

Time (s)	Absolute		Engine RPM (null)	Vehicle Speed (MPH)	Mass Air Flow Rate (lb/min)	Intake Air Temperature (°F)	Engine Coolant Temperature (°F)	Timing Advance for #1 cylinder (null)	O2 Bank 1 -	O2 Bank 1 -	O2 Bank 1 -	O2 Bank 1 -	Short Term Fuel Trim Bank 1 (null)	Long Term Fuel Trim Bank 1 (null)
	Calculated Engine Load Value (null)	Throttle Position (null)							Sensor 1 - Oxygen Sensor Voltage (null)	Sensor 2 - Oxygen Sensor Voltage (null)	Sensor 1 - Short Term Fuel Trim (null)	Sensor 2 - Short Term Fuel Trim (null)		
1.6	28.1		700	0			208							
3.2	27.9	5.7	700	0	0.5		208		0.43	0.77				
4.8	27.8	5.5	700	0	0.5		208		0.43	0.77				
6.4	27.8	5.7	700	0	0.5		208		0.432	0.767				
8	27.8	5.8	700	0	0.5		208		0.435	0.76				
9.6	27.8	5.5	700	0	0.5		208		0.43	0.76				
11.2	27.8	5.7	700	0	0.5		208		0.429	0.761				
12.8	27.9	5.9	700	0	0.5		208		0.425	0.77				
14.4	28.2	5.5	697	0	0.5		208		0.43	0.762				
16	27.8	5.6	687	0	0.5		208		0.435	0.75				
17.6	27.8	5.9	693	0	0.5		208		0.43	0.756				
19.2	27.8	5.9	701	0	0.5		208		0.43	0.76				
20.8	27.8	5.9	712	0	0.5		208		0.43	0.76				
22.4	27.8	5.9	708	0	0.5		208		0.433	0.755				
24	27.8	5.9	700	0	0.5		208		0.435	0.75				
25.6	27.8	5.9	700	0	0.5		208		0.435	0.751				
27.2	27.8	5.7	702	0	0.5		208		0.435	0.75				
28.8	27.8	5.5	712	0	0.5		208		0.435	0.75				
30.4	27.8	5.5	712	0	0.5		208		0.435	0.75				
32	27.5	5.6	712	0	0.5		208		0.434	0.75				
33.6	27.6	5.9	706	0	0.5		208		0.43	0.77				
35.2	27.8	5.9	702	0	0.5		208		0.432	0.767				
36.8	27.7	5.9	712	0	0.5		208		0.435	0.76				
38.4	27.5	5.9	712	0	0.5		208		0.43	0.772				
40	27.1	5.9	712	0	0.5		208		0.426	0.79				
41.6	27.2	5.9	712	0	0.5		208		0.43	0.784				
43.2	27.5	5.9	712	0	0.5		208		0.432	0.776				
44.8	27.3	5.9	712	0	0.5		208		0.435	0.76				
46.4	27.1	5.9	711	0	0.5		208		0.435	0.76				
48	27.2	5.9	700	0	0.5		208		0.435	0.76				
49.6	27.1	5.9	700	0	0.5		208		0.43	0.763				
51.2	27.1	5.9	700	0	0.5		208		0.43	0.77				
52.8	27.1	5.9	700	0	0.5		208		0.43	0.771				
54.4	27.2	5.9	707	0	0.5		208		0.43	0.78				
56	27.5	5.9	712	0	0.5		208		0.435	0.766				
57.6	27.3	5.9	712	0	0.5		208		0.439	0.74				
59.2	27.1	5.9	712	0	0.5		208		0.435	0.75				
60.8	27.1	5.9	712	0	0.5		208		0.435	0.755				
62.4	27.1	5.8	712	0	0.5		207		0.435	0.77				
64	27.2	5.5	708	0	0.5		207		0.43	0.775				
65.6	27.5	5.6	700	0	0.5		207		0.431	0.779				
67.2	27.2	5.9	700	0	0.5		207		0.435	0.76				
68.8	26.7	5.7	700	0	0.5		207		0.43	0.764				
70.4	26.9	5.5	700	0	0.5		207		0.425	0.77				
72	27.1	5.5	705	0	0.5		207		0.425	0.775				
73.6	27.1	5.7	712	0	0.5		207		0.428	0.778				
75.2	27.1	5.9	705	0	0.5		207		0.435	0.76				
76.8	27.1	5.5	703	0	0.5		207		0.43	0.769				
78.4	27.1	5.5	712	0	0.5		207		0.427	0.779				
80	27.1	5.5	706	0	0.5		207		0.435	0.76				
81.6	27.1	5.5	700	0	0.5		207		0.433	0.763				
83.2	27.1	5.5	700	0	0.5		207		0.43	0.77				
84.8	27.1	5.9	704	0	0.5		207		0.433	0.765				
86.4	27.1	5.9	712	0	0.5		207		0.434	0.761				
88	27.1	5.9	705	0	0.5		206		0.43	0.77				
89.6	27.1	5.7	700	0	0.5		205		0.432	0.766				
91.2	27.1	5.5	700	0	0.5		205		0.435	0.76				
92.8	27.1	5.5	705	0	0.5		205		0.43	0.766				
94.4	27.1	5.5	712	0	0.5		205		0.43	0.77				
96	27.1	5.5	700	0	0.5		205		0.43	0.77				
97.6	27.1	5.5	700	0	0.5		205		0.43	0.765				
99.2	27.1	5.6	700	0	0.5		205		0.43	0.76				
100.8	27.1	5.9	700	0	0.5		205		0.43	0.76				
102.4	27.1	5.7	701	0	0.5		205		0.43	0.76				
104	26.9	5.5	712	0	0.5		205		0.43	0.76				
105.6	26.7	5.9	712	0	0.5		204		0.427	0.765				
107.2	26.7	5.8	712	0	0.5		203		0.426	0.769				
108.8	26.4	5.5	718	0	0.5		203		0.435	0.75				
110.4	25.5	5.5	725	0	0.5		203		0.435	0.752				
112	25.5	5.5	725	0	0.5		203		0.435	0.76				
113.6	25.5	5.9	725	0	0.5		203		0.43	0.769				
115.2	25.5	5.8	725	0	0.5		203		0.426	0.778				
116.8	25.6	5.5	718	0	0.5		203		0.43	0.76				
118.4	25.9	5.7	712	0	0.5		203		0.428	0.764				
120	25.7	5.9	712	0	0.5		203		0.426	0.77				
121.6	25.5	5.9	712	0	0.5		203		0.435	0.758				
123.2	25.5	5.7	712	0	0.5		203		0.433	0.752				
124.8	25.7	5.5	712	0	0.5		203		0.43	0.76				

126.4	25.9	5.5	712	0	0.5		203		0.43	0.76				
128	25.9	5.5	712	0	0.5		201		0.432	0.757				
129.6	25.9	5.5	708	0	0.5		201			0.74				
131.2	25.9	5.5	700	0	0.5		201		0.439	0.742				
132.8	25.9	5.5	700	0	0.5	99	201	3.8	0.435	0.75	8.6	99.2	8.5	-6.3
134.4	25.9	5.5	700	0	0.5	99	201	3.6	0.435	0.75	8.6	99.2	8.3	-6.3
136	25.8	5.5	700	0	0.5	99	200	3.4	0.435	0.749	8.6	99.2	8.1	-6.3
137.6	25.8	5.5	700	0	0.5	99	200	3.1	0.43	0.742	8.6	99.2	7.8	-6.3
139.2	25.8	5.5	700	0	0.5	98	200	3.2	0.43	0.742	8.5	99.2	7.6	-6.3
140.8	25.8	5.5	700	0	0.5	98	199	5.4	0.43	0.741	7.6	99.2	7.3	-6.3
142.4	25.7	5.5	699	0	0.5	98	199	5.7	0.43	0.741	7.4	99.2	7.1	-6.3
144	25.7	5.5	688	0	0.5	97	197	5.9	0.43	0.741	7.2	99.2	6.9	-6.3
145.6	25.7	5.5	688	0	0.5	97	197	6.1	0.43	0.74	7	99.2	6.6	-6.3
147.2	25.6	5.9	688	0	0.5	97	196	6.4	0.43	0.74	6.8	99.2	6.4	-6.3
148.8	25.6	5.9	687	0	0.5	97	196	6.6	0.43	0.739	6.6	99.2	6.2	-6.3
150.4	25.6	5.9	687	0	0.5	97	196	6.9	0.43	0.732	6.4	99.2	5.9	-6.3
152	25.6	5.9	687	0	0.5	97	196	7	0.43	0.731	6.2	99.2	5.7	-6.3
153.6	25.5	5.9	687	0	0.5	97	196	6.5	0.43	0.731	5.4	99.2	5.4	-6.3
155.2	25.5	5.9	687	0	0.5	97	196	6.7	0.43	0.73	5.2	99.2	5.2	-6.3
156.8	25.6	5.9	687	0	0.5	97	192	6.9	0.43	0.73	4.9	99.2	5	-6.3
158.4	25.5	5.9	687	0	0.4	97	192	7	0.43	0.731	4.7	99.2	4.7	-6.3
160	25.5	5.9	689	0	0.4	97	192	6.7	0.43	0.73	6.5	99.2	5.1	-6.3
161.6	25.9	5.8	700	0	0.5	97	189	6.9	0.429	0.73	6.4	99.2	6.4	-6.3
163.2	25.9	5.5	700	0	0.5	97	189	6.8	0.415	0.741	6.3	99.2	6.3	-6.3
164.8	25.9	5.5	738	0	0.5	97	188	2.2	0.415	0.74	9	99.2	10.8	-6.3
166.4	32.8	6.3	1020	1	0.8	97	185	2.1	0.416	0.74	15.2	99.2	24	-6.3
168	47.6	11.3	1023	4	2	97	185	2.3	0.425	0.721	15.6	99.2	24.8	-6.3
169.6	47.8	11.4	1038	4	2	100	185	15	0.425	0.721	12.1	99.2	20.6	-5
171.2	40.2	10.8	1178	5	1.8	100	185	15.5	0.424	0.72	3.4	99.2	4.9	1.8
172.8	20.1	5.5	1183	9	0.6	100	185	16	0.391	0.726	3.2	99.2	4.8	2.1
174.4	20	5.5	1201	9	0.6	100	185	20.5	0.39	0.74	6.1	99.2	4.6	2.3
176	27.8	6.1	1633	9	1	100	186	29.9	0.39	0.74	15.3	99.2	4.1	1.8
177.6	55	20.5	1641	10	4.3	100	189	30.9	0.404	0.725	15.5	99.2	4	2.1
179.2	55.2	20.7	1650	10	4.3	95	189	24.8	0.435	0.681	15.4	99.2	4	1.5
180.8	59.6	21	1738	12	4.4	95	190	7.8	0.435	0.68	14.5	99.2	4.9	-4.8
182.4	78.1	34.3	1923	22	4.8	95	194	8	0.438	0.692	14.7	99.2	4.8	-4.8
184	78.5	34.6	1934	22	4.9	93	194	8	0.445	0.74	14.2	99.2	5.1	-4.7
185.6	78.5	34.9	1997	23	4.9	87	194	7.8	0.445	0.74	8.6	99.2	12.3	-4.7
187.2	75.7	35.8	2181	28	5.1	86	196	7.9	0.446	0.742	8.6	99.2	12.4	-4.8
188.8	76.1	38	2194	28	5.4	85	196	11.1	0.45	0.76	8.3	99.2	12.5	-4.7
190.4	74.6	38.3	2165	29	5.4	80	196	38.2	0.45	0.76	-1.7	99.2	7.5	-3.6
192	21.7	32.9	1957	30	4.4	79	200	39.2	0.427	0.761	-2	99.2	-4.3	-0.2
193.6	21.7	5.9	1968	34	1.2	79	199	40	0.228	0.839	-2.3	99.2	-4.6	-0.1
195.2	21.6	5.9	1950	35	1.2	81	199	39.3	0.226	0.839	-7.1	99.2	-5.8	0.4
196.8	22.2	5.7	1697	34	1.2	81	200	40.2	0.242	0.834	-17.3	99.2	-8.8	2
198.4	23.5	4.3	1705	33	1.1	81	199	39.2	0.469	0.455	-17.9	99.2	-9.3	2.2
200	23.5	4.3	1691	33	1.1	81	199	-7.4	0.47	0.453	-13	99.2	-7.4	1.8
201.6	22.1	4.4	1290	33	1	81	199	-7.7	0.475	0.45	0.3	99.2	0.3	-1
203.2	17.4	5.9	1295	31	0.7	81	198	-8	1.01	0.339	0.1	99.2	0.1	-0.9
204.8	17.3	5.9	1299	31	0.7	81	198	-8.5	1.014	0.038	0	99.2	0	-0.8
206.4	17.5	5.9	1276	30	0.7	81	197	-9.6	1.019	0.032	0.3	99.2	0.3	-1
208	18.9	5.8	1207	20	0.7	81	196	-9.9	1.02	0.026	0.1	99.2	0.1	-0.9
209.6	18.8	5.5	1211	20	0.7	81	196	-7.7	1.013	0.02	2.8	99.2	1.4	-0.8
211.2	19.9	5.5	1242	20	0.7	81	196	4	1.018	0.014	23.6	99.2	23.6	-1.7
212.8	28.6	5.5	1343	24	0.8	81	196	4	1.02	0.012	23.9	99.2	23.9	-4
214.4	28.6	5.5	1347	25	0.9	81	196	2.6	1.013	0.04	23.4	99.2	24.2	-3.9
216	28.4	5.5	1324	25	0.9	81	196	-9.5	1.017	0.035	0.3	99.2	16.9	-3.2
217.6	22.5	5.5	1169	20	0.8	81	194	-9.8	0.94	0.074	0.2	99.2	0.2	-0.9
219.2	22.4	5.5	1172	9	0.6	81	194	-8.4	0.317	0.878	0	99.2	0	-0.8
220.8	22.4	5.5	1225	9	0.6	81	194	12.7	0.316	0.879	1.1	99.2	0.8	-0.6
222.4	33.2	6.8	1736	9	1.1	81	192	12.8	0.321	0.88	1	99.2	3.2	-0.2
224	59.3	16.4	1743	11	3.6	80	192	13	0.44	0.85	0.8	99.2	3.1	-0.1
225.6	59.5	16.4	1757	11	3.6	80	192	11.6	0.44	0.78	1.1	99.2	2.9	-0.5
227.2	63.5	17.2	1918	14	3.7	79	192	7.9	0.44	0.78	2.5	99.2	1.8	-4.8
228.8	76.8	28.6	1927	26	4.4	79	191	8	0.444	0.782	2.4	99.2	1.7	-4.7
230.4	77.1	28.8	1935	26	4.4	78	190	8	0.455	0.79	2.6	99.2	2	-4.6
232	69.5	29	1820	27	4.4	76	191	7.9	0.455	0.79	4.8	99.2	7	2
233.6	20.5	23.1	1468	32	3.3	75	194	8	0.551	0.698	4.7	99.2	7	2.2
235.2	20.4	5.5	1473	32	0.8	75	194	6.4	1.014	0.009	4.5	99.2	7.2	2.3
236.8	22.9	5.5	1452	32	0.8	76	194	-8.4	1.018	0.004	0.4	99.2	16.8	2.3
238.4	60.9	5.5	1314	29	1.2	76	196	-8.6	0.96	0.005	0.3	99.2	16.9	2
240	61.1	5.5	1318	29	2.6	75	196	-8.8	0.459	0.094	0.1	99.2	17	2.1
241.6	61.4	5.5	1322	30	2.7	75	196	-8.5	0.46	0.09	0	99.2	17.2	2.2
243.2	61.6	5.5	1393	30	2.7	74	196	14.7	0.46	0.085	3.3	99.2	16.1	1.2
244.8	65	8.6	2071	31	3.1	74	196	14.8	0.459	0.08	10.9	99.2	12.4	-4
246.4	72.6	32.6	2080	36	4.8	73	196	15	0.435	0.301	10.9	99.2	12.5	-3.9
248	72.9	32.8	2084	36	4.9	71	196	10.8	0.435	0.839	9.8	99.2	11.2	-3.9
249.6	71	31.9	2033	37	4.6	70	194	10.9	0.435	0.84	7	99.2	6.3	-4
251.2	65.1	12.8	2041	39	2.6	70	194	11	0.47	0.647	7	99.2	6.3	-3.9
252.8	65.4	12.9	2050	40	2.6	69	194	11.5	0.549	0.047	9.6	99.2	6.6	-3.9
254.4	66.4	12.9	2031	40	2.7	68	194	12.8	0.55	0.042	19.3	99.2	8.6	-4
256	71	16.1	1977	44	4.1	68	194	12.9	0.53	0.173	19.4	99.2	8.6	-3.9
257.6	71.2	23.4	1985	45	4.1	68	194	16.7	0.465	0.8	20.1	99.2	8.1	-3.9
259.2	65	23.5	1907	45	4.1	67	194	33.4	0.465	0.8	24.6	99.2	0.2	-2.9
260.8	17.7	18.8	1642	43	3.1	66	196	33.8	0.58	0.683	24.8	99.2	0.1	-0.9
262.4	17.6	5.5	1648	43	0.8	67	196	28.8	1.014	0.008	23.4	99.2	0	-0.8

264	17.5	5.5	1612	43	0.8	69	196	-6.8	1.018	0.004	0.2	99.2	0.2	-0.8
265.6	16.2	5.6	1443	37	0.7	68	194	-6.9	1.02	0	0.1	99.2	0.1	-0.9
267.2	16.2	5.9	1447	37	0.6	68	194	-7.1	1.014	0.009	0	99.2	0	-0.8
268.8	16.1	5.9	1433	37	0.6	70	194	-8.7	1.017	0.005	0	99.2	0	-0.8
270.4	17.4	5.8	1319	36	0.6	70	192	-8.9	1.02	0	0.1	99.2	0.1	-0.9
272	17.4	5.5	1322	33	0.7	70	192	-8.7	1.013	0	0	99.2	0	-0.8
273.6	17.3	5.5	1335	33	0.7	70	192	7.9	1.016	0.005	1.8	99.2	0.8	-1.3
275.2	30.3	6.4	1428	33	0.8	70	191	7.9	1.02	0.001	7	99.2	4	-3.9
276.8	72.5	22.5	1433	31	2.1	70	191	8	0.852	0.197	7	99.2	3.9	-3.9
278.4	72.8	22.6	1437	31	2.1	69	190	8.2	0.485	0.78	6.4	99.2	4.8	-3.9
280	64	22.4	1543	32	2	68	190	8.9	0.485	0.78	4	99.2	10.9	-4
281.6	26.7	5.5	1768	36	0.9	68	191	9	0.623	0.631	3.9	99.2	10.9	-3.9
283.2	26.7	5.5	1774	36	0.9	68	190	5.8	1.015	0.008	3.4	99.2	10.2	-3.9
284.8	25.7	5.5	1647	35	0.9	68	190	-8.8	1.019	0.003	0.2	99.2	0.2	-0.9
286.4	18.9	5.6	1245	22	0.7	68	191	-8.9	1.02	0	0.1	99.2	0.1	-0.9
288	18.9	5.9	1248	22	0.7	68	190	-7.2	1.014	0.009	0.8	99.2	0	-0.8
289.6	18.9	5.9	1196	22	0.7	70	190	11.8	1.017	0.004	24.7	99.2	6.9	-0.8
291.2	39.5	6.2	873	18	0.8	70	191	11.9	0.991	0	24.8	99.2	24.8	-0.9
292.8	39.5	9	874	4	1.6	70	191	12.2	0.47	0.04	25	99.2	24.9	-0.8
294.4	39.6	9	897	4	1.6	69	190	22.6	0.47	0.134	25	99.2	25	-0.5
296	41.8	9.6	1676	5	1.9	68	190	22.8	0.47	0.131	24.8	99.2	24.7	2.1
297.6	49.2	20.2	1681	11	4.3	68	191	22.9	0.452	0.223	24.9	99.2	24.9	2.2
299.2	49.3	20.3	1686	11	4.3	68	190	20.5	0.41	0.522	23.1	99.2	23.3	2.1
300.8	53.7	20.4	1799	12	4.4	68	190	10.9	0.41	0.521	11.7	99.2	6.3	-4.7
302.4	77.6	27.7	2090	22	4.6	68	189	11	0.392	0.575	11.7	99.2	6.3	-4.7
304	77.8	44.8	2098	22	4.6	68	189	10.1	0.336	0.889	8.4	99.2	5.4	-4.7
305.6	79.4	45	2152	22	4.6	67	189	5	0.335	0.89	-22.2	99.2	-22.8	-3.3
307.2	93.1	47.2	2325	26	5.2	66	191	5	0.351	0.885	-22.5	99.2	-23.1	-0.1
308.8	93.4	53.7	2333	26	6.6	66	190	5.3	0.44	0.829	-22.8	99.2	-23.4	0
310.4	93.9	54	2378	26	6.6	67	191	7.9	0.44	0.83	-24.4	99.2	-23.9	-0.4
312	99.2	55	2570	26	7	66	196	8	0.392	0.835	-24.7	99.2	-24.7	-1.7
313.6	99.6	58.7	2579	26	8.1	66	196	7.9	0.004	0.928	-24.6	99.2	-25	-1.6
315.2	99.9	59	2570	26	8.1	69	196	6.9	0.002	0.929	0.2	99.2	-18.6	-1.3
316.8	99.7	59.1	2321	24	7.8	68	198	7	0	0.93	0.1	99.2	0.1	-0.1
318.4	98.3	57.5	2329	16	6	68	198	7	0.005	0.939	0	99.2	0	0
320	98.7	57.8	2335	16	6	69	198	6.5	0.002	0.959	0	99.2	0	-0.2
321.6	96.7	58	2160	16	5.9	68	198	5	0	0.96	0.1	99.2	0.1	-1.7
323.2	88.6	56.5	2168	21	5.1	68	199	5	0	0.96	0	99.2	0	-1.6
324.8	88.9	56.8	2175	21	5.1	68	199	5	0.005	0.951	-1	99.2	0	-1.6
326.4	89.8	57	2150	22	5.1	70	200	5	0.003	0.952	-10.1	99.2	0.6	-1.8
328	97.8	57.3	1939	22	5.1	70	205	5	0.001	0.953	-10.3	99.2	0.6	-1.8
329.6	98.2	57.4	1945	22	4	70	205	5	0	0.954	-10.4	99.2	0.5	-1.8
331.2	98.5	57.1	1951	22	4	69	205	5	0.011	0.955	-10.6	99.2	0.4	-1.7
332.8	98.8	57.4	1957	22	4	69	205	5	0.009	0.956	-10.7	99.2	0.4	-1.7
334.4	99.2	57.6	1963	22	4	69	205	4.9	0.007	0.957	-10.9	99.2	0.3	-1.7
336	99.5	57.9	1969	22	4.1	69	205	2.1	0.005	0.958	-8.9	99.2	0.2	-1.6
337.6	99.9	58.1	1975	22	4.1	69	205	2	0.003	0.959	0.2	99.2	0.2	-1.6
339.2	99.1	58.4	2038	22	4.2	68	206	2	0.001	0.96	0.1	99.2	0.1	-1.7
340.8	94.4	58.1	2178	21	6.8	68	208	2	0	0.953	0	99.2	0	-1.6
342.4	94.7	57	2185	21	6.9	68	208	4.5	0.003	0.919	2.5	99.2	0.8	-1.6
344	92.4	57.2	2174	21	6.9	68	208	14.9	0.001	0.92	18.7	99.2	10.9	-3.9
345.6	67.9	46.7	2115	22	6	68	208	15	0.051	0.911	18.7	99.2	10.9	-3.9
347.2	68	12.5	2122	22	3.9	68	208	17	0.296	0.839	18.4	99.2	10.9	-3.9
348.8	65.9	12.5	1989	22	3.9	67	208	29.7	0.295	0.84	10.9	99.2	12.3	-2.4
350.4	25.5	11.1	1296	22	3.1	66	208	29.8	0.39	0.782	10.9	99.2	15.5	2.2
352	25.5	5.5	1298	22	0.8	66	208	28	1.015	0.007	10.9	99.2	15.6	2.3
353.6	25.5	5.5	1290	22	0.8	67	208	-9.8	1.018	0.004	7.5	99.2	11.7	2.3
355.2	30.9	6.8	1208	21	1.1	66	208	-9.9	0.979	0	0.1	99.2	0.1	2.2
356.8	43	16	1210	15	2.2	66	208	-10	0.465	0.02	0	99.2	0	2.3
358.4	43.1	16.1	1256	15	2.2	67	208	-3	0.465	0.074	2.1	99.2	0.9	1.5
360	47.7	16.1	2112	16	2.3	66	208	12.9	0.465	0.071	8.6	99.2	4.7	-3.9
361.6	61.8	18.7	2118	23	3.9	66	208	13	0.454	0.111	8.6	99.2	4.7	-3.9
363.2	61.9	18.7	2125	24	3.9	66	208	13.7	0.425	0.263	8.7	99.2	4.2	-3.6
364.8	57.7	18.8	1873	24	3.8	65	208	15.9	0.425	0.261	9.4	99.2	0.1	2.2
366.4	36	15	1259	23	1.2	64	205	16	0.416	0.359	9.4	99.2	0	2.2
368	36.1	6.7	1261	24	1.2	64	205	18.4	0.39	0.79	6.9	99.2	-0.6	2.3
369.6	39	6.7	1250	24	1.2	65	204	26.8	0.39	0.79	-10.7	99.2	-11.4	2.3
371.2	60.6	8.7	1209	25	1.5	64	203	26.9	0.411	0.696	-10.8	99.2	-11.6	2.2
372.8	60.7	14.5	1211	25	2.2	64	203	24.4	0.495	0.095	-9	99.2	-11.1	2.3
374.4	61	14.5	1298	25	2.2	65	203	8.9	0.495	0.092	12.4	99.2	7.8	0.6
376	62.1	16	1630	31	2.4	65	205	9	0.488	0.142	12.5	99.2	7.8	-3.9
377.6	62.3	21.5	1634	31	2.8	64	205	9.6	0.45	0.77	12.5	99.2	7.8	-3.9
379.2	62.4	21.6	1602	31	2.8	63	205	19.8	0.45	0.77	16.4	99.2	5.8	-2.7
380.8	29.4	19.9	1320	31	2.5	63	203	19.9	0.449	0.77	24.9	99.2	0.1	2.2
382.4	29.4	5.1	1323	31	1	63	203	20	0.425	0.573	25	99.2	0	2.3
384	29.4	5.1	1347	31	1	65	203	21.8	0.425	0.123	17.7	99.2	-0.5	2
385.6	33.6	5.4	1629	31	1.1	65	202	21.9	0.425	0.121	-3	99.2	-2.2	-0.1
387.2	48.9	17.9	1633	30	2.4	64	201	22	0.416	0.236	-3.1	99.2	-2.3	0
388.8	49	18	1637	30	2.4	64	201	18.8	0.395	0.611	-2.7	99.2	-2.1	-0.3
390.4	53.2	18.3	1745	30	2.5	63	201	9	0.395	0.61	-0.7	99.2	-0.7	-3.9
392	71.5	32.3	1993	27	3.9	63	199	9	0.41	0.612	-0.8	99.2	-0.8	-3.9
393.6	71.7	32.4	1999	27	3.9	62	199	9.6	0.455	0.621	-0.5	99.2	-0.7	-3.9
395.2	71.8	32.5	2042	27	3.9	61	199	12.9	0.455	0.621	1.7	99.2	0.9	-3.9
396.8	71.1	33.1	2178	30	4.2	61	198	13	0.454	0.626	1.6	99.2	0.9	-3.9
398.4	71.2	34.7	2184	30	4.9	61	198	12.8	0.45	0.76	1.5	99.2	0.8	-3.9
400	71.5	34.8	2198	30	4.9	61	198	9.9	0.45	0.76	-8.4	99.2	-2	-4.1

401.6	78.8	34.6	2251	31	5	61	198	10	0.452	0.76	-8.5	99.2	-9.3	-4.7
403.2	79	32.3	2257	36	5.5	61	198	9.8	0.49	0.757	-8.6	99.2	-9.4	-4.7
404.8	79.2	32.4	2253	36	5.6	61	198	-2.9	0.49	0.75	-6.5	99.2	-7.5	-4.2
406.4	64.1	30.7	2088	35	5	61	198	-3	0.499	0.75	0.1	99.2	0.1	-1.7
408	16.6	5.1	2094	32	1	61	199	-3	1.015	0.556	0	99.2	0	-1.6
409.6	16.5	5.1	2099	32	1	63	199	-2.8	1.017	0.004	0	99.2	0	-1.6
411.2	16.6	5.1	2124	32	1	63	199	-2	1.019	0.001	0.1	99.2	0.1	-1.7
412.8	17	5.2	2180	32	0.9	63	198	-2	1.02	0	0	99.2	0	-1.6
414.4	16.9	5.5	2186	32	0.9	63	198	-3.2	1.017	0.005	0	99.2	0	-1.6
416	17.5	5.5	1983	32	0.9	63	197	-8.9	1.019	0.002	0.1	99.2	0.1	-1.3
417.6	21.6	5.5	1322	32	0.8	63	196	-9	1.02	0	0	99.2	0	-0.8
419.2	21.6	5.5	1324	32	0.8	63	196	-8.3	1.016	0.005	0	99.2	0	-0.8
420.8	23.8	5.5	1366	32	0.8	63	196	11.6	1.019	0.002	0.2	99.2	0.2	-0.8
422.4	80.5	8	2106	24	0.8	63	196	11.6	0.99	0.003	0.2	99.2	0.2	-0.9
424	80.7	38	2112	24	1	63	196	11.6	0.469	0.116	0.1	99.2	0.1	-0.9
425.6	80.9	38.2	2117	25	1	63	196	11.7	0.469	0.114	0.1	99.2	0.1	-0.8
427.2	81.1	38.3	2122	25	1	64	196	11.7	0.469	0.111	0	99.2	0	-0.8
428.8	81.3	38.4	2128	25	1	64	196	11.8	0.47	0.109	0	99.2	-0.1	-1
430.4	81.5	38.5	2133	25	1	63	196	11.8	0.47	0.106	0.2	99.2	-1.3	-4
432	80.6	38.7	2138	25	1	63	195	11.8	0.47	0.104	0.2	99.2	-1.4	-4
433.6	71.2	38.8	2143	26	1	63	192	11.9	0.47	0.101	0.1	99.2	-1.4	-3.9
435.2	71.4	32.3	2149	26	1	63	192	11.9	0.452	0.093	0.1	99.2	-1.5	-3.9
436.8	71.5	5.5	2154	26	1	63	192	12	0.356	0.047	0	99.2	-1.5	-3.9
438.4	71.7	5.5	2159	26	1	63	192	9.8	0.355	0.045	0	99.2	-1.6	-3.9
440	68.7	5.5	2027	26	1	63	192	-7.9	0.355	0.042	0.1	99.2	-1.1	-3.1
441.6	18.5	5.5	1346	23	0.9	63	194	-7.9	0.453	0.038	0	99.2	0.1	-0.8
443.2	18.4	5.5	1348	17	0.7	63	194	-6.8	1.016	0.006	0	99.2	0	-0.8
444.8	18.5	5.5	1324	17	0.7	65	194	13.9	1.018	0.003	1.5	99.2	1	-0.8
446.4	23.1	5.7	1109	15	0.7	65	196	14	0.993	0	4.7	99.2	3.9	-0.8
448	23.1	7.5	1111	10	0.8	64	196	14.3	0.465	0.057	4.7	99.2	3.9	-0.8
449.6	23.1	7.5	1119	10	0.8	65	196	33.7	0.465	0.182	3.4	99.2	2.2	-0.3
451.2	23.7	7.3	1209	10	0.8	65	196	33.8	0.465	0.18	0.1	99.2	-3.8	2.2
452.8	25.5	5.1	1210	9	0.8	64	196	34	0.455	0.252	0	99.2	-3.9	2.3
454.4	25.5	5.1	1203	9	0.8	65	196	25.4	0.455	0.441	-1.4	99.2	-3.9	1.4
456	27.6	5.1	762	7	0.8	65	196	5	0.455	0.44	-6.2	99.2	-3.8	-6.3
457.6	34.5	5.5	762	0	0.8	64	196	5	0.434	0.521	-6.3	99.2	-3.9	-6.3
459.2	34.5	5.5	762	0	0.8	65	196	10.7	0.39	0.76	-4.6	99.2	-3.3	-6.3
460.8	34.7	5.5	792	0	0.8	65	196	26.9	0.39	0.76	3.1	99.2	1.7	-6.3
462.4	35.7	5.1	861	2	0.9	64	196	27	0.401	0.748	3.1	99.2	1.6	-6.3
464	35.7	5.1	862	2	0.9	65	196	23.2	0.43	0.7	3	99.2	1.7	-6.3
465.6	35.8	5.1	828	2	0.9	66	196	9	0.43	0.7	2.3	99.2	3.1	-6.3
467.2	36.1	5.1	737	0	0.6	66	198	9	0.435	0.703	2.3	99.2	3.1	-6.3
468.8	36.1	5.1	737	0	0.7	67	198	11.4	0.45	0.72	3.5	99.2	3.2	-6.3
470.4	35.8	5.1	769	0	0.7	70	198	22.9	0.45	0.72	12.5	99.2	5.5	-6.3
472	32.9	5.2	886	4	0.7	70	198	22.9	0.452	0.657	12.5	99.2	5.5	-6.3
473.6	32.9	5.5	887	4	0.7	70	198	20.5	0.46	0.144	12.3	99.2	5.6	-6.3
475.2	32.9	5.5	890	4	0.7	72	198	2	0.46	0.142	10.2	99.2	10.9	-6.3
476.8	35.6	5.4	911	3	0.8	72	199	2	0.457	0.158	10.2	99.2	10.9	-6.3
478.4	35.7	5.1	911	1	0.8	72	199	2	0.43	0.76	10.2	99.2	10.9	-6.3
480	35.7	5.1	904	1	0.8	75	199	2.9	0.43	0.76	9.3	99.2	9.9	-6.3
481.6	35.9	5.1	687	1	0.8	75	200	5	0.43	0.76	6.3	99.2	4.7	-6.3
483.2	36.5	5.1	687	1	0.7	75	201	5	0.411	0.776	6.3	99.2	4.7	-6.3
484.8	36.5	5.1	687	1	0.7	75	201	3.9	0.365	0.83	6.2	99.2	4.8	-6.3
486.4	35.2	5.1	697	1	0.7	75	202	0	0.365	0.83	5.5	99.2	5.5	-6.3
488	27.5	5.2	725	0	0.6	75	203	0	0.379	0.822	5.5	99.2	5.5	-6.3
489.6	27.5	5.5	725	0	0.5	76	203	1.4	0.435	0.77	5.1	99.2	5.3	-6.3
491.2	27.4	5.5	714	0	0.5	79	203	8	0.435	0.77	2.3	99.2	2.4	-6.3
492.8	25.9	5.5	675	0	0.5	79	205	8	0.431	0.776	2.3	99.2	2.3	-6.3
494.4	25.9	5.5	675	0	0.5	79	205	8.1	0.41	0.82	2.8	99.2	2.3	-6.3
496	25.9	5.5	673	0	0.5	79	205	9	0.41	0.82	9.4	99.2	4.4	-6.3
497.6	25.9	5.5	662	0	0.5	79	207	9	0.405	0.822	9.4	99.2	9.4	-6.3
499.2	25.9	5.5	662	0	0.5	79	207	9	0.365	0.85	9.4	99.2	9.4	-6.3
500.8	25.9	5.5	662	0	0.5	81	207	9	0.365	0.85	5.6	99.2	5.8	-6.3
502.4	26.7	5.4	662	0	0.5	81	207	9	0.372	0.847	-3	99.2	-4.6	-6.3
504	26.7	5.1	662	0	0.5	81	207	9	0.435	0.79	-3.1	99.2	-4.7	-6.3
505.6	26.7	5.1	663	0	0.5	81	207	8.7	0.435	0.79	-4.3	99.2	-5.3	-6.3
507.2	27.1	5.1	687	0	0.5	81	208	8	0.435	0.79	-7.7	99.2	-7.7	-6.3
508.8	28.2	4.7	687	0	0.5	81	208	8	0.441	0.763	-7.8	99.2	-7.8	-6.3
510.4	28.2	4.7	687	0	0.5	83	208	7.7	0.455	0.68	-7.6	99.2	-7.7	-6.3
512	28.1	4.7	675	0	0.5	82	208	7	0.455	0.68	-6.9	99.2	-6.9	-6.3
513.6	27.8	4.8	675	0	0.5	82	208	7	0.449	0.7	-7	99.2	-7	-6.3
515.2	27.8	5.1	675	0	0.5	82	208	7.2	0.43	0.78	-6.2	99.2	-6.5	-6.3
516.8	27.8	5.1	681	0	0.5	82	208	8	0.43	0.78	-1.5	99.2	-0.7	-6.3
518.4	28.2	5.1	700	0	0.5	82	208	8	0.429	0.754	-1.6	99.2	-0.8	-6.3
520	28.2	5.1	700	0	0.5	83	208	7.8	0.406	0.484	-1.5	99.2	-0.8	-6.3
521.6	28.2	5.1	700	0	0.5	84	209	5	0.406	0.483	1.8	99.2	-0.3	-6.3
523.2	28.2	5.1	700	0	0.5	84	210	5	0.406	0.482	1.7	99.2	-0.3	-6.3
524.8	28.2	5.1	700	0	0.5	84	210	5	0.406	0.481	1.7	99.2	-0.4	-6.3
526.4	28.2	5.1	700	0	0.5	84	210	5	0.406	0.48	1.7	99.2	-0.4	-6.3
528	28.2	5.1	700	0	0.5	84	210	5	0.406	0.516	1.6	99.2	-0.4	-6.3
529.6	28.2	5.1	700	0	0.5	84	210	5	0.406	0.79	1.6	99.2	-0.5	-6.3
531.2	28.2	5.1	700	0	0.5	84	210	5.3	0.406	0.79	1.4	99.2	-0.5	-6.3
532.8	28.2	5.1	700	0	0.5	86	210	7.9	0.406	0.79	-0.6	99.2	-0.6	-6.3
534.4	28.2	5.1	700	0	0.5	86	211	7.9	0.406	0.79	-0.6	99.2	-0.6	-6.3
536	28.2	5.1	700	0	0.5	86	215	7.9	0.405	0.79	-0.6	99.2	-0.6	-6.3
537.6	28.2	5.1	700	0	0.5	86	216	8	0.405	0.79	-0.7	99.2	-0.7	-6.3

539.2	28.2	5.1	700	0	0.5	86	216	8	0.405	0.79	-0.7	99.2	-0.7	-6.3
540.8	28.2	5.1	700	0	0.5	86	216	8	0.405	0.794	-0.7	99.2	-0.7	-6.3
542.4	28.2	5.1	700	0	0.5	86	216	8	0.405	0.81	-0.8	99.2	-0.8	-6.3
544	28.2	5.1	700	0	0.5	86	216	8	0.405	0.81	0.3	99.2	0	-6.3
545.6	28.1	5.1	700	0	0.5	86	215	8	0.405	0.81	5.5	99.2	5.5	-6.3
547.2	27.8	5	700	0	0.5	86	214	8	0.417	0.763	5.5	99.2	5.5	-6.3
548.8	27.8	4.7	700	0	0.5	86	214	7.9	0.46	0.501	5.1	99.2	5.5	-6.3
550.4	27.8	4.7	698	0	0.5	88	213	7	0.46	0.501	-1.5	99.2	3.1	-6.3
552	28.2	4.8	687	0	0.5	88	210	7	0.451	0.524	-1.6	99.2	-2.3	-6.3
553.6	28.2	5.1	687	0	0.5	88	210	7.1	0.39	0.83	-1.6	99.2	-2.3	-6.3
555.2	28.2	5.1	687	0	0.5	88	210	8	0.39	0.83	-0.4	99.2	-0.7	-6.3
556.8	27.8	5.1	687	0	0.5	88	210	8	0.392	0.83	2.3	99.2	3.9	-6.3
558.4	27.8	5.1	687	0	0.5	90	210	8	0.465	0.677	2.3	99.2	3.9	-6.3
560	27.8	5.1	686	0	0.5	90	210	7.7	0.465	0.312	2.1	99.2	3	-6.3
561.6	27.8	5.1	662	0	0.5	90	211	7	0.465	0.31	1.6	99.2	-0.7	-6.3
563.2	27.8	5.1	662	0	0.5	90	214	7	0.451	0.402	1.6	99.2	-0.8	-6.3
564.8	27.8	5.1	662	0	0.5	90	214	7.3	0.42	0.67	0.8	99.2	-1	-6.3
566.4	27.8	5.1	670	0	0.5	90	214	8	0.42	0.67	-2.2	99.2	-2.2	-6.3
568	27.8	5.1	687	0	0.5	90	214	8	0.414	0.705	-2.3	99.2	-2.3	-6.3
569.6	27.8	5.1	687	0	0.5	90	214	7.8	0.4	0.83	-1.1	99.2	-1.5	-6.3
571.2	27.8	5.1	687	0	0.5	90	214	7	0.4	0.83	5.5	99.2	6.3	-6.3
572.8	27.5	5	687	0	0.5	90	214	7	0.4	0.83	5.5	99.2	6.3	-6.3
574.4	27.5	4.7	0	6.3	0.5	90	214	5.5	687	7	-6.3	99.2		
576	27.5	4.7			0.5	0	214		-6.3			687		