

## K E R O G E N   A N A L Y S I S

F O R

THE CLEVELAND CLIFFS IRON COMPANY-WELL X-9

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
751	2.585	0.0	0.0	2.523	3.5	3.5	1.7	1.7
752	2.595	0.0	0.0	2.510	4.9	8.4	2.5	4.2
753	2.600	0.0	0.0	2.502	5.8	14.3	2.9	7.1
754	2.575	0.0	0.0	2.530	2.7	17.0	1.4	8.5
755	2.570	0.0	0.0	2.501	6.0	22.9	3.0	11.5
756	2.575	0.0	0.0	2.468	9.6	32.5	4.8	16.3
757	2.560	0.0	0.0	2.435	13.2	45.7	6.6	22.9
758	2.565	0.0	0.0	2.419	14.9	60.6	7.5	30.3
759	2.555	0.0	0.0	2.423	14.5	75.1	7.2	37.6
760	2.545	1.0	1.0	2.423	14.5	89.6	7.8	45.3
761	2.555	0.0	1.0	2.423	14.5	104.1	7.2	52.6
762	2.550	0.4	1.5	2.402	16.7	120.9	8.6	61.2
763	2.550	0.4	1.9	2.407	16.2	137.1	8.3	69.5
764	2.525	3.3	5.2	2.382	18.9	155.9	11.1	80.6
765	2.480	8.3	13.5	2.353	21.9	177.8	15.1	95.7
766	2.465	9.9	23.4	2.321	25.3	203.1	17.6	113.2
767	2.460	10.5	33.9	2.291	28.3	231.4	19.4	132.7
768	2.420	14.8	48.7	2.281	29.3	260.8	22.1	154.7
769	2.390	18.0	66.7	2.262	31.3	292.0	24.6	179.4
770	2.415	15.3	82.0	2.248	32.7	324.7	24.0	203.4
771	2.425	14.3	96.3	2.276	29.8	354.5	22.0	225.4
772	2.450	11.6	107.9	2.306	26.7	381.3	19.2	244.6
773	2.510	4.9	112.8	2.345	22.8	404.0	13.9	258.4
774	2.545	1.0	113.8	2.383	18.8	422.8	9.9	268.3
775	2.590	0.0	113.8	2.408	16.1	438.9	8.0	276.4
776	2.590	0.0	113.8	2.424	14.4	453.3	7.2	283.5
777	2.590	0.0	113.8	2.449	11.7	464.9	5.8	289.4
778	2.560	0.0	113.8	2.453	11.2	476.2	5.6	295.0
779	2.590	0.0	113.8	2.424	14.4	490.5	7.2	302.2
780	2.565	0.0	113.8	2.428	13.9	504.5	7.0	309.2
781	2.515	4.4	118.2	2.424	14.4	518.9	9.4	318.6
782	2.460	10.5	128.7	2.420	14.8	533.7	12.6	331.2
783	2.540	1.6	130.3	2.420	14.8	548.5	8.2	339.4
784	2.615	0.0	130.3	2.445	12.1	560.6	6.1	345.4
785	2.645	0.0	130.3	2.461	10.4	571.0	5.2	350.6
786	2.640	0.0	130.3	2.457	10.8	581.8	5.4	356.0
787	2.630	0.0	130.3	2.449	11.7	593.4	5.8	361.9
788	2.605	0.0	130.3	2.441	12.5	606.0	6.3	368.1
789	2.635	0.0	130.3	2.473	9.0	615.0	4.5	372.7
790	2.630	0.0	130.3	2.481	8.2	623.2	4.1	376.7
791	2.600	0.0	130.3	2.448	11.8	635.0	5.9	382.6
792	2.600	0.0	130.3	2.444	12.2	647.2	6.1	388.7
793	2.595	0.0	130.3	2.432	13.5	660.7	6.8	395.5
794	2.570	0.0	130.3	2.436	13.1	673.8	6.5	402.0
795	2.500	6.1	136.3	2.435	13.2	687.0	9.6	411.7
796	2.570	0.0	136.3	2.407	16.2	703.2	8.1	419.8
797	2.605	0.0	136.3	2.411	15.8	719.0	7.9	427.7
798	2.595	0.0	136.3	2.457	10.8	729.8	5.4	432.1
799	2.600	0.0	136.3	2.411	15.8	745.5	7.9	440.0
800	2.615	0.0	136.3	2.419	14.9	760.5	7.5	447.5

## K E R O G E N   A N A L Y S I S

FOR

THE CLEVELAND CLIFFS IRON COMPANY-BELL X-9

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
801	2.595	0.0	136.3	2.436	13.1	773.5	6.5	454.9
802	2.560	0.0	136.3	2.432	13.5	787.1	6.8	461.7
803	2.570	0.0	136.3	2.436	13.1	800.1	6.5	468.2
804	2.645	0.0	136.3	2.452	11.3	811.5	5.7	473.9
805	2.655	0.0	136.3	2.460	10.5	822.0	5.2	479.2
806	2.625	0.0	136.3	2.472	9.2	831.1	4.6	483.7
807	2.605	0.0	136.3	2.439	12.8	843.9	6.4	490.1
808	2.525	3.3	139.6	2.440	12.7	856.5	8.0	498.1
809	2.480	8.3	147.9	2.410	15.9	872.4	12.1	510.1
810	2.580	0.0	147.9	2.385	18.5	891.0	9.3	519.4
811	2.590	0.0	147.9	2.401	16.8	907.8	8.4	527.8
812	2.515	4.4	152.3	2.401	16.8	924.7	10.6	538.5
813	2.485	7.7	160.0	2.388	18.2	942.9	13.0	551.4
814	2.445	12.1	172.1	2.367	20.5	963.3	16.3	567.7
815	2.375	19.6	191.7	2.411	15.8	979.1	17.7	585.4
816	2.535	2.1	193.9	2.436	13.1	992.2	7.6	593.0
817	2.630	0.0	193.9	2.468	9.6	1001.8	4.8	597.8
818	2.670	0.0	193.9	2.492	6.9	1008.7	3.5	601.3
819	2.670	0.0	193.9	2.491	7.1	1015.8	3.5	604.8
820	2.630	0.0	193.9	2.474	8.9	1024.7	4.5	609.3
821	2.585	0.0	193.9	2.470	9.4	1034.1	4.7	614.0
822	2.560	0.0	193.9	2.469	9.5	1043.6	4.7	618.7
823	2.560	0.0	193.9	2.453	11.2	1054.8	5.6	624.3
824	2.565	0.0	193.9	2.416	15.2	1070.1	7.6	632.0
825	2.545	1.0	194.9	2.375	19.6	1089.7	10.3	642.3
826	2.505	5.5	200.4	2.358	21.4	1111.1	13.5	655.7
827	2.450	11.6	211.9	2.353	21.9	1133.0	16.7	672.5
828	2.485	7.7	219.7	2.358	21.4	1154.4	14.6	687.0
829	2.590	0.0	219.7	2.419	14.9	1169.3	7.5	694.5
830	2.630	0.0	219.7	2.444	12.2	1181.5	6.1	700.6
831	2.650	0.0	219.7	2.423	14.5	1196.0	7.2	707.8
832	2.610	0.0	219.7	2.436	13.1	1209.1	6.5	714.4
833	2.545	1.0	220.7	2.436	13.1	1222.2	7.0	721.4
834	2.490	7.2	227.9	2.432	13.5	1235.7	10.3	731.8
835	2.540	1.6	229.4	2.436	13.1	1248.8	7.3	739.1
836	2.585	0.0	229.4	2.444	12.2	1261.0	6.1	745.2
837	2.560	0.0	229.4	2.452	11.3	1272.3	5.7	750.9
838	2.525	3.3	232.7	2.452	11.3	1283.6	7.3	758.2
839	2.515	4.4	237.1	2.456	10.9	1294.8	7.6	765.8
840	2.560	0.0	237.1	2.469	9.5	1304.1	4.7	770.6
841	2.600	0.0	237.1	2.485	7.7	1311.8	3.9	774.5
842	2.610	0.0	237.1	2.493	6.8	1318.7	3.4	777.9
843	2.620	0.0	237.1	2.469	9.5	1328.1	4.7	782.6
844	2.605	0.0	237.1	2.460	10.5	1338.6	5.2	787.9
845	2.580	0.0	237.1	2.465	9.9	1348.5	5.0	792.8
846	2.540	1.6	238.7	2.460	10.5	1359.0	6.0	798.8
847	2.530	2.7	241.4	2.469	9.5	1368.5	6.1	804.9
848	2.615	0.0	241.4	2.481	8.2	1376.7	4.1	809.0
849	2.650	0.0	241.4	2.502	5.8	1382.5	2.9	811.0
850	2.650	0.0	241.4	2.518	4.1	1386.6	2.0	811.0

## K E R O G E N   A N A L Y S I S

FOR

THE CLEVELAND CLIFFS IRON COMPANY-KELL X-9

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
851	2.640	0.0	241.4	2.514	4.5	1391.1	2.3	816.2
852	2.625	0.0	241.4	2.510	4.9	1396.0	2.5	818.7
853	2.635	0.0	241.4	2.502	5.8	1401.8	2.9	821.6
854	2.620	0.0	241.4	2.522	3.6	1405.4	1.8	823.4
855	2.620	0.0	241.4	2.518	4.1	1409.5	2.0	825.4
856	2.615	0.0	241.4	2.502	5.8	1415.3	2.9	828.4
857	2.620	0.0	241.4	2.506	5.4	1420.7	2.7	831.1
858	2.615	0.0	241.4	2.510	4.9	1425.7	2.5	833.5
859	2.610	0.0	241.4	2.489	7.3	1433.0	3.6	837.2
860	2.620	0.0	241.4	2.477	8.6	1441.6	4.3	841.5
861	2.600	0.0	241.4	2.485	7.7	1449.3	3.9	845.3
862	2.575	0.0	241.4	2.498	6.3	1455.6	3.1	848.5
863	2.620	0.0	241.4	2.502	5.8	1461.4	2.9	851.4
864	2.660	0.0	241.4	2.498	6.3	1467.7	3.1	854.5
865	2.675	0.0	241.4	2.510	4.9	1472.7	2.5	857.0
866	2.670	0.0	241.4	2.506	5.4	1478.0	2.7	859.7
867	2.625	0.0	241.4	2.506	5.4	1483.4	2.7	862.4
868	2.590	0.0	241.4	2.498	6.3	1489.7	3.1	865.6
869	2.620	0.0	241.4	2.481	8.2	1497.9	4.1	869.6
870	2.640	0.0	241.4	2.481	8.2	1506.1	4.1	873.7
871	2.630	0.0	241.4	2.498	6.3	1512.3	3.1	876.9
872	2.590	0.0	241.4	2.514	4.5	1516.8	2.3	879.1
873	2.540	1.6	243.0	2.506	5.4	1522.2	3.5	882.6
874	2.480	8.3	251.2	2.485	7.7	1530.0	8.0	890.6
875	2.510	4.9	256.2	2.489	7.3	1537.2	6.1	896.7
876	2.560	0.0	256.2	2.502	5.8	1543.1	2.9	899.6
877	2.585	0.0	256.2	2.502	5.8	1548.9	2.9	902.6
878	2.575	0.0	256.2	2.477	8.6	1557.5	4.3	906.9
879	2.555	0.0	256.2	2.465	9.9	1567.5	5.0	911.8
880	2.540	1.6	257.8	2.456	10.9	1578.4	6.2	918.1
881	2.530	2.7	260.5	2.465	9.9	1588.3	6.3	924.4
882	2.545	1.0	261.5	2.477	8.6	1596.9	4.8	929.2
883	2.615	0.0	261.5	2.502	5.8	1602.7	2.9	932.1
884	2.640	0.0	261.5	2.518	4.1	1606.4	2.0	934.1
885	2.655	0.0	261.5	2.522	3.6	1610.4	1.8	935.9
886	2.625	0.0	261.5	2.518	4.1	1614.4	2.0	938.0
887	2.605	0.0	261.5	2.514	4.5	1618.4	2.3	940.2
888	2.640	0.0	261.5	2.510	4.9	1623.4	2.5	942.7
889	2.655	0.0	261.5	2.518	4.1	1627.9	2.0	944.7
890	2.665	0.0	261.5	2.518	4.1	1632.0	2.0	946.7
891	2.650	0.0	261.5	2.510	4.9	1637.0	2.5	949.2
892	2.620	0.0	261.5	2.489	7.3	1644.2	3.6	952.9
893	2.595	0.0	261.5	2.485	7.7	1652.0	3.9	956.7
894	2.560	0.0	261.5	2.489	7.3	1659.2	3.6	960.4
895	2.560	0.0	261.5	2.489	7.3	1666.5	3.6	964.0
896	2.550	0.4	261.5	2.460	10.5	1677.0	5.5	969.5
897	2.475	8.8	270.8	2.419	14.9	1691.9	11.9	981.3
898	2.425	14.3	285.0	2.423	14.5	1706.4	14.4	995.7
899	2.390	22.2	307.3	2.419	14.9	1721.3	18.6	1011.1
900	2.340	27.7	319.5	2.403	16.6	1738.0	14.6	1027.1

## K E R O G E N   A N A L Y S I S

FOR

THE CLEVELAND CLIFFS IRON COMPANY-BELL X-9

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
901	2.530	2.7	322.6	2.432	13.5	1751.5	8.1	1037.0
902	2.530	2.7	325.3	2.415	15.3	1766.8	9.0	1046.1
903	2.490	7.2	332.5	2.403	16.6	1783.4	11.9	1058.0
904	2.460	10.5	343.0	2.403	16.6	1800.1	13.6	1071.5
905	2.400	17.0	359.9	2.358	21.4	1821.5	19.2	1090.7
906	2.355	21.7	381.7	2.322	25.1	1846.6	23.4	1114.1
907	2.455	11.0	392.7	2.358	21.4	1868.0	16.2	1130.3
908	2.470	9.4	402.0	2.395	17.5	1885.5	13.4	1143.8
909	2.425	14.3	416.3	2.432	13.5	1899.0	13.9	1157.7
910	2.570	0.0	416.3	2.473	9.0	1908.1	4.5	1162.2
911	2.640	0.0	416.3	2.514	4.5	1912.6	2.3	1164.4
912	2.620	0.0	416.3	2.555	0.0	1912.6	0.0	1164.4
913	2.595	0.0	416.3	2.555	0.0	1912.6	0.0	1164.4
914	2.575	0.0	416.3	2.543	1.2	1913.8	0.6	1165.1
915	2.595	0.0	416.3	2.547	0.8	1914.6	0.4	1165.5
916	2.630	0.0	416.3	2.563	0.0	1914.6	0.0	1165.5
917	2.670	0.0	416.3	2.572	0.0	1914.6	0.0	1165.5
918	2.670	0.0	416.3	2.539	1.7	1916.3	0.8	1166.3
919	2.650	0.0	416.3	2.481	8.2	1924.5	4.1	1170.4
920	2.600	0.0	416.3	2.428	13.9	1938.4	7.0	1177.4
921	2.540	1.6	417.9	2.341	23.2	1961.6	12.4	1189.7
922	2.485	7.7	425.6	2.292	28.2	1989.8	18.0	1207.7
923	2.420	14.8	440.4	2.287	28.7	2018.5	21.8	1229.5
924	2.335	23.8	464.2	2.252	32.2	2050.7	28.0	1257.5
925	2.430	13.7	478.0	2.311	26.3	2077.0	20.0	1277.5
926	2.495	6.6	484.6	2.365	20.7	2097.6	13.6	1291.1
927	2.495	6.6	491.2	2.306	26.7	2124.4	16.7	1307.8
928	2.385	18.5	509.7	2.316	25.8	2150.1	22.2	1329.9
929	2.320	25.3	535.1	2.302	27.2	2177.4	26.3	1356.2
930	2.250	32.5	567.6	2.237	33.8	2211.1	33.1	1389.3
931	2.260	31.5	599.0	2.142	43.0	2254.2	37.2	1426.6
932	2.255	32.0	631.0	2.112	45.8	2300.0	38.9	1465.5
933	2.185	38.9	669.8	2.136	43.6	2343.6	41.2	1506.7
934	2.215	35.9	705.8	2.232	34.3	2377.8	35.1	1541.8
935	2.345	22.8	728.5	2.296	27.9	2404.7	25.3	1567.1
936	2.445	12.1	740.6	2.365	20.7	2448.8	16.4	1583.5
937	2.505	5.5	746.1	2.402	16.7	2478.8	11.1	1594.6
938	2.525	3.3	749.4	2.431	13.6	2498.8	8.4	1603.0
939	2.505	5.5	754.5	2.456	10.9	2518.8	8.2	1611.3
940	2.520	3.8	758.7	2.472	9.2	2538.8	6.5	1617.7
941	2.560	0.0	758.7	2.496	6.5	2558.8	3.3	1621.0
942	2.545	1.0	759.8	2.505	5.5	2578.8	3.3	1624.3
943	2.500	6.1	765.8	2.426	14.2	2598.8	10.1	1634.4
944	2.495	6.6	772.4	2.385	18.5	2618.8	12.6	1647.0
945	2.445	12.1	784.5	2.326	24.8	2638.8	18.4	1665.4
946	2.315	25.5	810.4	2.270	30.4	2658.8	28.1	1693.5
947	2.215	35.5	846.3	2.198	37.6	2678.8	36.8	1730.3
948	2.260	31.5	877.8	2.135	43.7	2698.8	37.6	1767.9
949	2.260	29.4	906.2	2.192	38.2	2718.8	33.3	1801.2
950	2.205	15.5	943.1	2.122	44.9	2741.1	40.9	1841.1

## K E R O G E N   A N A L Y S I S

F O R

T H E C L E V E L A N D C L I F F S I R O N C O M P A N Y - W E L L X - 9

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
951	2.075	49.3	592.4	1.989	57.1	2798.2	53.2	1895.3
952	2.055	51.1	1043.5	1.901	64.7	2862.8	57.9	1953.2
953	2.020	54.3	1097.8	1.774	75.1	2937.9	64.7	2017.8
954	1.925	62.6	1160.4	1.648	84.6	3022.5	73.6	2091.4
955	1.835	70.1	1230.6	1.578	89.6	3112.1	79.9	2171.3
956	1.810	72.2	1302.7	1.633	85.7	3197.8	78.9	2250.3
957	1.930	62.2	1364.9	1.774	75.1	3272.9	68.6	2318.9
958	2.040	52.5	1417.4	1.909	64.0	3336.9	58.2	2377.1
959	2.060	50.7	1468.1	2.022	54.1	3391.0	52.4	2429.5
960	2.160	41.3	1509.3	2.122	44.9	3435.9	43.1	2472.6
961	2.305	26.9	1536.2	2.209	36.5	3472.4	31.7	2504.3
962	2.300	27.4	1563.6	2.245	32.9	3505.3	30.2	2534.5
963	2.210	36.4	1600.1	2.135	43.7	3549.0	40.1	2574.5
964	2.200	37.4	1637.5	2.050	51.6	3600.7	44.5	2619.1
965	2.140	43.2	1680.7	2.035	52.9	3653.6	48.1	2667.1
966	2.050	51.6	1732.2	2.035	52.9	3706.5	52.2	2719.4
967	2.045	52.0	1784.3	1.976	58.2	3764.7	55.1	2774.5
968	2.155	41.8	1826.0	2.050	51.6	3816.3	46.7	2821.1
969	2.230	34.4	1860.5	2.140	43.2	3859.5	38.8	2860.0
970	2.265	31.0	1891.4	2.236	33.9	3893.4	32.4	2892.4
971	2.245	33.0	1924.4	2.270	30.4	3923.8	31.7	2924.1
972	2.335	23.8	1948.2	2.270	30.4	3954.2	27.1	2951.2
973	2.435	13.2	1961.4	2.270	30.4	3984.6	21.8	2973.0
974	2.415	15.3	1976.7	2.315	25.9	4010.5	20.6	2993.6
975	2.380	19.1	1995.8	2.320	25.4	4035.9	22.2	3015.8
976	2.325	24.8	2020.6	2.320	25.4	4061.2	25.1	3040.9
977	2.380	19.1	2039.7	2.334	23.9	4085.1	21.5	3062.4
978	2.465	9.9	2049.6	2.360	21.2	4106.3	15.6	3078.0
979	2.475	8.8	2058.5	2.393	17.7	4124.0	13.3	3091.2
980	2.460	10.5	2068.9	2.364	20.8	4144.8	15.6	3106.9
981	2.435	13.2	2082.1	2.310	26.4	4171.2	19.8	3126.6
982	2.350	22.2	2104.3	2.260	31.5	4202.7	26.9	3153.5
983	2.275	29.9	2134.3	2.192	38.2	4240.8	34.1	3187.6
984	2.275	29.9	2164.2	2.163	41.0	4281.9	35.5	3223.0
985	2.320	25.3	2189.6	2.181	39.3	4321.7	32.3	3255.4
986	2.315	25.9	2215.4	2.236	33.9	4355.1	29.9	3285.2
987	2.295	27.9	2243.4	2.275	29.9	4385.1	28.9	3314.2
988	2.340	23.3	2266.6	2.320	25.4	4416.1	24.3	3338.5
989	2.420	14.8	2281.4	2.352	22.0	4442.4	18.4	3356.9
990	2.455	11.0	2292.5	2.381	19.0	4451.3	15.0	3371.9
991	2.500	6.1	2298.5	2.401	16.8	4468.2	11.5	3383.4
992	2.510	4.9	2303.5	2.418	15.0	4483.2	10.0	3393.3
993	2.500	6.1	2309.5	2.434	13.3	4496.5	9.7	3403.0
994	2.475	8.8	2318.4	2.450	11.6	4508.1	10.2	3413.2
995	2.495	6.6	2325.0	2.471	9.3	4517.3	7.9	3421.2
996	2.550	0.4	2325.4	2.508	5.2	4522.5	2.8	3424.0
997	2.540	1.6	2327.0	2.520	3.8	4526.3	2.7	3426.7
998	2.555	0.0	2327.0	2.499	6.2	4532.5	3.1	3429.1
999	2.540	1.6	2328.6	2.508	5.2	4537.7	3.4	3432.5
1000	2.525	3.2	2331.9	2.462	10.3	4547.9	6.8	3440.3

## K E R O G E N   A N A L Y S I S

F O R

T H E C L E V E L A N D C L I F F S I R O N C O M P A N Y - W E L L X - 9

DEPTH	D E N S I T Y   L O G			V E L O C I T Y   L O G			D E N S I T Y   A N D   V E L O C I T Y	
	R H O - B	G A L / T O N	A C C U M .   Y I E L D	R H O - B	G A L / T O N	A C C U M .   Y I E L D	G A L / T O N	A C C U M .   Y I E L D
1001	2.500	6.1	2337.9	2.409	16.0	4563.9	11.0	3450.9
1002	2.490	7.2	2345.1	2.438	12.9	4576.8	10.0	3460.9
1003	2.455	11.0	2356.1	2.462	10.3	4587.0	10.6	3471.6
1004	2.390	18.0	2374.1	2.462	10.3	4597.3	14.1	3485.7
1005	2.430	13.7	2387.9	2.404	16.5	4613.8	15.1	3500.8
1006	2.520	3.8	2391.7	2.371	20.0	4633.8	11.9	3512.8
1007	2.495	6.6	2398.3	2.392	17.8	4651.6	12.2	3525.0
1008	2.410	15.9	2414.2	2.408	16.1	4667.7	16.0	3541.0
1009	2.365	20.7	2434.9	2.429	13.8	4681.6	17.3	3558.2
1010	2.465	9.9	2444.8	2.458	10.7	4692.2	10.3	3568.5
1011	2.560	0.0	2444.8	2.470	9.4	4701.6	4.7	3573.2
1012	2.530	2.7	2447.5	2.470	9.4	4711.0	6.0	3579.3
1013	2.520	3.8	2451.3	2.437	13.0	4724.0	8.4	3587.7
1014	2.495	6.6	2457.9	2.449	11.7	4735.6	9.1	3596.8
1015	2.460	10.5	2468.4	2.449	11.7	4747.3	11.1	3607.9
1016	2.340	23.3	2491.7	2.424	14.4	4761.7	18.8	3626.7
1017	2.285	28.9	2520.6	2.412	15.7	4777.4	22.3	3649.0
1018	2.425	14.3	2534.9	2.432	13.5	4790.9	13.9	3662.9
1019	2.520	3.8	2538.7	2.465	9.9	4800.8	6.9	3669.8
1020	2.600	0.0	2538.7	2.506	5.4	4806.2	2.7	3672.5
1021	2.665	0.0	2538.7	2.547	0.8	4807.0	0.4	3672.9
1022	2.675	0.0	2538.7	2.563	0.0	4807.0	0.0	3672.9
1023	2.685	0.0	2538.7	2.572	0.0	4807.0	0.0	3672.9
1024	2.630	0.0	2538.7	2.576	0.0	4807.0	0.0	3672.9
1025	2.660	0.0	2538.7	2.572	0.0	4807.0	0.0	3672.9
1026	2.660	0.0	2538.7	2.547	0.8	4807.8	0.4	3673.3
1027	2.650	0.0	2538.7	2.543	1.2	4809.0	0.6	3673.9
1028	2.635	0.0	2538.7	2.543	1.2	4810.2	0.6	3674.5
1029	2.630	0.0	2538.7	2.555	0.0	4810.2	0.0	3674.5
1030	2.620	0.0	2538.7	2.555	0.0	4810.2	0.0	3674.5
1031	2.605	0.0	2538.7	2.572	0.0	4810.2	0.0	3674.5
1032	2.600	0.0	2538.7	2.572	0.0	4810.2	0.0	3674.5
1033	2.580	0.0	2538.7	2.568	0.0	4810.2	0.0	3674.5
1034	2.555	0.0	2538.7	2.555	0.0	4810.2	0.0	3674.5
1035	2.560	0.0	2538.7	2.551	0.3	4810.6	0.2	3674.7
1036	2.555	0.0	2538.7	2.556	0.0	4810.6	0.0	3674.7
1037	2.560	0.0	2538.7	2.564	0.0	4810.6	0.0	3674.7
1038	2.565	0.0	2538.7	2.568	0.0	4810.6	0.0	3674.7
1039	2.565	0.0	2538.7	2.568	0.0	4810.6	0.0	3674.7
1040	2.570	0.0	2538.7	2.564	0.0	4810.6	0.0	3674.7
1041	2.590	0.0	2538.7	2.564	0.0	4810.6	0.0	3674.7
1042	2.600	0.0	2538.7	2.568	0.0	4810.6	0.0	3674.7
1043	2.600	0.0	2538.7	2.572	0.0	4810.6	0.0	3674.7
1044	2.610	0.0	2538.7	2.580	0.0	4810.6	0.0	3674.7
1045	2.620	0.0	2538.7	2.580	0.0	4810.6	0.0	3674.7
1046	2.610	0.0	2538.7	2.585	0.0	4810.6	0.0	3674.7
1047	2.620	0.0	2538.7	2.580	0.0	4810.6	0.0	3674.7
1048	2.660	0.0	2538.7	2.585	0.0	4810.6	0.0	3674.7
1049	2.660	0.0	2538.7	2.589	0.0	4810.6	0.0	3674.7
1050	2.650	0.0	2538.7	2.593	0.0	4810.6	0.0	3674.7