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Time(s)	Calculated Engine Load V	Engine Coolant Ter	Engine Coolant Te	Short Term F	Long Term	Engine RPM(rpm)	Intake Air Te	Intake Air Te	Mass Air Flow Rate(g/s)	Mass Air Flow Rate(lb/min)	O2 Bank 1 - Sensor 2 - Oxygen Sensor Voltage(V)	Catalyst Ter	Catalyst Te	Catalyst Ter	Catalyst Ter	Control Module Voltage(V)
0	64.7	88	190	0	3.1	1597	20	68	10.01	1.3	0.82	489.8	913.6	489.8	913.6	13.808
1.2	63.8	88	190	0.5	3.3	1746	20	68	10.38	1.4	0.82	489.8	913.6	489.8	913.6	13.808
2.4	64.3	88	190	1.5	3.9	2211	21	69	14.13	1.9	0.779	493.5	920.3	492.5	918.4	13.804
3.6	74.1	87	189	-1.5	3.9	1981	21	70	16.83	2.2	0.703	499.4	931	498.9	930	13.798
4.8	77.8	87	189	-0.8	3.9	2050	21	70	17.18	2.3	0.704	506.5	943.6	505.7	942.2	13.837
6	75.1	87	188	-1.6	3.9	2141	21	70	15.68	2.1	0.74	514.3	957.8	513.8	956.9	13.87
7.2	80.3	86	187	0.5	3.9	1728	21	70	12.92	1.7	0.731	523.2	973.7	522.3	972.1	13.886
8.4	73	86	187	0.8	3.4	1656	21	70	9.74	1.3	0.679	533.7	992.6	532.4	990.4	13.886
9.6	52.9	86	187	-1.7	-1.8	1600	21	70	6.53	0.9	0.586	537.7	999.8	537.4	999.4	13.886
10.8	32.5	86	187	-5	-7.8	1279	21	70	2.19	0.3	0.605	540.5	1004.8	540.2	1004.4	13.886
12	26.3	86	187	-3.5	-7.8	1182	21	70	2.23	0.3	0.585	541.9	1007.4	541.8	1007.2	13.873
13.2	25.4	86	187	0	-7.8	1155	21	70	1.98	0.3	0.054	542.8	1009	543	1009.4	13.879
14.4	24.7	86	187	0	-7.8	1142	21	70	1.96	0.3	0.015	543.3	1010	543.4	1010.1	13.874
15.6	24.7	86	187	0	-7.8	1129	21	70	1.95	0.3	0.015	543.2	1009.7	543.2	1009.8	13.889
16.8	24.9	86	187	0	-7.8	1116	21	70	1.95	0.3	0.015	542.6	1008.7	542.7	1008.8	13.896
18	25.1	86	187	0	-7.8	1101	21	70	1.93	0.3	0.015	541.8	1007.3	541.9	1007.4	13.895
19.2	38.6	86	187	0	-7.8	1115	21	70	1.93	0.3	0.015	540.7	1005.3	540.8	1005.5	13.906
20.4	54.1	86	187	0.2	-6.5	1515	21	70	2.96	0.4	0.03	538.7	1001.7	538.9	1002.1	13.914
21.6	44.3	86	187	0.4	1.3	1393	21	70	3.47	0.5	0.05	537	998.7	537.1	998.8	13.918
22.8	36.7	86	187	-2.4	-2.7	1200	21	70	2.93	0.4	0.07	535.8	996.4	535.9	996.6	13.913
24	29	86	187	-6	-7.5	1156	21	70	2.26	0.3	0.447	534.6	994.2	534.7	994.4	13.918
25.2	28	86	187	-0.3	-2.4	1171	21	70	2.75	0.4	0.652	533.5	992.4	533.3	992	13.906
26.4	28.5	86	187	-4.1	-6.2	1150	21	70	2.58	0.3	0.686	532.3	990.1	531.7	989	13.906
27.6	27.3	86	187	-1.9	-7.8	1101	21	70	2.12	0.3	0.567	530.5	986.8	530.5	986.9	13.888
28.8	26.4	86	187	0	-3.3	1140	21	70	7.18	1	0.055	528.7	983.7	528.8	983.9	13.886
30	71.6	86	187	1.3	1.4	1458	21	70	15.29	2	0.211	527.6	981.8	527.6	981.7	13.996
31.2	57.9	86	187	-3.1	2	1802	21	70	6	0.8	0.863	533.9	993	533.3	992	13.984
32.4	44.6	86	187	-6.9	-0.8	1536	21	70	7.89	1	0.895	536.6	998	536.5	997.7	13.943
33.6	55.9	86	187	0.8	-0.4	1224	20	68	8.74	1.2	0.88	537.7	999.8	537.6	999.7	13.933
34.8	69.3	86	187	0.9	2.3	1236	20	68	10.49	1.4	0.839	538.5	1001.3	538.9	1002.1	13.939
36	84.3	86	187	2	3.1	1308	20	68	11.99	1.6	0.807	540.6	1005	541	1005.8	13.937
37.2	74.9	86	187	-2.9	3.1	1364	20	68	10.87	1.4	0.8	543.3	1009.9	543.1	1009.5	13.964
38.4	74.5	86	187	0.8	3.1	1492	20	68	12.02	1.6	0.775	545.4	1013.8	545.2	1013.4	13.97
39.6	82.3	86	187	1.5	3.9	1489	20	68	14.42	1.9	0.747	548.2	1018.7	547.9	1018.1	13.978
40.8	85.3	86	187	-0.2	3.9	1501	20	68	14.28	1.9	0.753	551.6	1024.9	551.2	1024.2	13.97
42	74.9	86	187	-3.4	3.1	1528	20	68	12.82	1.7	0.76	555.4	1031.7	555	1031	13.984
43.2	52.8	86	187	-8.7	0	1601	20	68	5.02	0.7	0.76	558.7	1037.7	559.1	1038.4	13.989
44.4	29.9	86	187	-10.1	-2.1	1451	20	68	5.47	0.7	0.76	561.1	1041.9	562	1043.6	14.003
45.6	35.3	87	188	-9.1	-2.3	1448	20	68	5.82	0.8	0.76	562.6	1044.7	562.6	1044.6	14.003
46.8	35.7	87	189	-7	-2.3	1482	20	68	4.25	0.6	0.76	562.5	1044.5	562.5	1044.5	14.003
48	30.4	86	188	-5.8	-2.3	1483	20	68	3.28	0.4	0.759	561	1041.7	561.2	1042.2	14.003
49.2	28.8	86	187	-7.2	-4.1	1393	20	68	3.7	0.5	0.741	559.8	1039.6	559.9	1039.9	14.016
50.4	28.3	86	187	-5.6	-7.8	1233	20	68	2.34	0.3	0.74	558.8	1037.8	558.8	1037.9	14.002
51.6	26.7	86	187	2.2	-7.8	1047	20	68	2.27	0.3	0.74	557.7	1035.8	557.8	1036	13.992
52.8	27.2	86	187	7.9	-7.8	1142	20	68	2.22	0.3	0.249	555.9	1032.7	556.1	1033	13.989
54	27.5	86	187	-4.6	-7.7	1094	20	68	2.2	0.3	0.055	554.4	1029.9	554.5	1030.1	13.971
55.2	41	86	187	-3.1	-2.4	1288	20	68	9.1	1.2	0.068	553.6	1028.4	553.6	1028.5	13.989
56.4	78.1	86	187	6.9	3	1478	20	68	12.14	1.6	0.14	553.5	1028.2	553.4	1028.2	14.003
57.6	70.6	86	187	0.1	3.1	1497	19	67	11.97	1.6	0.292	554.2	1029.6	554.1	1029.4	14.007
58.8	58.5	86	187	-5	1.8	1455	19	66	10.14	1.3	0.47	555.5	1032	555.3	1031.6	14.02
60	59.3	86	187	0.9	2.2	1438	19	66	9.41	1.2	0.538	556.8	1034.2	556.7	1034.1	14.003
61.2	60.3	86	187	-2	1.1	1444	19	66	9.19	1.2	0.542	557.3	1035.2	557.3	1035.1	14.006
62.4	52.2	86	187	-0.2	0.1	1435	19	66	6.14	0.8	0.566	557.6	1035.7	557.6	1035.7	14.023
63.6	38.3	86	187	-6.4	-1.9	1465	19	66	4.42	0.6	0.535	557.4	1035.4	557.5	1035.5	14.023
64.8	36.6	86	187	-5.6	-2.3	1452	19	66	4.43	0.6	0.496	556.8	1034.3	556.9	1034.4	14.023
66	37.5	86	187	-3.4	-2.3	1448	19	66	5.1	0.7	0.455	555.9	1032.5	555.9	1032.7	14.02
67.2	29.8	86	187	-2.4	-2.3	1379	19	66	4.58	0.6	0.445	554.3	1029.8	554.6	1030.2	14.006
68.4	30.9	86	187	-4.3	-2.3	1332	19	66	3.28	0.4	0.437	552.2	1025.9	552.3	1026.2	14.023

69.6	31.4	86	187	-4	-2.3	1342	19	66	3.63	0.5	0.411	550.9	1023.6	551	1023.8	14.023
70.8	33.5	86	187	-4.5	-2.3	1338	19	66	3.77	0.5	0.383	549.5	1021.1	549.6	1021.3	14.023
72	31.3	86	187	-5.7	-5.4	1249	19	66	2.74	0.4	0.361	548.2	1018.8	548.4	1019	14.023
73.2	27.7	86	187	-5.8	-7.8	1171	19	66	2.22	0.3	0.328	545.6	1014	545.8	1014.4	13.991
74.4	26.4	86	187	-2.4	-7.8	1164	19	66	2.19	0.3	0.281	543.9	1011.1	544.1	1011.3	13.999
75.6	25.7	86	187	0	-7.8	1094	19	66	1.98	0.3	0.055	542.2	1007.9	542.3	1008.2	13.987
76.8	26.1	86	187	0	-7.8	1030	19	66	1.96	0.3	0.055	540.2	1004.3	540.4	1004.6	13.984
78	27.4	86	187	0	-7.8	935	19	66	2.01	0.3	0.052	537.9	1000.2	538	1000.5	13.952
79.2	31.7	86	187	0	-7.8	875	19	66	2.23	0.3	0.035	535.6	996.1	535.8	996.4	13.899
80.4	33.3	86	187	-1.1	-7.8	911	19	66	2.25	0.3	0.035	533	991.4	533.2	991.8	13.898
81.6	32.8	86	187	-2.8	-7.8	828	19	66	2.12	0.3	0.035	531.3	988.4	531.4	988.6	13.887
82.8	33.9	86	187	-1.6	-7.8	692	19	66	2.1	0.3	0.051	530.2	986.3	530.3	986.5	13.838
84	38.2	86	187	-1.2	-7.8	544	20	68	2.1	0.3	0.055	529.2	984.6	529.3	984.7	13.398
85.2	41.7	86	187	0.6	-7.8	553	20	68	2.09	0.3	0.07	528.3	983	528.4	983.1	13.311
86.4	44	86	187	2.3	-7	646	20	68	2.12	0.3	0.075	527.5	981.5	527.1	980.8	13.728
87.6	54.9	86	187	2.7	-1.6	874	20	68	5.21	0.7	0.355	526.2	979.2	525.9	978.7	13.841
88.8	65.8	86	187	3	3.1	1534	20	68	9.34	1.2	0.746	525.5	977.9	525.5	977.9	13.913
90	63.2	86	187	-1.2	3.2	1776	20	68	10.95	1.4	0.855	526.1	979.1	526.1	978.9	13.94
91.2	72.6	86	187	4.7	3.9	2015	20	68	14.11	1.9	0.832	528.5	983.3	528.3	982.9	13.964
92.4	83	87	189	0	3.9	1927	20	68	16.27	2.2	0.807	533	991.3	532.4	990.3	13.964
93.6	81.1	87	189	0	4.7	2032	20	68	17.58	2.3	0.775	542.8	1009	541.4	1006.4	13.964
94.8	77.1	87	189	-0.7	4.7	2174	20	68	17.51	2.3	0.747	553.9	1029.1	553	1027.5	13.976
96	78.8	87	189	0.1	3.9	1924	20	68	16.36	2.2	0.74	561.5	1042.8	560.9	1041.5	13.997
97.2	86.4	87	189	1.5	3.9	1569	20	68	15.28	2	0.727	568.5	1055.3	568	1054.3	13.99
98.4	85.7	87	188	0.7	3.9	1561	20	68	14.81	2	0.733	574.6	1066.3	574.1	1065.4	13.997
99.6	79.3	86	187	-0.8	3.9	1638	20	68	13.22	1.7	0.74	580.2	1076.3	579.9	1075.8	13.99
100.8	66.8	87	189	-1.6	3.1	1753	20	68	11.05	1.5	0.64	585	1084.9	585.9	1086.6	14.003
102	65.8	87	189	-2.1	3.1	1457	19	67	11.89	1.6	0.45	589.5	1093.2	590.9	1095.6	13.991
103.2	81.3	87	189	0.8	3.1	1331	19	66	11.88	1.6	0.344	593.1	1099.7	593	1099.4	13.976
104.4	87.3	87	189	0.7	4.7	1929	19	66	17.93	2.4	0.526	596.2	1105.2	595.9	1104.7	14.009
105.6	85.5	87	189	0	4.7	1971	19	66	18.61	2.5	0.675	600.7	1113.3	600.3	1112.5	14.023
106.8	71.1	87	189	-11.3	1.9	1637	19	66	13.46	1.8	0.721	604.7	1120.5	604.3	1119.8	14.019
108	77	87	189	-0.4	2.9	1555	19	66	12.13	1.6	0.456	607.7	1125.9	607.9	1126.2	14.003
109.2	79.2	87	189	0.8	3.1	1536	19	66	12.69	1.7	0.217	611	1131.7	612.4	1134.3	14.003
110.4	79.8	87	189	0.8	3.1	1484	19	66	12.64	1.7	0.414	614.2	1137.6	614.1	1137.5	14.003
111.6	81.5	87	189	-0.6	3.1	1442	19	66	12.75	1.7	0.588	615.6	1140.2	615.6	1140	14.005
112.8	75.2	87	189	-1.5	3.1	1455	19	66	11.63	1.5	0.688	616.6	1141.8	616.6	1141.8	14.025
114	66.1	88	190	-4.4	1.8	1469	19	65	9.66	1.3	0.72	617.1	1142.8	617.3	1143.2	14.038
115.2	58.8	88	190	-3.6	1	1471	18	64	7.55	1	0.72	616.8	1142.3	616.9	1142.5	14.016
116.4	53.2	88	190	-0.6	1.1	1443	18	64	7.81	1	0.685	616	1140.9	616.1	1141	14.003
117.6	46.3	88	190	-4.7	-0.9	1351	18	64	5.36	0.7	0.653	614.1	1137.3	614.3	1137.8	14.01
118.8	36.7	88	190	-8	-2	1367	18	64	4.51	0.6	0.613	611.9	1133.5	612.2	1133.9	14.023
120	37.6	88	190	-5.4	-2.3	1328	18	64	4.61	0.6	0.553	610.1	1130.2	610.3	1130.5	14.022
121.2	39.9	88	190	-4	-2.3	1276	18	64	4.77	0.6	0.497	607.9	1126.2	608.1	1126.6	14.003
122.4	41.9	88	190	-3.9	-2.3	1219	18	64	4.35	0.6	0.477	605.5	1122	605.7	1122.3	14.003
123.6	30.8	88	190	-7.8	-6.4	1126	18	64	3.04	0.4	0.457	603.2	1117.8	603.1	1117.5	14.003
124.8	27.7	87	189	-2.1	-7.8	1032	18	64	2.17	0.3	0.438	600.7	1113.3	599.4	1110.8	13.984
126	28.5	87	189	0	-7.8	948	18	65	2.19	0.3	0.318	597.1	1106.7	597.3	1107.2	13.984
127.2	29.3	87	189	0	-7.8	873	19	66	2.02	0.3	0.035	594.8	1102.6	594.9	1102.7	13.947
128.4	33.9	87	189	0	-7.8	891	19	66	2.04	0.3	0.035	592.6	1098.7	592.8	1099	13.93
129.6	33.6	87	189	-0.9	-7.8	932	19	66	2.17	0.3	0.035	589.4	1093	589.7	1093.5	13.914
130.8	32.2	87	189	-2.3	-7.8	772	19	66	2.21	0.3	0.035	587.3	1089.2	587.4	1089.3	13.888
132	34.2	87	189	-2.5	-7.8	692	19	66	2.15	0.3	0.035	585.8	1086.4	585.9	1086.6	13.82
133.2	38.5	87	189	-2.9	-7.8	531	19	66	2.11	0.3	0.049	584.4	1083.9	584.5	1084	13.438
134.4	42.1	87	189	-1.3	-7.8	557	19	66	2.08	0.3	0.055	583.1	1081.6	583.2	1081.8	13.118
135.6	42.4	87	189	0.2	-7.8	560	19	66	2.13	0.3	0.07	581.2	1078.2	581.5	1078.6	13.472
136.8	42	87	189	1.3	-7.8	613	19	66	2.16	0.3	0.075	579.5	1075.1	579.6	1075.3	13.694
138	41.1	87	189	0	-7.8	603	19	66	2.15	0.3	0.089	578.3	1073	578.4	1073.1	13.716
139.2	40.9	87	189	0.1	-7.8	583	19	66	2.14	0.3	0.109	577.2	1070.9	577.3	1071.1	13.668
140.4	41.1	88	190	0.8	-7.8	594	19	66	2.1	0.3	0.59	576.1	1069	576.2	1069.2	13.639

141.6	41	88	190	0.7	-7.8	568	19	66	2.09	0.3	0.843	575.1	1067.1	575.2	1067.3	13.613
142.8	41.8	88	190	-0.7	-7.8	551	19	66	2.13	0.3	0.855	573.8	1064.9	573.4	1064.1	13.533
144	42.6	88	190	0	-7.8	578	19	66	2.14	0.3	0.855	571.5	1060.7	570.9	1059.7	13.591
145.2	41.8	88	190	0.7	-7.8	588	19	66	2.14	0.3	0.855	568.9	1056.1	569.1	1056.3	13.627
146.4	43.3	88	190	-1.1	-2.4	624	19	66	8.18	1.1	0.855	567.1	1052.8	567.3	1053.1	13.681
147.6	52.8	88	190	-6	-1.6	1119	19	66	10.02	1.3	0.855	565.4	1049.7	565.5	1049.9	13.834
148.8	65.4	88	190	-1.4	3.1	1530	20	68	16.14	2.1	0.807	564	1047.2	564.1	1047.4	13.853
150	79.4	88	190	0.8	3.8	2109	20	68	16.72	2.2	0.745	564.4	1048	565.6	1050.2	13.872
151.2	74.9	88	190	-3.1	3.9	1874	20	68	16.41	2.2	0.608	568.6	1055.5	570.7	1059.2	13.89
152.4	80.3	87	189	-1	4.6	1994	21	69	18.99	2.5	0.476	575.7	1068.3	575.4	1067.7	13.908
153.6	84.3	87	189	0.6	4.7	2219	21	70	21.21	2.8	0.53	582.5	1080.6	581.9	1079.4	13.928
154.8	78.6	87	189	-0.6	4.7	2386	21	70	21.18	2.8	0.665	590.2	1094.4	589.7	1093.4	13.948
156	85.8	86	187	-1.4	4.1	1914	21	70	18.73	2.5	0.713	597.5	1107.5	597	1106.5	13.963
157.2	87.4	86	187	0.3	3.9	1686	21	70	16.85	2.2	0.601	605.9	1122.7	605	1121	13.948
158.4	87.1	86	187	0.1	3.9	1721	21	70	17.01	2.2	0.529	616.7	1142	616.3	1141.4	13.984
159.6	82.8	86	187	-1.2	3.9	1798	20	69	17.27	2.3	0.675	622	1151.5	621.7	1151.1	13.985
160.8	82.7	87	188	-1.6	4.5	1872	20	68	17.5	2.3	0.648	626.7	1160.1	626.5	1159.7	14.003
162	83.1	87	189	-1.6	4.7	1952	20	68	17.22	2.3	0.609	631.6	1168.8	631.2	1168.1	14.002
163.2	82.7	87	189	-2.2	4.1	1696	20	68	16.15	2.1	0.588	635.8	1176.5	635.5	1176	13.983
164.4	92.8	88	190	0.2	3.9	1497	20	68	15.33	2	0.468	639.4	1182.9	639.1	1182.4	13.965
165.6	92.9	88	190	0.1	3.9	1491	20	68	15.8	2.1	0.557	643.1	1189.6	642.6	1188.7	13.984
166.8	92.2	88	190	-0.6	3.9	1519	19	67	15.09	2	0.648	647.9	1198.2	647.7	1197.9	13.985
168	86.5	88	190	-1.4	3.9	1575	19	66	15.05	2	0.676	650	1202	649.8	1201.6	14.003
169.2	87.7	89	192	-0.4	3.9	1593	19	66	15.58	2.1	0.693	651.7	1205.1	651.6	1204.9	14.003
170.4	85.5	89	192	-2.6	3.9	1581	19	66	14.96	2	0.52	653	1207.5	652.9	1207.2	14.003
171.6	83.2	89	192	-0.9	3.9	1566	19	66	13.69	1.8	0.222	654.1	1209.4	654.1	1209.4	13.986
172.8	54.2	89	192	-4.3	-2.5	1562	19	65	9.63	1.3	0.645	654.7	1210.4	654.4	1209.9	14.001
174	28.2	89	192	-2.8	-7.8	1546	18	65	2.26	0.3	0.729	653.6	1208.5	653.7	1208.6	14.035
175.2	21.4	89	192	0	-7.8	1514	19	66	2.22	0.3	0.691	652.3	1206.2	652.4	1206.4	14.01
176.4	20.6	89	192	0	-7.8	1504	19	66	1.98	0.3	0.052	650.7	1203.3	650.9	1203.6	13.988
177.6	20.4	88	191	0	-7.8	1505	19	66	1.96	0.3	0.035	648.7	1199.7	648.9	1200	14.016
178.8	20.4	88	190	0	-7.8	1510	19	66	1.96	0.3	0.035	645.6	1194.1	645.9	1194.6	14.013
180	20.4	88	190	0	-7.8	1512	19	66	1.95	0.3	0.035	642.8	1189	643.1	1189.5	14.003
181.2	20.8	87	189	0	-7.8	1457	19	66	1.95	0.3	0.035	640.3	1184.6	640	1184	14.001
182.4	21.5	86	187	0	-7.8	1399	19	66	1.95	0.3	0.035	637.3	1179.1	635	1175	13.984
183.6	21.9	86	187	0	-7.8	1348	19	66	1.96	0.3	0.035	631.6	1169	631.9	1169.4	13.965
184.8	22.3	86	187	0	-7.8	1300	19	66	1.95	0.3	0.035	628.4	1163.1	628.6	1163.6	13.982
186	23	86	187	0	-7.8	1250	19	66	1.96	0.3	0.035	624.9	1156.8	625.2	1157.4	13.984
187.2	23.5	86	187	0	-7.8	1191	19	66	1.96	0.3	0.035	621.2	1150.1	621.5	1150.6	13.984
188.4	24.1	86	187	0	-7.8	1127	19	66	1.97	0.3	0.035	617.6	1143.6	618	1144.3	13.968
189.6	25.2	85	186	0	-7.8	1066	19	66	1.95	0.3	0.032	609.8	1129.6	610.4	1130.7	13.949
190.8	26.1	85	185	0	-7.8	1002	19	66	1.97	0.3	0.015	605.6	1122.1	606	1122.8	13.929
192	27.6	85	185	0	-7.8	925	19	66	2	0.3	0.015	601.8	1115.2	602.1	1115.8	13.925
193.2	31.6	85	185	0	-7.8	872	19	66	2.01	0.3	0.015	598.3	1108.9	598.6	1109.4	13.925
194.4	33.2	85	186	0.5	-7.8	929	20	68	2.13	0.3	0.015	593.1	1099.5	593.7	1100.6	13.941
195.6	31	86	187	2.2	-7.8	870	20	68	2.2	0.3	0.015	588.8	1091.8	589	1092.3	13.942
196.8	32.7	86	187	1.4	-7.8	812	20	68	2.18	0.3	0.03	586	1086.9	586.2	1087.2	13.913
198	33.8	86	187	-0.1	-7.8	756	20	68	2.19	0.3	0.035	583.6	1082.5	583.8	1082.8	13.883
199.2	37.3	86	187	-0.8	-7.8	638	20	68	2.16	0.3	0.048	581.3	1078.4	581.5	1078.8	13.535
200.4	42.1	86	187	-0.6	-7.8	542	20	68	2.16	0.3	0.055	579	1074.3	578.5	1073.3	12.912
201.6	44	86	187	1.6	-7.8	544	20	68	2.2	0.3	0.068	575.9	1068.5	575	1067	13.095
202.8	44.3	86	187	1.5	-7.8	555	20	68	2.2	0.3	0.075	572.8	1063	572.9	1063.3	13.303
204	45.4	86	187	0.8	-7.8	590	20	68	2.21	0.3	0.246	570.9	1059.6	571	1059.8	13.592
205.2	53.1	86	187	0.8	-0.1	1105	20	68	5.37	0.7	0.595	569	1056.2	569.1	1056.4	13.754
206.4	64.8	86	187	-0.6	2.8	1511	20	68	8.91	1.2	0.844	567.4	1053.3	567.5	1053.5	13.893
207.6	59.7	87	188	1	3.7	1906	20	68	12.3	1.6	0.844	566.8	1052.2	566.7	1052	13.943
208.8	72.9	87	189	0.5	3.9	1976	20	68	15.03	2	0.82	567.9	1054.3	567.8	1054	13.945
210	73.6	87	189	1.9	3.9	1933	20	68	13.89	1.8	0.813	569.9	1057.8	569.7	1057.4	13.945
211.2	74.3	87	189	1.1	4.3	2106	20	68	16.06	2.1	0.778	573.3	1063.9	573	1063.3	13.975
212.4	78.1	87	189	-1.8	4.4	2015	20	68	16.26	2.2	0.76	577	1070.6	580.2	1076.4	13.984

213.6	79.6	87	189	-2.5	3.9	1657	20	68	14.16	1.9	0.76	584.3	1083.8	585.1	1085.2	13.984
214.8	74.6	87	189	-1.8	3.9	1738	20	68	13.77	1.8	0.76	589.4	1092.9	588.9	1092.1	13.994
216	66.1	87	189	-3.3	3.8	1777	20	68	13.56	1.8	0.71	592.6	1098.7	592.2	1098	13.985
217.2	60.3	87	189	-6.1	3	1823	19	66	10.18	1.3	0.729	595.1	1103.1	594.8	1102.6	13.972
218.4	57.9	87	189	0.3	0.7	1360	19	66	7.7	1	0.725	596.7	1106	596.6	1106	13.991
219.6	49.8	87	189	-2.7	-0.2	1342	19	66	6.18	0.8	0.72	597.1	1106.8	597.2	1107	13.988
220.8	45.8	87	188	-4.1	-2.2	1397	19	66	9.08	1.2	0.72	596.5	1105.8	596.6	1105.9	13.972
222	52.3	86	187	-1.3	-0.2	1438	19	66	7.58	1	0.678	595.5	1103.9	595.6	1104.1	13.984
223.2	42.3	87	188	-4.8	-2.3	1386	19	66	3.24	0.4	0.66	594.1	1101.5	594.3	1101.7	13.991
224.4	33.8	86	187	-8.8	-2.1	1315	19	66	2.92	0.4	0.66	592.6	1098.7	592.7	1098.9	14.003
225.6	42.2	87	188	-1.4	0.3	1509	19	66	4.91	0.6	0.62	590.9	1095.7	591.1	1095.9	14.003
226.8	35.1	86	187	-4	-7.8	1240	19	66	2.8	0.4	0.591	588.3	1091	588.6	1091.5	13.996
228	25.1	86	187	0	-7.8	1241	19	66	2.22	0.3	0.559	585.7	1086.3	585.9	1086.7	13.984
229.2	25	86	187	0	-7.8	1189	19	66	2.06	0.3	0.227	583.8	1082.9	584	1083.2	13.978
230.4	24.8	86	187	0	-7.8	1135	19	66	1.99	0.3	0.035	581.8	1079.2	581.9	1079.5	13.968
231.6	25.1	86	187	0	-7.8	1084	19	66	1.97	0.3	0.035	579	1074.2	579.5	1075.1	13.983
232.8	25.8	86	187	0	-7.8	1023	19	66	1.94	0.3	0.035	574.4	1065.9	574.6	1066.3	13.965
234	27.5	86	187	0	-7.8	951	19	66	1.98	0.3	0.035	571.7	1061.1	571.9	1061.5	13.964
235.2	28.8	86	187	0	-7.8	893	19	66	2.01	0.3	0.031	568.6	1055.4	568.9	1055.9	13.947
236.4	29.7	86	187	0	-7.8	853	19	66	2.01	0.3	0.015	565.4	1049.7	565.6	1050.1	13.945
237.6	33.1	86	187	0	-7.8	850	19	67	2.05	0.3	0.015	562.4	1044.4	562.7	1044.9	13.945
238.8	31.2	86	187	1.3	-7.8	930	20	68	2.21	0.3	0.015	559.9	1039.7	558.3	1036.9	13.976
240	66	86	187	5.4	-2.1	1302	20	68	4.97	0.7	0.026	556	1032.8	556.1	1032.9	14.031
241.2	70.5	86	187	4.3	3.5	1674	20	67	13.79	1.8	0.175	556.6	1033.9	556.5	1033.8	14.042
242.4	73.5	86	187	2.4	3.1	1558	19	66	12.34	1.6	0.769	557.8	1036	557.6	1035.8	14.042
243.6	67.9	86	187	-0.8	3.1	1591	19	66	9.95	1.3	0.822	559.5	1039	559.3	1038.8	14.042
244.8	60.6	86	187	-2.1	3.1	1593	19	66	9.16	1.2	0.835	561.1	1042	561	1041.9	14.042
246	38.5	86	187	-6.6	-1.8	1537	19	66	5.68	0.8	0.835	562.4	1044.3	562.6	1044.7	14.042
247.2	26.3	86	187	-6.4	-7.8	1301	19	66	4.02	0.5	0.82	562.7	1044.9	562.8	1045.1	14.029
248.4	38.3	86	187	1.6	-4.1	1332	19	66	15.66	2.1	0.165	562.5	1044.5	562.5	1044.5	14.048
249.6	70.2	86	187	4.5	3.9	1797	19	66	17.64	2.3	0.097	564.5	1048.2	564.2	1047.6	14.049
250.8	79.7	86	187	0.6	3.7	1610	19	66	16.48	2.2	0.327	567.6	1053.8	567.4	1053.3	14.042
252	66.5	86	187	-7.4	2.7	1559	18	64	7.88	1	0.625	570.7	1059.3	571.6	1061	14.051
253.2	50.4	86	187	-4.3	-0.5	1552	18	64	5.78	0.8	0.611	573.6	1064.5	574.4	1066	14.062
254.4	31.6	86	187	-9.4	-7.8	1346	18	64	2.94	0.4	0.501	575	1067	575	1067	14.048
255.6	23.9	86	187	0	-7.8	1319	18	64	2.29	0.3	0.452	575	1066.9	575	1067	14.029
256.8	30.7	86	187	0.4	-0.2	1466	18	64	1.98	0.3	0.192	574.6	1066.2	574.6	1066.3	14.048
258	60.1	86	187	6.9	3.5	1661	18	64	9.75	1.3	0.162	574	1065.2	574.1	1065.4	14.067
259.2	78.1	86	187	4	3.9	1588	18	64	13.96	1.8	0.58	574.1	1065.5	574.2	1065.5	14.082
260.4	52.5	86	187	-17.6	1.1	1520	18	64	9.69	1.3	0.877	575.2	1067.4	575.2	1067.3	14.082
261.6	36.8	86	187	-10.2	-6.1	1384	18	64	4.39	0.6	0.895	575.6	1068	575.6	1068	14.079
262.8	23.9	86	187	-0.9	-7.8	1333	18	64	2.29	0.3	0.886	575.3	1067.6	575.4	1067.7	14.055
264	25.8	86	187	0	-7.8	1239	18	64	2.14	0.3	0.495	574.6	1066.3	574.7	1066.5	14.009
265.2	48.5	86	187	7	1.8	1673	18	64	10.09	1.3	0.101	573.6	1064.5	574	1065.2	14.048
266.4	87.5	86	187	3.9	3.9	1675	18	64	16.52	2.2	0.454	573.7	1064.7	574.4	1065.9	14.082
267.6	89	86	187	1.2	3.9	1578	18	64	14.94	2	0.835	577.3	1071.2	577.1	1070.7	14.082
268.8	84.1	86	187	0.8	3.9	1564	18	64	14.52	1.9	0.835	580.5	1076.9	580.3	1076.6	14.062
270	86.4	86	187	1.4	3.9	1550	18	64	15.03	2	0.83	583.8	1082.9	583.6	1082.5	14.062
271.2	61.8	86	187	-8.7	2.2	1547	18	64	11.91	1.6	0.823	586.8	1088.2	586.5	1087.7	14.078
272.4	52.7	86	187	-8.7	1.9	1634	18	64	6.53	0.9	0.833	590.5	1095	590.1	1094.2	14.082
273.6	32.4	87	188	-8.6	0.5	1666	18	64	4.64	0.6	0.82	590.9	1095.6	590.9	1095.6	14.082
274.8	24.7	87	189	-11.3	-4.7	1430	18	64	2.81	0.4	0.82	590.5	1095	590.6	1095	14.082
276	25.1	87	189	-5.3	-7.8	1229	18	64	2.25	0.3	0.819	589.8	1093.7	589.9	1093.8	14.068
277.2	26.5	87	189	0	-7.8	1138	18	64	2.07	0.3	0.753	588.7	1091.7	588.8	1091.9	14.047
278.4	25.8	87	189	-2.6	-7.8	1279	18	64	2.25	0.3	0.047	587.7	1089.9	587	1088.6	14.054
279.6	25.1	87	189	-6.5	-7.8	1233	18	64	2.23	0.3	0.035	585.7	1086.3	585.5	1086	14.062
280.8	25.7	87	188	-6.6	-7.8	1176	18	64	2.23	0.3	0.052	584.2	1083.6	584.3	1083.8	14.062
282	26	86	187	-5.1	-7.8	1164	18	64	2.23	0.3	0.071	583.1	1081.6	583.2	1081.8	14.053
283.2	26.8	86	187	-3.5	-7.8	1066	18	64	2.21	0.3	0.075	582	1079.7	581.6	1078.9	14.028
284.4	29	86	187	-0.8	-7.8	934	18	64	2.24	0.3	0.088	580.4	1076.7	579.9	1075.7	13.985

285.6	31.8	86	187	-0.9	-7.8	804	18	64	2.25	0.3	0.095	578.7	1073.6	578.8	1073.8	13.945
286.8	33.7	86	187	-2.4	-7.8	817	18	64	2.22	0.3	0.108	577.5	1071.6	577.6	1071.8	13.914
288	36.2	86	187	-3.9	-7.8	683	19	66	2.21	0.3	0.127	576.4	1069.6	576.5	1069.7	13.618
289.2	41.3	86	187	-3.1	-7.8	539	19	66	2.2	0.3	0.497	575.4	1067.7	575.5	1067.9	13.015
290.4	44.3	87	189	-3.1	-7.8	545	19	66	2.18	0.3	0.783	574.4	1065.9	574.5	1066	13.01
291.6	44.2	87	189	-1.6	-7.8	556	19	66	2.18	0.3	0.811	572.9	1063.2	573.1	1063.5	13.263
292.8	43.5	87	189	-0.8	-7.8	560	19	66	2.17	0.3	0.828	571.1	1059.9	571.2	1060.1	13.59
294	43	87	189	0	-7.8	584	19	66	2.16	0.3	0.835	569.9	1057.9	570	1058	13.71
295.2	42	87	189	0	-7.8	585	19	66	2.14	0.3	0.835	568.6	1055.4	568.7	1055.7	13.668
296.4	42.3	87	189	0	-7.8	560	19	66	2.15	0.3	0.835	567	1052.6	567.1	1052.9	13.223
297.6	43.5	87	189	0.6	-7.8	553	19	66	2.16	0.3	0.835	565.3	1049.5	565.2	1049.3	13.282
298.8	43.1	88	190	1.4	-7.8	570	19	66	2.15	0.3	0.835	563.1	1045.6	561.9	1043.4	13.324
300	42.1	88	190	1.6	-7.8	586	19	66	2.14	0.3	0.835	560.1	1040.2	560.3	1040.6	13.672
301.2	59.1	88	190	3.4	-3.7	906	19	66	3.31	0.4	0.835	558.5	1037.2	558.6	1037.5	13.823
302.4	60	88	190	4.1	0.7	1382	19	66	7.07	0.9	0.835	556.7	1034.1	556.9	1034.4	13.837
303.6	54.7	88	190	3.1	2.2	1591	19	66	8.41	1.1	0.835	555.6	1032.1	555.7	1032.2	13.843
304.8	56.1	89	192	1.7	3	1821	19	66	10.04	1.3	0.827	555.4	1031.7	555.3	1031.6	13.908
306	62.4	89	192	2.9	3.1	1692	20	67	11.01	1.5	0.811	555.6	1032.1	555.8	1032.4	13.925
307.2	62.4	88	191	-0.4	3.1	1644	20	68	10.18	1.3	0.8	556.3	1033.3	557.1	1034.8	13.925
308.4	54.3	88	190	-0.5	2.2	1567	20	68	8.88	1.2	0.791	557.9	1036.2	557.9	1036.2	13.96
309.6	56.4	87	189	0.5	1.1	1441	20	68	7.84	1	0.756	558.4	1037.1	558.4	1037.1	13.964
310.8	49	87	189	-0.7	-0.6	1349	20	68	5.94	0.8	0.74	558.6	1037.4	558.6	1037.5	13.964
312	48.7	87	189	0.5	-2	1232	20	68	6.5	0.9	0.74	558.3	1036.9	558.3	1037	13.964
313.2	48.1	87	189	1.1	-0.7	1285	20	68	6.62	0.9	0.726	557.8	1036.1	557.2	1035	13.964
314.4	51.3	87	189	0.8	0.4	1393	20	68	8.18	1.1	0.646	556.5	1033.8	556.6	1033.8	13.98
315.6	52.8	87	189	1.2	-0.4	1366	20	68	7.21	1	0.68	556	1032.8	556.1	1032.9	13.984
316.8	54.7	87	189	2.4	0.4	1402	20	68	6.54	0.9	0.68	555.3	1031.6	555.4	1031.7	13.984
318	54.7	87	189	1.8	1.2	1463	20	68	8.31	1.1	0.68	554.8	1030.7	554.9	1030.8	13.999
319.2	59.7	87	189	1.2	1.9	1502	20	68	8.61	1.1	0.686	554.4	1029.9	554.4	1030	14.019
320.4	58.4	87	189	0.7	3.1	1594	20	68	9.23	1.2	0.718	554.6	1030.3	554.6	1030.2	14.023
321.6	62.4	87	189	2.2	3.1	1513	20	68	10.63	1.4	0.695	554.8	1030.6	555.1	1031.3	14.007
322.8	64.3	87	189	1.8	2.8	1377	20	68	9.2	1.2	0.664	555.5	1031.9	555.5	1031.9	14.018
324	64.8	87	189	0.8	2.7	1365	20	68	8.97	1.2	0.697	555.9	1032.6	555.8	1032.5	14.023
325.2	65.3	87	189	0.9	3.1	1427	20	68	10.35	1.4	0.66	556.3	1033.4	556.3	1033.3	14.023
326.4	72	87	189	0.3	3.3	1536	19	66	14.87	2	0.555	556.8	1034.2	557.7	1035.9	14.023
327.6	80.7	87	189	0.6	3.9	1677	19	66	15.03	2	0.53	559.7	1039.4	560.1	1040.1	14.023
328.8	76.6	87	189	-1.2	3.9	1719	19	66	13.46	1.8	0.644	563.5	1046.3	563.1	1045.6	14.029
330	57.6	87	189	-6.7	3.1	1765	19	66	11.19	1.5	0.7	566.4	1051.6	566.2	1051.1	14.024
331.2	57.3	87	189	-1.4	3.1	1806	19	66	7.43	1	0.522	568.7	1055.7	568.5	1055.4	13.989
332.4	64.2	87	189	3.5	3.1	1381	18	65	10.11	1.3	0.415	570.4	1058.6	570.3	1058.5	13.997
333.6	70.4	88	190	-3.3	3.1	1294	18	64	9.77	1.3	0.494	571.5	1060.7	571.6	1061	13.99
334.8	57.4	88	190	-6.2	-6.8	1214	18	64	4.49	0.6	0.51	572.3	1062.2	572.7	1062.8	14.003
336	27.8	88	190	-17	-7.8	1144	18	64	2.23	0.3	0.464	572.4	1062.4	572.5	1062.4	13.999
337.2	27.4	88	190	-1.7	-7.8	1090	19	66	2.13	0.3	0.244	571.8	1061.2	571.9	1061.4	13.981
338.4	26.3	88	190	0	-7.8	1034	19	66	1.99	0.3	0.035	570.7	1059.3	570.8	1059.5	13.964
339.6	27.1	88	190	0	-7.8	972	19	66	1.99	0.3	0.035	569.4	1057	569.2	1056.6	13.964
340.8	28.4	88	190	0	-7.8	898	19	66	2.02	0.3	0.035	567.3	1053.2	566.2	1051.1	13.865
342	35.6	87	189	0	-7.8	882	19	66	2.09	0.3	0.035	564.2	1047.6	564.3	1047.8	13.412
343.2	29.5	87	189	0	-7.8	908	19	66	2.19	0.3	0.035	562.5	1044.5	562.6	1044.6	13.984
344.4	30.6	87	189	0	-7.8	909	19	66	2.24	0.3	0.035	561.1	1042	561.2	1042.2	13.984
345.6	30.9	87	189	0.6	-7.8	891	19	66	3.87	0.5	0.042	559.9	1039.8	559.9	1039.9	13.984
346.8	41.2	87	189	0.8	-7.8	899	19	66	4.48	0.6	0.055	558.6	1037.5	558.8	1037.9	14.002
348	32.9	87	189	0.3	-7.8	887	19	66	2.06	0.3	0.059	556.1	1033.1	556.3	1033.4	13.952
349.2	31.5	87	189	1.3	-7.8	844	19	66	2.14	0.3	0.078	555.1	1031.3	555.2	1031.4	13.93
350.4	37.9	87	189	1.6	-5.3	952	19	66	3.29	0.4	0.132	554.1	1029.4	554.2	1029.6	13.954
351.6	59.7	87	189	1.8	0.2	1357	19	66	10.21	1.4	0.761	552.9	1027.2	553	1027.4	14.004
352.8	71.6	87	189	2	2.9	1618	19	66	12.4	1.6	0.828	553.8	1028.9	553.7	1028.7	14.011
354	53.1	87	189	-0.7	0.1	1386	19	66	3.21	0.4	0.835	554.5	1030.1	554.5	1030	13.982
355.2	31.4	87	189	-2.2	-7.8	833	19	66	2.26	0.3	0.835	554.5	1030.2	554.5	1030.2	13.936
356.4	32.3	87	189	-1.2	-7.8	838	19	66	2.15	0.3	0.835	554.2	1029.6	554.3	1029.7	13.915

357.6	32.1	87	189	-0.1	-7.5	878	19	66	2.11	0.3	0.835	553.8	1028.8	553.8	1028.9	13.933
358.8	34.7	87	189	-0.9	-2.4	910	19	66	3.62	0.5	0.835	552.7	1026.8	552.9	1027.2	13.951
360	38.4	87	189	-2.4	-7.7	1051	19	66	2.62	0.3	0.835	551.3	1024.4	551.4	1024.6	13.959
361.2	29.3	87	189	-2.9	-7.8	945	19	66	2.13	0.3	0.835	550.3	1022.6	550.4	1022.7	13.945
362.4	31.5	87	189	0	-7.8	912	20	68	2.44	0.3	0.835	549.3	1020.8	549.4	1020.9	13.945
363.6	34.4	87	189	-0.1	-2.4	1171	20	68	4.08	0.5	0.835	548.3	1018.9	548.4	1019.1	13.955
364.8	28	87	189	-1.4	-6.9	1094	20	68	3.21	0.4	0.835	547.2	1016.9	547	1016.7	13.964
366	30	87	189	-0.2	-7.8	859	20	68	2.18	0.3	0.828	545.8	1014.5	545.1	1013.2	13.855
367.2	32.1	87	189	0.6	-7.8	849	20	68	2.15	0.3	0.82	544.2	1011.6	544.3	1011.7	13.907
368.4	31.5	87	189	0.8	-7.8	854	20	68	2.12	0.3	0.82	543.3	1009.9	543.4	1010.1	13.924
369.6	31.7	87	189	0.3	-7.8	825	20	68	2.11	0.3	0.82	542.5	1008.4	542.5	1008.6	13.891
370.8	32.4	87	189	-0.5	-7.8	787	20	68	2.09	0.3	0.82	541.6	1006.9	541	1005.7	13.838
372	33.6	87	189	0	-7.8	752	20	68	2.09	0.3	0.82	540	1004.1	540.1	1004.1	13.828
373.2	34.6	87	189	0.8	-7.8	734	20	68	2.08	0.3	0.82	539.2	1002.5	539.3	1002.7	13.67
374.4	35.1	87	189	0.8	-7.8	708	20	68	2.14	0.3	0.82	538.5	1001.2	538.5	1001.3	13.739
375.6	34.7	87	189	0.8	-7.8	750	20	68	2.09	0.3	0.82	537.7	999.8	537.8	1000	13.816
376.8	34.5	87	189	1	-7.8	694	20	68	2.07	0.3	0.82	536.3	997.4	536.5	997.7	13.788
378	37.2	87	189	1.6	-7.8	587	20	68	2.16	0.3	0.82	535.3	995.5	535.4	995.7	13.275
379.2	41.4	87	189	1.7	-7.8	575	20	68	2.17	0.3	0.805	534.5	994.1	534.6	994.3	12.921
380.4	41.5	87	189	2.3	-7.8	575	20	68	2.13	0.3	0.8	533.8	992.8	533.9	992.9	13.451
381.6	40.3	87	189	2.2	-7.8	621	20	68	2.06	0.3	0.8	533.1	991.6	533.2	991.7	13.613
382.8	40.2	87	189	0.8	-7.8	553	20	68	2.13	0.3	0.8	532	989.5	532.1	989.8	13.307
384	42.7	87	189	1.6	-7.8	549	20	68	2.22	0.3	0.8	530.5	986.8	530.6	987	12.883
385.2	48.4	88	190	2.3	-2.9	783	20	68	2.09	0.3	0.8	529.2	984.6	529.4	984.8	12.808
386.4	41.9	88	190	2.3	-7.2	582	20	68	2.12	0.3	0.8	527.6	981.7	527.7	981.9	13.469
387.6	44.5	88	190	0	-7.8	542	20	68	2.24	0.3	0.8	526.1	979	526.2	979.2	12.771
388.8	46	88	190	1.4	-7.8	511	20	68	2.21	0.3	0.8	524.7	976.5	524.8	976.7	12.825
390	49	88	190	2.9	-7.8	510	20	68	2.14	0.3	0.8	522.9	973.2	523.2	973.8	12.649
391.2	47.9	88	190	4.3	-7.8	523	20	68	2.18	0.3	0.8	520.5	968.9	520.6	969.1	12.847
392.4	47.5	88	190	3.6	-7.8	513	20	68	2.39	0.3	0.8	519.1	966.4	519.2	966.6	12.869
393.6	49.7	88	190	3.6	-7.8	503	20	68	2.52	0.3	0.8	517.8	964	517.9	964.3	12.562
394.8	49.7	89	192	4.3	-7.8	531	20	68	2.29	0.3	0.8	516.4	961.6	516.5	961.8	12.653
396	48.9	89	192	3.9	-7.8	561	20	68	2.72	0.4	0.8	515	959	513.9	956.9	12.754
397.2	48.1	89	192	2.8	-7.8	549	20	68	2.55	0.3	0.8	512.5	954.5	512.5	954.4	12.801
398.4	47.5	89	192	2.3	-7.8	537	20	68	2.23	0.3	0.8	510.9	951.7	511.2	952.1	12.83
399.6	47	89	192	2.1	-7.8	542	20	68	2.22	0.3	0.8	509.6	949.3	509.8	949.7	12.856
400.8	46.5	89	192	1.9	-7.8	547	20	68	2.22	0.3	0.8	508.3	946.9	508.5	947.3	12.882
402	46	89	192	1.7	-7.8	552	20	68	2.21	0.3	0.8	507	944.6	507.1	944.9	12.908
403.2	45.6	89	192	1.6	-7.8	550	20	68	2.21	0.3	0.8	505.7	942.2	505.8	942.5	12.94
404.4	45.2	90	193	1.2	-7.8	546	20	68	2.21	0.3	0.8	503.5	938.3	503.7	938.7	12.907
405.6	44.9	90	194	0.8	-7.8	558	20	68	2.26	0.3	0.8	502.3	936.2	502.4	936.3	12.903
406.8	44.9	90	194	1.6	-7.8	560	20	68	2.32	0.3	0.8	501.2	934.2	501.3	934.3	12.818
408	41.8	90	194	3.9	-7.8	596	20	68	1.95	0.3	0.8	500.2	932.3	500.3	932.5	13.219
409.2	35.1	90	194	6.4	-7.8	795	20	68	1.78	0.2	0.8	498.6	929.5	498.9	929.9	13.763