92	6.22E-21
3077.4	6.19E-21
3077.88	6.07E-21
3078.36	5.9E-21
3078.85	5.78E-21
3079.33	5.68E-21
3079.81	5.62E-21
3080.29	5.61E-21
3080.78	5.51E-21
3081.26	5.39E-21
3081.74	5.3E-21
3082.22	5.27E-21
3082.7	5.29E-21

3083.18	5.25E-21
3083.67	5.14E-21
3084.15	4.99E-21
3084.63	4.81E-21
3085.11	4.61E-21
3085.6	4.44E-21
3086.08	4.32E-21
3086.56	4.26E-21
3087.04	4.26E-21
3087.52	4.28E-21
3088.01	4.29E-21
3088.49	4.3E-21
3088.97	4.29E-21
3089.45	4.24E-21
3089.93	4.22E-21
3090.42	4.11E-21
3090.9	4.01E-21
3091.38	3.93E-21
3091.86	3.88E-21
3092.35	3.85E-21
3092.83	3.76E-21
3093.31	3.68E-21
3093.79	3.61E-21
3094.27	3.52E-21
3094.76	3.4E-21
3095.24	3.27E-21
3095.72	3.16E-21
3096.2	3.05E-21
3096.68	3E-21
3097.17	3.05E-21
3097.65	3.13E-21
3098.13	3.18E-21
3098.61	3.21E-21
3099.09	3.25E-21
3099.58	3.25E-21
3100.06	3.25E-21
3100.54	3.3E-21
3101.02	3.34E-21
3101.51	3.35E-21
3101.99	3.27E-21
3102.47	3.1E-21
3102.95	2.97E-21
3103.43	2.84E-21
3103.92	2.76E-21
3104.4	2.7E-21
3104.88	2.59E-21
3105.36	2.45E-21
3105.84	2.28E-21
3106.33	2.14E-21
3106.81	2.04E-21
3107.29	1.98E-21
3107.77	1.92E-21
3108.26	1.91E-21
3108.74	1.92E-21
3109.22	1.95E-21
3109.7	2.07E-21

3110.18	2.23E-21
3110.67	2.41E-21
3111.15	2.6E-21
3111.63	2.62E-21
3112.11	2.51E-21
3112.59	2.28E-21
3113.08	2.01E-21
3113.56	1.78E-21
3114.04	1.59E-21
3114.52	1.49E-21
3115.01	1.44E-21
3115.49	1.46E-21
3115.97	1.47E-21
3116.45	1.49E-21
3116.93	1.56E-21
3117.42	1.65E-21
3117.9	1.7E-21
3118.38	1.68E-21
3118.86	1.59E-21
3119.34	1.48E-21
3119.83	1.33E-21
3120.31	1.2E-21
3120.79	1.14E-21
3121.27	1.05E-21
3121.76	9.6E-22
3122.24	8.86E-22
3122.72	8.29E-22
3123.2	7.21E-22
3123.68	5.92E-22
3124.17	4.89E-22
3124.65	4.8E-22
3125.13	5.41E-22
3125.61	5.73E-22
3126.09	5.01E-22
3126.58	4.18E-22
3127.06	4.16E-22
3127.54	5.05E-22
3128.02	5.67E-22
3128.51	5.94E-22
3128.99	7.27E-22
3129.47	8.9E-22
3129.95	9.46E-22
3130.43	9.54E-22
3130.92	8.54E-22
3131.4	6.69E-22
3131.88	5.42E-22
3132.36	4.65E-22
3132.84	4.33E-22
3133.33	4.41E-22
3133.81	5.01E-22
3134.29	6.55E-22
3134.77	7.89E-22
3135.26	8.68E-22
3135.74	8.49E-22
3136.22	8.48E-22
3136.7	8.47E-22

3137.18	6.95E-22
3137.66	4.45E-22
3138.15	2.00E-22
3138.63	2.00E-22
3139.11	2.00E-22
3139.59	2.00E-22
3140.08	2.13E-22
3140.56	2.43E-22
3141.04	2.6E-22
3141.52	2.63E-22
3142	2.00E-22
3142.49	2.00E-22
3142.97	2.00E-22
3143.45	2.00E-22
3143.93	2.05E-22
3144.41	2.36E-22
3144.9	2.15E-22
3145.38	2.21E-22
3145.86	3.44E-22
3146.34	4.21E-22
3146.83	3.73E-22
3147.31	3.4E-22
3147.79	3.13E-22
3148.27	3.04E-22
3148.75	2.87E-22
3149.24	2.00E-22
3149.72	2.00E-22
3150.2	2.00E-22
3150.68	2.00E-22
3151.16	2.00E-22
3151.65	2.00E-22
3152.13	2.00E-22
3152.61	2.00E-22
3153.09	2.00E-22
3153.57	2.49E-22
3154.06	3.36E-22
3154.54	3.93E-22
3155.02	4.64E-22
3155.5	5.34E-22
3155.99	5.29E-22
3156.47	4.73E-22
3156.95	4.31E-22
3157.43	4.31E-22
3157.91	4.39E-22
3158.4	3.98E-22
3158.88	3.45E-22
3159.36	2.95E-22
3159.84	2.41E-22
3160.32	2.18E-22
3160.81	2.41E-22
3161.29	2.00E-22
3161.77	2.00E-22
3162.25	2.00E-22
3162.74	2.00E-22
3163.22	2.00E-22
3163.7	2.00E-22

3164.18	2.85E-22
3164.66	4.14E-22
3165.15	5.54E-22
3165.63	6.44E-22
3166.11	6.88E-22
3166.59	7.24E-22
3167.07	6.95E-22
3167.56	5.37E-22
3168.04	3.07E-22
3168.52	2.00E-22
3169	0
3169.49	0
3169.97	0
3170.45	0
3170.93	0
3171.41	0
3171.9	0
3172.38	2.00E-22
3172.86	2.37E-22
3173.34	3.72E-22
3173.82	3.59E-22
3174.31	2.8E-22
3174.79	2.00E-22
3175.27	2.00E-22
3175.75	2.00E-22
3176.24	0
3176.72	0
3177.2	0
3177.68	0
3178.16	0
3178.65	0
3179.13	0
3179.61	0
3180.09	0
3180.57	0
3181.06	0
3181.54	0
3182.02	2.00E-22
3182.5	2.34E-22
3182.99	2.39E-22
3183.47	2.00E-22
3183.95	0
3184.43	0
3184.91	0
3185.4	0
3185.88	0
3186.36	0
3186.84	0
3187.32	0
3187.81	0
3188.29	0
3188.77	0
3189.25	0
3189.74	0
3190.22	1.45E-22
3190.7	1.25E-22

3191.18	2.00E-22
3191.66	2.00E-22
3192.14	2.00E-22
3192.63	2.00E-22
3193.11	2.00E-22
3193.59	0
3194.07	0
3194.56	0
3195.04	0
3195.52	0
3196	0
3196.48	0
3196.97	0
3197.45	0
3197.93	0
3198.41	0
3198.89	0
3199.38	0
3199.86	0
3200.34	0
3200.82	0
3201.31	0
3201.79	0
3202.27	0
3202.75	0
3203.23	0
3203.72	0
3204.2	0
3204.68	0
3205.16	0
3205.64	0
3206.13	0
3206.61	0
3207.09	0
3207.57	0
3208.05	0
3208.54	0
3209.02	0
3209.5	0
3209.98	0
3210.47	0
3210.95	0
3211.43	0
3211.91	0
3212.39	0
3212.88	0
3213.36	0
3213.84	0
3214.32	0
3214.8	0
3215.29	0
3215.77	0
3216.25	0
3216.73	0
3217.22	0
3217.7	0

3218.18	0
3218.66	0
3219.14	0
3219.63	0
3220.11	0
3220.59	0
3221.07	0
3221.55	0
3222.04	0
3222.52	0
3223	0
3223.48	0
3223.97	0
3224.45	0
3224.93	0
3225.41	0
3225.89	0
3226.38	0
3226.86	0
3227.34	0
3227.82	0
3228.3	0
3228.79	0
3229.27	0
3229.75	0
3230.23	0
3230.72	0
3231.2	0
3231.68	0
3232.16	0
3232.64	0
3233.13	0
3233.61	0
3234.09	0
3234.57	0
3235.05	0
3235.54	0
3236.02	0
3236.5	0
3236.98	0
3237.47	0
3237.95	0
3238.43	0
3238.91	0
3239.39	0
3239.88	0
3240.36	0
3240.84	0
3241.32	0
3241.8	0
3242.29	0
3242.77	0
3243.25	0
3243.73	0
3244.22	0
3244.7	0

3245.18	0
3245.66	0
3246.14	0
3246.62	0
3247.11	0
3247.59	0
3248.07	0
3248.55	0
3249.04	0
3249.52	0
3250	0
3250.48	0
3250.97	0
3251.45	0
3251.93	0
3252.41	0
3252.89	0
3253.38	0
3253.86	0
3254.34	0
3254.82	0
3255.3	0
3255.79	0
3256.27	0
3256.75	0
3257.23	0
3257.71	0
3258.2	0
3258.68	0
3259.16	0
3259.64	0
3260.12	0
3260.61	0
3261.09	0
3261.57	0
3262.05	0
3262.54	0
3263.02	0
3263.5	0
3263.98	0
3264.46	0
3264.95	0
3265.43	0
3265.91	0
3266.39	0
3266.88	0
3267.36	0
3267.84	0
3268.32	0
3268.8	0
3269.28	0
3269.77	0
3270.25	0
3270.73	0
3271.21	0
3271.7	0

3272.18	0
3272.66	0
3273.14	0
3273.62	0
3274.11	0
3274.59	0
3275.07	0
3275.55	0
3276.03	0
3276.52	0
3277	0
3277.48	0
3277.96	0
3278.45	0
3278.93	0
3279.41	0
3279.89	0
3280.37	0
3280.86	0
3281.34	0
3281.82	0
3282.3	0
3282.78	0
3283.27	0
3283.75	0
3284.23	0
3284.71	0
3285.2	0
3285.68	0
3286.16	0
3286.64	0
3287.12	0
3287.61	0
3288.09	0
3288.57	0
3289.05	0
3289.53	0
3290.02	0
3290.5	0
3290.98	0
3291.46	0
3291.95	0
3292.43	0
3292.91	0
3293.39	0
3293.87	0
3294.36	0
3294.84	0
3295.32	0
3295.8	0
3296.28	0
3296.77	0
3297.25	0
3297.73	0
3298.21	0
3298.7	0

3299.18	0
3299.66	0
3300.14	0
3300.62	0
3301.11	0
3301.59	0
3302.07	0
3302.55	0
3303.03	0
3303.52	0
3304	0
3304.48	0
3304.96	0
3305.45	0
3305.93	0
3306.41	0
3306.89	0
3307.37	0
3307.86	0
3308.34	0
3308.82	0
3309.3	0
3309.78	0
3310.27	0
3310.75	0
3311.23	0
3311.71	0
3312.19	0
3312.68	0
3313.16	0
3313.64	0
3314.12	0
3314.61	0
3315.09	0
3315.57	0
3316.05	0
3316.53	0
3317.02	0
3317.5	0
3317.98	0
3318.46	0
3318.94	0
3319.43	0
3319.91	0
3320.39	0
3320.87	0
3321.36	0
3321.84	0
3322.32	0
3322.8	0
3323.28	0
3323.76	0
3324.25	0
3324.73	0
3325.21	0
3325.69	0

3326.18	0
3326.66	0
3327.14	0
3327.62	0
3328.1	0
3328.59	0
3329.07	0
3329.55	0
3330.03	0
3330.51	0
3331	0
3331.48	0
3331.96	0
3332.44	0
3332.93	0
3333.41	0
3333.89	0
3334.37	0
3334.85	0
3335.34	0
3335.82	0
3336.3	0
3336.78	0
3337.26	0
3337.75	0
3338.23	0
3338.71	0
3339.19	0
3339.68	0
3340.16	0
3340.64	0
3341.12	0
3341.6	0
3342.09	0
3342.57	0
3343.05	0
3343.53	0
3344.01	0
3344.5	0
3344.98	0
3345.46	0
3345.94	0
3346.43	0
3346.91	0
3347.39	0
3347.87	0
3348.35	0
3348.84	0
3349.32	0
3349.8	0
3350.28	0
3350.76	0
3351.25	0
3351.73	0
3352.21	0
3352.69	0

3353.18	0
3353.66	0
3354.14	0
3354.62	0
3355.1	0
3355.59	0
3356.07	0
3356.55	0
3357.03	0
3357.51	0
3358	0
3358.48	0
3358.96	0
3359.44	0
3359.93	0
3360.41	0
3360.89	0
3361.37	0
3361.85	0
3362.34	0
3362.82	0
3363.3	0
3363.78	0
3364.26	0
3364.75	0
3365.23	0
3365.71	0
3366.19	0
3366.67	0
3367.16	0
3367.64	0
3368.12	0
3368.6	0
3369.09	0
3369.57	0
3370.05	0
3370.53	0
3371.01	0
3371.5	0
3371.98	0
3372.46	0
3372.94	0
3373.42	0
3373.91	0
3374.39	0
3374.87	0
3375.35	0
3375.84	0
3376.32	0
3376.8	0
3377.28	0
3377.76	0
3378.24	0
3378.73	0
3379.21	0
3379.69	0

3380.17	0
3380.66	0
3381.14	0
3381.62	0
3382.1	0
3382.58	0
3383.07	0
3383.55	0
3384.03	0
3384.51	0
3384.99	0
3385.48	2.00E-22
3385.96	2.00E-22
3386.44	2.05E-22
3386.92	2.25E-22
3387.41	2.14E-22
3387.89	2.14E-22
3388.37	2.00E-22
3388.85	2.00E-22
3389.33	0
3389.82	0
3390.3	0
3390.78	0
3391.26	0
3391.74	0
3392.23	2.00E-22
3392.71	2.00E-22
3393.19	3.14E-22
3393.67	3.82E-22
3394.16	3.48E-22
3394.64	2.75E-22
3395.12	2.00E-22
3395.6	0
3396.08	0
3396.57	0
3397.05	0
3397.53	0
3398.01	0
3398.49	0
3398.98	2.00E-22
3399.46	2.62E-22
3399.94	3.03E-22
3400.42	3.12E-22
3400.91	3.96E-22
3401.39	4.84E-22
3401.87	5.18E-22
3402.35	5.62E-22
3402.83	5.92E-22
3403.32	5.83E-22
3403.8	6.23E-22
3404.28	7.29E-22
3404.76	8.03E-22
3405.24	8.56E-22
3405.73	9.42E-22
3406.21	1.12E-21
3406.69	1.32E-21

3407.17	1.42E-21
3407.66	1.47E-21
3408.14	1.63E-21
3408.62	1.88E-21
3409.1	2.04E-21
3409.58	1.93E-21
3410.07	1.81E-21
3410.55	1.87E-21
3411.03	1.97E-21
3411.51	2.07E-21
3411.99	2.21E-21
3412.48	2.32E-21
3412.96	2.37E-21
3413.44	2.46E-21
3413.92	2.72E-21
3414.41	2.99E-21
3414.89	3.14E-21
3415.37	3.29E-21
3415.85	3.5E-21
3416.33	3.71E-21
3416.82	3.86E-21
3417.3	4.03E-21
3417.78	4.2E-21
3418.26	4.44E-21
3418.74	4.73E-21
3419.23	4.91E-21
3419.71	5.14E-21
3420.19	5.43E-21
3420.67	5.66E-21
3421.16	5.92E-21
3421.64	6.21E-21
3422.12	6.42E-21
3422.6	6.56E-21
3423.08	6.72E-21
3423.57	7.03E-21
3424.05	7.33E-21
3424.53	7.6E-21
3425.01	7.89E-21
3425.49	8.17E-21
3425.98	8.54E-21
3426.46	8.99E-21
3426.94	9.45E-21
3427.42	9.84E-21
3427.9	1.03E-20
3428.39	1.08E-20
3428.87	1.13E-20
3429.35	1.17E-20
3429.83	1.21E-20
3430.32	1.25E-20
3430.8	1.29E-20
3431.28	1.34E-20
3431.76	1.38E-20
3432.24	1.41E-20
3432.72	1.46E-20
3433.21	1.52E-20
3433.69	1.58E-20

3434.17	1.64E-20
3434.65	1.69E-20
3435.14	1.72E-20
3435.62	1.78E-20
3436.1	1.83E-20
3436.58	1.89E-20
3437.06	1.94E-20
3437.55	2E-20
3438.03	2.05E-20
3438.51	2.11E-20
3438.99	2.16E-20
3439.47	2.19E-20
3439.96	2.21E-20
3440.44	2.23E-20
3440.92	2.24E-20
3441.4	2.25E-20
3441.89	2.24E-20
3442.37	2.23E-20
3442.85	2.23E-20
3443.33	2.25E-20
3443.81	2.27E-20
3444.3	2.29E-20
3444.78	2.3E-20
3445.26	2.3E-20
3445.74	2.29E-20
3446.22	2.28E-20
3446.71	2.28E-20
3447.19	2.26E-20
3447.67	2.23E-20
3448.15	2.22E-20
3448.64	2.2E-20
3449.12	2.19E-20
3449.6	2.19E-20
3450.08	2.2E-20
3450.56	2.23E-20
3451.05	2.26E-20
3451.53	2.29E-20
3452.01	2.29E-20
3452.49	2.27E-20
3452.97	2.25E-20
3453.46	2.22E-20
3453.94	2.2E-20
3454.42	2.17E-20
3454.9	2.14E-20
3455.39	2.12E-20
3455.87	2.11E-20
3456.35	2.1E-20
3456.83	2.1E-20
3457.31	2.1E-20
3457.8	2.11E-20
3458.28	2.11E-20
3458.76	2.1E-20
3459.24	2.08E-20
3459.72	2.07E-20
3460.21	2.04E-20
3460.69	2.01E-20

3461.17	1.98E-20
3461.65	1.93E-20
3462.14	1.85E-20
3462.62	1.76E-20
3463.1	1.67E-20
3463.58	1.58E-20
3464.06	1.5E-20
3464.55	1.41E-20
3465.03	1.32E-20
3465.51	1.22E-20
3465.99	1.13E-20
3466.47	1.04E-20
3466.96	9.6E-21
3467.44	8.91E-21
3467.92	8.24E-21
3468.4	7.59E-21
3468.89	6.97E-21
3469.37	6.33E-21
3469.85	5.61E-21
3470.33	4.97E-21
3470.81	4.55E-21
3471.3	4.2E-21
3471.78	3.78E-21
3472.26	3.34E-21
3472.74	3.05E-21
3473.22	2.99E-21
3473.71	2.98E-21
3474.19	2.96E-21
3474.67	2.94E-21
3475.15	2.8E-21
3475.64	2.48E-21
3476.12	2.15E-21
3476.6	1.81E-21
3477.08	1.48E-21
3477.56	1.18E-21
3478.05	1.03E-21
3478.53	1.02E-21
3479.01	9.71E-22
3479.49	8.4E-22
3479.97	7.23E-22
3480.46	7.23E-22
3480.94	7.58E-22
3481.42	7.28E-22
3481.9	6.86E-22
3482.38	7.47E-22
3482.87	9.43E-22
3483.35	1.12E-21
3483.83	1.21E-21
3484.31	1.42E-21
3484.8	1.6E-21
3485.28	1.56E-21
3485.76	1.39E-21
3486.24	1.09E-21
3486.72	8.08E-22
3487.21	6.12E-22
3487.69	5.2E-22

3488.17	5.26E-22
3488.65	6.09E-22
3489.13	7.03E-22
3489.62	7.7E-22
3490.1	8.73E-22
3490.58	9.83E-22
3491.06	1.05E-21
3491.55	1.05E-21
3492.03	8.93E-22
3492.51	6.78E-22
3492.99	4.38E-22
3493.47	2.43E-22
3493.95	2.00E-22
3494.44	2.22E-22
3494.92	2.88E-22
3495.4	3.47E-22
3495.88	4.05E-22
3496.37	5.65E-22
3496.85	7.29E-22
3497.33	7.65E-22
3497.81	6.84E-22
3498.29	6.11E-22
3498.78	5.83E-22
3499.26	5.2E-22
3499.74	4.41E-22
3500.22	3.29E-22
3500.7	2.03E-22
3501.19	2.00E-22
3501.67	2.00E-22
3502.15	2.00E-22
3502.63	2.00E-22
3503.11	2.00E-22
3503.6	2.55E-22
3504.08	3.27E-22
3504.56	3.67E-22
3505.04	3.27E-22
3505.53	2.8E-22
3506.01	2.86E-22

