

BlueDriver Data Log
12/11/19 12:Nov AM

Time(s)	Fuel Rail Pressure (kPa)		Engine RPM (rpm)	Command							Intake	
				Commanded EGR (%)	EGR Error (%)	Accelerator Pedal Position D (%)	Accelerator Pedal Position E (%)	Commanded Throttle Actuator (%)	Mass Air Flow Rate (g/s)	Absolute Throttle Position (%)	Calculated Engine Load (%)	Manifold Absolute Pressure (kPa)
0	59257								22.16	93.7		
1.1	36564			44	-0.5	48.7	16.9	0	23.5	93.7	16	
2.2	23292		789	48.2	0.7	35.5	16.9	0	19.47	93.7	20.5	
3.3	27700	-4408	773	55.8	-0.3	34.5	16.7	0	14.62	93.7	23	
4.4	24211	3489	781	58.3	0.2	29.6	16.5	0	13.44	93.7	23.9	
5.5	24518	-307	773	58.1	0.8	1.8	16.5	0	12.07	93.7	24.8	
6.6	25261	-743	771	51.5	-0.1	0	16.5	0	11.45	93.7	25.8	
7.7	24791	470	774	47.9	1.5	16.8	16.5	0	11.53	93.7	26.2	
8.8	24795	-4	770	43.9	1.6	33.7	16.5	0	12.19	93.7	25.1	
9.9	24569	226	772	41.5	0.8	33.7	16.5	0	12.24	93.7	24.6	
11	24464	105	769	40.8	0.8	33.7	16.5	0	12.5	93.7	26.6	
12.1	24810	-346	768	40.8	0.7	33.7	16.5	0	12.66	93.7	27.8	
13.2	24880	-70	773	41	0.8	33.7	16.5	0	12.75	93.7	26.2	
14.3	24983	-103	772	41.4	0.7	34	16.5	0	12.68	93.7	12.7	
15.4	25173	-190	770	42.7	0	33.7	16.5	0	12.83	93.7	13	
16.5	24548	625	769	42	0.4	33.7	16.5	0	12.45	93.7	13.7	
17.6	24422	126	769	41.4	0.3	30.7	16.5	0	12.68	93.7	13.4	
18.7	24466	-44	768	41.2	-0.8	0.8	16.5	0	12.88	93.7	13.1	
19.8	25070	-604	769	40.8	-0.3	17.2	16.5	0	12.95	93.7	13.1	
20.9	24174	896	773	40.8	0	33.7	16.5	0	12.7	93.7	13.3	
22	23977	197	771	40.9	0.1	33.8	16.5	0	12.79	93.7	13.9	
23.1	24308	-331	771	41.2	0.8	10.4	16.5	0	13.03	93.7	13.8	
24.2	24210	98	770	41.2	0.3	14.8	16.5	0	13.01	93.7	13.3	
25.3	24344	-134	771	41.2	0.2	33.7	16.5	0	13	93.7	13.3	
26.4	24457	-113	770	41.2	0.8	33.9	16.5	0	13.03	93.7	12.9	
27.5	24598	-141	725	40.8	0.8	33.7	16.5	6.8	13.1	93.7	9.5	
28.6	29202		267	32.2	-5.8	33.7	16.5	20	3.13	48.8	0.1	
29.7	33944		143	20	-19.5	33.9	16.5	33.6	1.77	24.5	0	
30.8	27736		0	20.2	-19.3	33.7	16.5	24.3	0	48.6	0	
31.9	24055		4	23.5	-31	33.7	16.5	0	0.18	93.7	0	
33	20579		0	36.7	-37.8	33.7	16.5	0	0	93.7	0.1	
34.1	17759		0	76.3	-1.6	34	16.5	0	0	93.7	0	
35.2	17168		0	59	-6.4	33.7	16.5	0	0.02	93.7	0	
36.3	15836		49	20.6	-18.9	34.7	16.5	0	0	93.7	0.9	
37.4	14288		25	20	-19.4	34.1	16.5	0	0.73	93.7	0.4	
38.5	10593		1	20.6	-19.5	33.7	16.5	0	0.12	93.7	0	
39.6	9269		0	20	-19.5	33.9	16.5	0	0	93.7	0.3	
40.7	8644		8	20.5	-19.5	33.9	16.5	0	0.25	93.7	0	
41.8	7417		0	20	-19.5	34.2	16.5	0	0	93.7	0.2	
42.9	6787		0	20.2	-19.3	33.9	16.5	0	0	93.7	0	
44	6480		6	20	-19.5	33.7	16.5	0		93.7	0	
45.1			0								0	

Time(s)	Intake		Engine RPM (rpm)	Mass Air Flow Rate (g/s)	Absolute Throttle Position (%)	Fuel Rail Pressure (kPa)	Command					Accelerated Throttle Actuator (%)
	Calculated Engine Load Value (%)	Manifold Absolute Pressure (kPa)					Commanded EGR (%)	EGR Error (%)	Accelerator Pedal Position D (%)	Accelerator Pedal Position E (%)		
0									0	33.7	16.5	0
1.1	33.5	101	832	15.34	93.7				0	33.7	16.5	0
2.2	33	101	835	15.12	93.7	33986	35.9	-0.4	34.9	17.7		0
3.3	34.1	101	797	16.18	93.7	32514	36	-0.6	38.8	24.1		0
4.4	32.9	101	758	17.64	93.7	29873	35.7	0.7	36.7	21.7		0
5.5	29.1	101	825	14.84	93.7	30896	36.1	0.5	33.7	16.5		0
6.6	30.2	101	825	14.93	93.7	32614	36.8	-0.7	33.7	16.5		0
7.7	33.5	101	826	15.68	93.7	34195	36.2	-0.8	33.7	16.5		0
8.8	33.4	101	825	15.71	93.7	34131	36.3	-0.2	37.7	18		0
9.9	37.2	101.2	855	16.18	93.7	34067	36.4	0.7	48.1	23.5		0
11	47.3	101.9	1102	25.34	93.7	49056	33.3	-4.9	51	24.3		0
12.1	44.1	110.4	1202	28.28	93.7	76377	25.3	-23.7	66.5	28.7		0
13.2	36	139.6	1606	49.88	93.7	83149	27	-19	69.7	33.3		0
14.3	45.2	162	1677	57.84	93.7	91908	32.2	0	76.4	36.7		0
15.4	55	195.5	1751	79.51	93.7	105115	32.4	0.4	78	38.8		0
16.5	52.8	185.3	1839	80.07	93.7	113601	33.2	0.6	78.3	38.9		0
17.6	53.6	188.4	1948	84.73	93.7	118772	34.5	0	79.2	39.5		0

18.7	53.6	189.1	2082	95.36	93.7	124269	37.7	0.5	80	40	0
19.8	51.1	180	2203	98.3	93.7	126173	39	0.6	80.2	39.9	0
20.9	52.5	178.4	2180	98.51	93.7	125399	38.4	0	80.4	40.5	0
22	54.6	172.1	1955	86.97	93.7	122653	35.8	0	82.5	41.2	0
23.1	65.2	190.2	1819	88.97	93.7	121144	33.3	-0.2	84.3	42.3	0
24.2	66.7	194.5	1580	89.49	93.7	119253	31.2	-2.2	82.7	42.5	0
25.3	63.1	188.5	1632	88.7	93.7	121667	30.6	-2.3	84.9	42.3	0
26.4	59	180.6	1695	82.79	93.7	114712	24.5	-1.4	84.6	42.7	0
27.5	57.2	182.4	1754	82.15	93.7	115180	26.4	-0.3	83.6	42.7	0
28.6	57	184.8	1781	84.45	93.7	115582	30	0.9	84.1	41.8	0
29.7	56.2	186	1822	85.96	93.7	117588	33.3	3.1	83	41.5	0
30.8	55.5	186.1	1895	85.39	93.7	118847	34	2.4	82.4	41.2	0
31.9	56.7	185.8	1919	87.76	93.7	121515	35.4	1.5	82.3	41.1	0
33	51.6	182.9	1963	87.12	93.7	123259	39.6	0.8	76	39.6	0
34.1	44.9	176	2048	74.29	93.7	118731	43.1	0.4	76.9	38.4	0
35.2	42.3	172.4	2013	70.43	93.7	112737	47.1	0.1	76.7	38.4	0
36.3	40.4	168.2	1826	50.63	93.7	89115	53.1	1.5	65.9	32.7	0
37.4	30.9	138.6	1857	51.72	93.7	90819	53.7	1.5	66.9	33.2	0
38.5	30.8	139.7	1886	52.8	93.7	92524	54.2	1.5	67.8	33.7	0
39.6	30.7	140.8	1757	48.45	93.7	90708	52.9	1.4	66	33.4	0
40.7	30.6	141.9	1783	41.47	93.7	83618	46.8	0.8	38.7	16.9	19.8
41.8	8.4	124.6	1678	43.96	86.4	66877	43.2	0.8	38.8	16.9	20.3
42.9	4.2	112	1370	40.18	80.2	26792	29.8	0.8	33.7	16.6	7.8
44	0.8	102.9	876	21.78	93.7	21404	37.2	-0.5	33.7	16.5	0.3
45.1	4.8	100	810	18.92	93.7	21569	38.3	-1.3	33.7	16.5	0
46.2	8.4	100	771	16.02	93.7	22266	41.2	0	33.7	16.5	0
47.3	16.3	100	766	14.19	93.7	23077	38.4	0.6	33.7	16.5	0
48.4	28.5	100	784	13.63	93.7	26927	38.8	0.8	33.7	16.5	0
49.5	34.9	100	771	13.44	93.7	29644	39.5	0.8	33.7	16.5	0
50.6	35.3	100	767	13.39	93.7	30495	39.2	0.8	33.7	16.5	0
51.7	34.7	100	767	13.39	93.7	30064	39.6	0.8	33.7	16.5	0
52.8	33.3	100	767	13.18	93.7	30040	39.6	0.8	33.7	16.5	0
53.9	33.5	100	767	13.13	93.7	30009	39.6	0.8	33.7	16.5	0
55	33.7	100	769	13.09	93.7	29800	39.5	0.8	33.7	16.5	0
56.1	33.4	100	769	13.08	93.7	29702	39.6	0.8	33.7	16.5	0
57.2	32.6	100	775	13.36	93.7	29816	39.6	0.8	33.7	16.5	0
58.3	33.3	100	775	13.3	93.7	29882	39.6	0.8	33.7	16.5	0
59.4	33.7	100	774	13.2	93.7	29543	39.2	1.4	33.7	16.5	0
60.5	33.8	100	774	13.27	93.7	29230	39.4	0.8	33.7	16.5	0
61.6	34.1	100	771	13.21	93.7	29384	39.6	0.2	33.7	16.5	0
62.7	32.9	100	766	13.17	93.7	29941	39.6	0.8	33.7	16.5	0
63.8	32.8	100	762	13.19	93.7	29829	39.6	0	33.7	16.5	0
64.9	33.6	100	761	13.28	93.7	30575	39.6	0.9	33.7	16.5	0
66	33.3	100	769	13.06	93.7	30150	39.5	0.9	33.7	16.5	0
67.1	33.6	100	775	12.99	93.7	29720	39.2	-0.8	33.7	16.5	0
68.2	33.6	100	779	13.12	93.7	29966	39.6	0.8	33.7	16.5	0
69.3	33.3	100	773	13.4	93.7	29882	39.4	0.5	33.7	16.5	0
70.4	33.3	100	826	15.55	93.7	30062	36.8	0	33.7	16.5	0
71.5	37.5	102.7	935	19.65	93.7	31159	20.1	0	53.8	24.9	0
72.6	49.8	119	1491	48.59	93.7	59613	23	-0.9	72.3	36.2	0
73.7	45.1	151.3	1706	61.87	93.7	93631	29.6	-1.7	72.9	36.8	0
74.8	50.5	178.8	1888	71.19	93.7	110809	39.6	1.6	78.6	38.8	0
75.9	55.2	191	1965	86.05	93.7	124564	39.2	0.4	79.8	39.6	0
77	53.3	190.7	2156	88.21	93.7	131197	43.2	0	79.3	39.5	0
78.1	47.9	187.2	2313	91.09	93.7	135973	48.5	0	78.4	39.2	0
79.2	45.2	177.5	2297	86.38	93.7	133894	54.1	0	76.5	38.3	0
80.3	44.1	165.1	1958	62.2	93.7	115465	51.1	0.9	75.8	37.8	0
81.4	43.1	168.8	1986	63.15	93.7	116429	48.3	0.9	76	38	0
82.5	42.2	171.6	1865	59.85	93.7	113579	45.6	-0.8	75.5	37.5	0
83.6	44	172.2	1669	53.75	93.7	97427	38	-1.6	75.7	37.8	0
84.7	47.9	167.5	1526	51.66	93.7	95828	36.5	1.2	75.7	37.9	0
85.8	45.9	173.7	1582	51.62	93.7	94353	35.7	2.8	75.7	37.6	0
86.9	47.1	173.4	1562	51.77	93.7	93813	36.5	0	75.6	37.6	0
88	47.5	173.4	1568	52.24	93.7	95327	36.9	3.1	75.7	37.6	0
89.1	47.1	174	1643	52.85	93.7	94666	36.1	-0.6	75.7	37.8	0
90.2	47.5	173.9	1534	52.64	93.7	94348	36.5	-1	75.7	37.9	0
91.3	45	170.1	1564	51.46	93.7	93579	38.1	3.1	75.6	35.2	0
92.4	39.5	159.1	1637	46.73	93.7	87732	44.1	0.8	74	35.5	0
93.5	39.6	159.8	1646	47.1	93.7	88373	44.2	0.8	69.3	35.7	0
94.6	36.2	151.9	1638	44.53	93.7	88318	44	0.8	69.7	34.8	0
95.7	36	145.6	1613	39.98	93.7	85076	40.8	0.8	70.5	35.3	0
96.8	36.9	147	1569	44.41	93.7	86125	43.4	0.4	64.1	31.2	1.9
97.9	7.1	119	1496	43.49	84.9	59408	39.7	0.2	46.7	17.9	11.4
99	2.5	109.9	1391	39.71	78.4	25455	29	0.8	33.7	16.5	17.9

100.1	0	102.2	1278	34.4	79.2	22871	29	0.8	33.7	16.5	13.3
101.2	0	100	1153	29.61	84.4	21891	29	0.4	33.9	16.5	4.4
102.3	0.1	99.3	1018	26.45	88.4	21710	31	-0.9	34.1	16.5	0
103.4	7.7	99.4	1041	24.07	93.7	24979	38.4	-6.2	18.4	22	0
104.5	19.8	100	1315	26.42	93.7	68015	28.5	-3.7	34.6	28.6	0
105.6	46.6	126.7	1537	43.44	93.7	81255	24.6	-0.7	71.7	36.1	0
106.7	50.6	165.5	1765	64.95	93.7	104426	30.2	2.3	77.5	38.7	0
107.8	53.5	195.4	1929	85.8	93.7	121132	40.6	0.7	78.5	39.3	0
108.9	52.5	186.6	1840	66.34	93.7	118721	43.4	0.2	80	40	0
110	53.5	187	1798	67.61	93.7	115203	42	0.8	85.6	41.8	0
111.1	56.4	188.5	1692	70.73	93.7	118338	29.9	-3.6	86.3	43	0
112.2	65	202.7	1799	85.72	93.7	122274	26.8	-5	87	43.5	0
113.3	65.1	202.5	1871	97	93.7	126095	32.8	0	86.6	43.1	0
114.4	60.9	199.7	1987	100.44	93.7	128194	40.4	1.1	84	42	0
115.5	50.9	190.9	2085	89.08	93.7	128648	47.6	0.9	79.3	39.3	0
116.6	29	172.1	1888	75.83	93.7	118409	56.2	0	72.1	33.3	0
117.7	22.4	150.6	1690	57.52	93.3	91324	60	0	57.1	27.6	4.8
118.8	0.3	106	1526	40.84	83.6	64991	49.4	0	34.9	16.9	17.1
119.9	0	106	1533	41.08	83.6	23644	28.3	0	37.3	17.8	18.6
121	0.1	102	1482	39.56	77.3	22445	28.2	0.1	41.1	20	24.3
122.1	0	101.5	1457	38.3	72.2	21044	28.3	0.8	40.3	19.9	21.7
123.2	0.3	100	1448	36.76	72.4	22564	28.3	0.8	40.4	20	16.4
124.3	0	100	1453	36.95	72.2	22456	28.2	0.8	38.5	19.2	16.2
125.4	0.1	100	1478	37.4	72.2	22380	28.2	0.8	33.7	16.5	14.5
126.5	0	100	1463	37.33	76.2	22409	28.2	0.8	33.7	16.5	13.6
127.6	0	100	1386	35.69	85.3	22615	28.2	0.8	33.7	16.5	14.8
128.7	0	100	1279	32.7	88.3	22576	28.2	0.8	33.7	16.5	11.6
129.8	0	99.9	1171	29.44	84.3	22382	28.2	0.8	33.7	16.5	4.9
130.9	0	99	952	24.77	90.1	22071	30.8	-0.8	33.7	16.5	0
132	8.6	99	843	19.5	93.7	22131	36.1	-4.4	33.7	16.5	0
133.1	13.1	99.3	787	14.58	93.7	23429	42.7	0.8	33.7	16.5	0
134.2	13.3	100	773	12.98	93.7	23196	41.4	0.5	33.7	16.5	0
135.3	15.7	100	772	13.36	93.7	22980	39.5	0	33.7	16.5	0
136.4	17	100	769	13.66	93.7	22942	39.2	0	33.7	16.5	0
137.5	20.5	100	766	13.43	93.7	23312	40	0	33.7	16.5	0
138.6	31	100	768	13.11	93.7	25933	40.2	0	33.7	16.5	0
139.7	32.6	100	770	12.98	93.7	28894	40.3	-0.1	33.7	16.5	0
140.8	33.3	100	771	12.92	93.7	29931	40	-0.8	33.7	16.5	0
141.9	32.9	100	768	12.8	93.7	29685	40	-0.8	33.7	16.5	0
143	31.8	100	768	12.74	93.7	28684	40.2	-0.5	33.7	16.5	0
144.1	32.2	100	769	12.81	93.7	28100	40.4	0	33.7	16.5	0
145.2	31.8	100	770	12.9	93.7	28439	40.4	0	33.7	16.5	0
146.3	31.4	100	771	12.95	93.7	28662	40.4	0.5	16.2	16.5	0
147.4	31.4	100	768	12.9	93.7	28805	40.4	0.5	9.5	16.5	0
148.5	31.8	100	766	12.8	93.7	28889	40.4	0	33.7	16.5	0
149.6	31.8	100	769	12.72	93.7	28748	40.4	0	33.7	16.5	0
150.7	31.8	100	774	12.74	93.7	28080	40.4	-0.5	33.7	16.5	0
151.8	31.8	100	769	12.77	93.7	28585	40.4	-0.1	33.7	16.5	0
152.9	31.8	100	768	12.74	93.7	28802	40.4	0.6	33.7	16.5	0
154	31.6	100	768	12.73	93.7	28665	40.4	0	33.7	16.5	0
155.1	31.3	100	770	12.75	93.7	28391	40.4	0	33.7	16.5	0
156.2	31	100	776	12.77	93.7	27777	40.2	-0.3	33.7	16.5	0
157.3	31.4	100	774	12.88	93.7	27579	40	-0.8	33.7	16.5	0
158.4	31.3	100	771	13.05	93.7	28790	40.4	0	33.7	16.5	0
159.5	31	100	769	12.9	93.7	28693	40.4	0.1	33.7	16.5	0
160.6	31	100	771	12.82	93.7	28533	40.4	0.8	33.7	16.5	0
161.7	31	100	776	13.05	93.7	28450	40.4	0.8	33.7	16.5	0
162.8	31.4	100	769	12.95	93.7	28354	40.4	0.7	33.7	16.5	0
163.9	31.3	100	769	12.81	93.7	28215	40.4	0	33.7	16.5	0
165	31	100	771	12.85	93.7	28300	40.5	0	33.7	16.5	0
166.1	31.5	100	770	12.88	93.7	28583	40.8	0	33.7	16.5	0
167.2	31.8	100	764	12.83	93.7	28072	40.8	-0.4	33.7	16.5	0
168.3	30.6	100	769	12.83	93.7	27766	40.6	-0.8	31.4	16.5	0
169.4	30.5	100	769	12.83	93.7	27430	40	-0.8	0.3	16.5	0
170.5	30.2	100	771	12.85	93.7	27384	40	-0.8	0.1	16.5	0
171.6	30.3	100	774	12.87	93.7	27366	40.2	-0.8	10	16.5	0
172.7	31.8	100	773	12.88	93.7	27512	40.4	-0.5	33.7	16.5	0
173.8	31.8	100	771	12.91	93.7	27969	40.4	0.8	33.7	16.5	0
174.9	31.5	100	768	12.91	93.7	27818	40.4	0.7	33.7	16.5	0
176	31.3	100	765	12.92	93.7	27367	40.4	0	33.7	16.5	0
177.1	31	100	772	12.74	93.7	27483	40.4	0.1	33.7	16.5	0
178.2	31	100	772	12.73	93.7	28214	40.3	0.8	33.7	16.5	0
179.3	31	100	772	12.71	93.7	28174	40.3	0.8	33.7	16.5	0
180.4	31	100	771	12.69	93.7	28134	40.4	0.8	33.7	16.5	0

181.5	31.2	100	771	12.69	93.7	28095	40.4	0.8	33.7	16.5	0
182.6	31.7	100	769	12.79	93.7	28284	40.4	0.8	33.7	16.5	0
183.7	31.4	100	768	12.71	93.7	28311	40.5	0.8	33.7	16.5	0
184.8	31.1	100	769	12.76	93.7	28114	40.8	0.8	33.7	16.5	0
185.9	31.1	100	771	12.99	93.7	27580	40.8	0.8	33.7	16.5	0
187	31.4	100	772	13.14	93.7	27967	40.5	0.8	33.7	16.5	0
188.1	31.3	100	771	12.76	93.7	27776	40.4	-0.1	33.7	16.5	0
189.2	31	100	769	12.87	93.7	27903	40.4	-0.5	33.7	16.5	0
190.3	30.6	100	770	12.82	93.7	28165	40.4	0	33.7	16.5	0
191.4	30.6	100	771	12.74	93.7	28435	40.4	0	33.7	16.5	0
192.5	30.5	100	773	13.08	93.7	27872	40.4	0.4	22.4	16.5	0
193.6	30.2	100	772	12.88	93.7	27695	40.4	0.6	2.5	16.5	0
194.7	30.2	100	770	12.72	93.7	28016	40.4	0	33.7	16.5	0
195.8	30.2	100	767	12.71	93.7	27271	40.4	0	33.7	16.5	0
196.9	30.2	100	772	12.81	93.7	27271	40.4	0	33.7	16.5	0
198	31	100	771	12.8	93.7	27562	40.3	-0.1	33.7	16.5	0
199.1	31	100	769	12.86	93.7	28150	40	-0.8	33.7	16.5	0
200.2	30.9	100	767	13.01	93.7	27713	40.5	-0.3	17.8	16.5	0
201.3	30.6	100	768	12.85	93.7	27170	40.6	0.3	6.4	16.5	0
202.4	31	100	769	12.88	93.7	26772	40.4	0.8	33.7	16.5	0
203.5	30.8	100	770	12.96	93.7	27826	40.4	0.8	33.7	16.5	0
204.6	30.6	100	770	12.79	93.7	27429	40.4	1.1	33.7	16.6	0
205.7	30.6	100	952	17.73	93.7	41075	34.4	-3.9	33.5	16.9	0
206.8	42.3	117.7	1383	42.76	93.7	71362	21.5	-21.3	31.4	37.6	0
207.9	46.1	148.3	1783	75.78	93.7	109921	36.5	1.6	59	37	0
209	43.4	181.8	1824	66.81	93.7	108382	42.4	1.2	60.2	36.8	0
210.1	45.5	176.8	1972	68.41	93.7	110672	48.1	0.8	34.5	37.6	0
211.2	42.1	171.1	1949	63.82	93.7	117101	51.4	0.8	31	36	0
212.3	41.1	166.7	1772	48.25	93.7	105131	44.2	4.5	51.8	37	0
213.4	54.1	196.9	1957	73.37	93.7	111743	43.2	4.7	80.1	40.7	0
214.5	53.1	195	1950	80.05	93.7	118142	47	0	80.6	39.3	0
215.6	50.1	188.3	1912	68.7	93.7	114032	53.1	0.8	80.9	39.5	0
216.7	50.2	188.8	1917	68.97	93.7	114439	53.2	0.8	81.1	39.6	0
217.8	40.2	178.2	1865	65.84	93.7	114847	53.3	0.8	73.3	36.4	0
218.9	23.2	154.2	1694	49.63	93.7	93571	57.9	0.3	56.3	28.1	1.9
220	4.7	113	1392	42.99	81.9	60699	48.5	0.2	38.2	16.8	7.4
221.1	3.1	109.4	1351	37.71	73	25846	27.5	0.8	34.1	16.5	7.5
222.2	0.1	100	1182	30.12	80.9	23688	27.5	0.8	34.1	16.5	7.4
223.3	0	99.8	1184	30.19	80.8	23634	27.5	0.8	34.1	16.5	6.2
224.4	0	99	1071	27.68	86.6	23144	27.6	0.7	34.1	16.5	3.1
225.5	1.5	99	919	23.21	93.7	22216	28.2	0	33.7	16.5	1.2
226.6	4.9	99.2	778	17.49	93.7	23619	38.6	0	33.7	16.5	0
227.7	11	100	770	14.67	93.7	23657	43.3	0	33.8	16.5	0
228.8	13.6	100	766	13.25	93.7	23526	43.1	0	34.1	16.5	0
229.9	19.6	100	763	12.96	93.7	22681	40.4	-0.8	33.9	16.5	0
231	29	100	770	12.69	93.7	24479	40.7	-0.3	33.7	16.5	0
232.1	28.3	100	766	12.57	93.7	26842	41.2	0.8	33.7	16.5	0
233.2	28.2	100	760	12.3	93.7	26116	41.2	0.5	33.7	16.5	0
234.3	28.2	100	764	12.44	93.7	25415	41.2	0	33.7	16.5	0
235.4	28.3	100	771	12.81	93.7	25224	41.2	0.5	33.7	16.5	0
236.5	28.6	100	776	12.74	93.7	25514	41.2	0.8	33.7	16.5	0
237.6	28.6	100	770	12.82	93.7	25626	41.2	0.8	33.7	16.5	0
238.7	28.3	100	766	12.9	93.7	25213	41.2	0.8	9.3	16.5	0
239.8	27.9	100	772	12.81	93.7	26432	41.2	0.8	4.9	16.5	0
240.9	28.3	100	769	12.84	93.7	26394	41.1	0.8	33.7	16.5	0
242	28.3	100	769	12.97	93.7	26357	41.1	0.8	33.7	16.5	0
243.1	28.3	100	768	12.96	93.7	26319	41.2	0.8	33.7	16.5	0
244.2	28.2	100	768	12.94	93.7	25616	41.2	0.5	33.7	16.5	0
245.3	28.5	100	768	12.7	93.7	25133	41.1	0.1	34	16.5	0
246.4	37.7	110.9	938	22.52	93.7	29155	40.7	0.8	79.9	23.3	0
247.5	69.2	155.6	1862	104.92	93.7	127137	33.4	0.6	80.1	41	0
248.6	69.3	155.8	1866	105.32	93.7	127550	33.3	0	80.3	41.1	0
249.7	64.4	169.5	1909	106.28	93.7	127963	33.3	0	81.8	41.4	0
250.8	52.2	219.9	2180	114.54	93.7	129486	36.6	0.5	83.1	41.6	0
251.9	54.1	212.9	2273	113.5	93.7	131766	41.8	1.4	83.1	41.6	0
253	56.4	210	2328	111.7	93.7	134753	45.9	-2.3	84.7	42.3	0
254.1	66	215.1	2163	105.16	93.7	133354	45.8	-2	88.7	44.5	0
255.2	66.2	215.5	2168	105.55	93.7	129127	45.4	-0.8	88.9	44.6	0
256.3	64.8	215.5	2171	105.94	93.7	129536	45.5	-0.8	87.5	44	0
257.4	54.9	205.8	1888	93.4	93.7	125297	45.1	-0.8	84.6	42.3	0
258.5	55.3	201.8	1882	81.07	93.7	116986	43.9	-0.8	82.2	41.1	0
259.6	55	193.8	1854	76.58	93.7	118040	43.9	-0.4	81.7	40.8	0
260.7	50.2	189.9	1938	73.66	93.7	116344	45.6	0	80.4	40	0
261.8	51.1	188.1	1893	70.32	93.7	113241	48.6	0	79.9	40	0

262.9	54	179.5	1590	59.47	93.7	105366	41.9	0.2	79.3	39.7	0
264	54.1	179.8	1593	59.66	93.7	105663	41.9	0.8	76.1	38.3	0
265.1	51.8	178.5	1601	59.5	93.7	105961	41.9	0.8	76.3	38.3	0
266.2	46.3	172.9	1629	52.48	93.7	104628	43	0.8	76.4	38.4	0
267.3	44.5	171.2	1619	50.03	93.7	102597	44.7	0.8	75.7	37.6	0
268.4	45.5	164.9	1548	45.1	93.7	100433	44.3	-0.8	74.2	37	0
269.5	48.9	154	1308	37.2	93.7	92170	41.3	-2.3	74.1	36.8	0
270.6	54.1	151	1333	41.75	93.7	89617	36.7	-2.2	75.8	37.6	0
271.7	57.5	161.9	1360	49.21	93.7	95325	29.4	7	81.1	39.8	0
272.8	61.8	176.9	1387	60.54	93.7	99596	25.6	3.2	81.5	40.8	0
273.9	65.9	175.9	1395	62.26	93.7	101642	23	0	82	40.8	0
275	66.7	177.2	1399	64.07	93.7	105335	22.7	0	83.5	41.9	0
276.1	68.1	179.9	1400	65.51	93.7	106613	23.2	0.9	83.7	42.9	0
277.2	71.3	190.9	1387	73.07	93.7	110185	22.3	1.2	84.5	44.7	0
278.3	73	198	1403	79.09	93.7	114764	20	0	89	44.7	0
279.4	72.7	201.2	1436	81.27	93.7	116645	20	-14.4	87.7	43.9	0
280.5	66.8	192.3	1475	72.46	93.7	113895	24.1	-10.9	83.1	41.5	0
281.6	43.9	162.9	1435	61.72	93.7	104451	33.9	-1.8	75.7	36.5	0
282.7	47.5	157	1441	52.11	93.7	90544	50.6	0	76	37.7	0
283.8	51.6	146.4	1511	47.27	93.7	98831	41	-0.9	60.4	38.6	0
284.9	47.4	161	1454	47.04	93.7	97355	36.9	-0.6	43.1	38.9	0
286	53.7	165	1457	48.74	93.7	96982	38.3	1.4	78.8	39.2	0
287.1	54.6	169.4	1486	52.39	93.7	101045	35.7	0	80	39.8	0
288.2	54.7	171.4	1506	56.05	93.7	100768	38.4	0.6	80.2	39.8	0
289.3	53.4	169.4	1514	56.53	93.7	102781	39.1	0.8	73.1	35.7	0
290.4	13	138.9	1461	52.85	93.4	78595	35.8	0.8	58.7	25.1	0
291.5	6.4	125.7	1422	46.66	92.2	32722	25.5	0.8	34.9	19.7	0
292.6	0	106.2	1408	38.28	88.6	128561	25.5	0.8	34.5	16.7	4.6
293.7	0	102	1380	36.34	84.6	129428	25.5	0.8	34.1	16.5	14.7
294.8	0.1	101.4	1330	35.29	82.7	130075	25.5	0.8	34.1	16.5	6.3
295.9	0	101	1242	33.05	83.3	129821	25.5	0.8	34.1	16.5	5.4
297	0	101	1052	26.32	93.7	97167	25.5	1.5	34.1	16.5	4.3
298.1	0.1	100.4	1059	26.93	93.7	62047	25.5	2.3	34.1	16.5	4.3
299.2	0	100	1080	27.98	93.6	26042	25.9	0.8	34.1	16.5	3.7
300.3	0	100	1102	29.27	92.2	24150	25.9	0.3	34.1	16.5	2.3
301.4	0	100	901	22.74	93.2	23080	27.8	-3.5	34.1	16.5	0
302.5	8.3	100	840	19.24	93.7	23117	32.7	-8.6	34.1	16.5	0
303.6	14.2	100	786	14.63	93.7	24808	45.9	-0.8	34.1	16.5	0
304.7	19.2	100	776	12.04	93.7	23734	43.2	0.2	34.1	16.5	0
305.8	27.1	100	777	12.62	93.7	32578	41.2	3.2	39.3	17.6	0
306.9	38.5	104.5	1046	21.02	93.7	51749	39.1	8.6	65.5	32.5	0
308	45	123.2	1411	37.68	93.7	93730	27.1	2.8	70.3	34.7	0
309.1	45.1	164	1703	62.88	93.7	105158	33.7	0.4	75.7	37.5	0
310.2	51.3	188.6	1919	74.31	93.7	116040	43	0	79.7	39.6	0
311.3	51.7	202	2144	87.04	93.7	122827	54.9	0	81.9	40.4	0
312.4	54.5	202.1	2254	86.72	93.7	130663	57.8	0	84	41.7	0
313.5	63.1	202.9	2095	85.73	93.7	129386	54	0.5	86.7	43.3	0
314.6	64.7	214.4	2071	91.76	93.7	127223	47.2	1.5	88.6	44.3	0
315.7	67	220.7	2023	99.1	93.7	124799	49.8	0.8	62.1	44.3	0
316.8	68.6	218.2	1949	96.54	93.7	123891	47.6	0.4	62.2	44.3	0
317.9	66.2	220.9	2090	100.82	93.7	126199	48.9	0.2	89	44.3	0
319	69.3	218.4	2007	100.57	93.7	130378	54.9	0.8	89	44.3	0
320.1	72.2	215.5	1725	91.57	93.7	130657	40.8	0.8	89.4	44.6	0
321.2	72.5	219.9	1872	99.09	93.7	129669	35.5	0.6	89.8	45.1	0
322.3	71.5	220	1924	103.81	93.7	127564	42	0	89.3	45.1	0
323.4	69.1	219.6	2011	103.9	93.7	124606	51	0	89.2	44.9	0
324.5	64.7	217.9	2114	100.01	93.7	125678	56	0	88.2	44.4	0
325.6	64.5	210.4	1891	89.32	93.7	124985	57.2	-0.1	85.5	42.7	0
326.7	63.9	203.6	1642	73.36	93.7	120057	35.3	-0.8	85.7	42.9	0
327.8	62.7	201.9	1727	79.46	93.7	119879	38.9	-0.5	79.5	43.1	0
328.9	61.4	199.5	1788	80.4	93.7	118896	45.6	0	43.9	42.7	0
330	44.5	180.9	1745	76.79	93.7	114004	59.2	0	60.4	36.8	0
331.1	27.2	148.5	1525	60.55	93.7	64486	58.7	0	44.5	32.3	0
332.2	27.5	118	1495	36.79	93.7	73213	58.3	0	33.1	31.5	0
333.3	35.1	120.4	1470	35.18	93.7	84154	56.2	0	69.8	34.5	0
334.4	40.6	129.6	1478	34.59	93.7	95170	38.4	0.8	72.2	35.8	0
335.5	43.6	148	1628	47.94	93.7	97430	38.8	-0.2	73.7	36.9	0
336.6	43.9	155.7	1618	46.54	93.7	100260	40.6	-1.2	73.7	36.9	0
337.7	42.2	158.3	1584	44.64	93.7	103377	46.3	1.6	72.9	36.6	0
338.8	39.7	154.9	1512	41.83	93.7	98531	46.5	-0.1	72.6	36.4	0
339.9	38	150.7	1520	44.61	93.7	91793	48.1	-1.4	72	36.1	0
341	33.4	150.8	1534	52.17	93.7	53769	59.1	0	60.6	33.8	0
342.1	15.8	151	1537	52.28	93.7	53831	59.2	0	60.7	28.2	0
343.2	15.7	125.7	1521	46.74	93.7	50301	52.5	0	60.8	28.2	0

344.3	8.5	109.6	1487	41.25	93.7	41340	25.1	0	19.2	21.2	0
345.4	0	103.9	1435	38.65	93.7	130078	25.1	0	5.4	16.5	0
346.5	0.3	101	1308	38.72	93.7	130383	25.2	0	34.1	16.5	0
347.6	0.1	101	1310	38.79	93.7	130688	25.1	0	34.1	16.5	0
348.7	0	101	1311	36.94	93.7	130929	25.1	0.1	34.1	16.5	0
349.8	0	101	1288	33.89	93.7	131000	25.1	1.6	34.1	16.5	0
350.9	0	101	1222	31.65	93.7	130088	25.1	1.6	34.1	16.5	0
352	0	100.3	1155	30.28	93.7	109276	25.2	1.4	34.1	16.5	0
353.1	0	99.7	1107	28.6	93.7	52666	25.5	0	34.1	16.5	0
354.2	0	99	1100	27.88	93.7	35384	25.9	1.6	34.1	16.5	0
355.3	0.1	99.5	942	24.47	93.7	23521	27.2	3.9	34.1	16.5	0
356.4	2.2	100	774	19.83	93.7	22849	43.1	1.8	34.1	16.5	0
357.5	10.2	100	777	14.34	93.7	23874	46.8	0.8	34.1	16.5	0
358.6	9.9	99.4	771	13.83	93.7	24949	51.4	0.8	34.1	16.5	0
359.7	11	99.3	766	12.86	93.7	24895	47.4	0.8	15.4	16.5	0
360.8	14.4	100	772	12.3	93.7	23729	43.9	0.4	10.2	16.5	0
361.9	25.1	100	777	12.81	93.7	24052	40.8	0.2	36	16.5	0
363	35.1	102.4	994	22.17	93.7	29000	40	0.8	64.7	27.2	0
364.1	46.1	109.1	1467	51.95	93.7	101712	32.2	-0.1	68.1	35	0
365.2	45.1	172.9	1690	57.99	93.7	105686	33.9	-0.3	74.5	37.3	0
366.3	43.8	179.5	1903	64.96	93.7	111375	45.3	0.8	74.5	37.2	0
367.4	40.7	184.7	2076	70.93	93.7	114734	55.3	0	74.8	37.3	0
368.5	38.5	184.1	2162	74.73	93.7	113658	57.6	0	74.9	37.3	0
369.6	41.6	170.9	1865	59.62	93.7	111806	55.7	0.7	75	37.3	0
370.7	41.6	172.3	1876	53.2	93.7	109900	50.2	2.3	75.2	37.6	0
371.8	40.7	173.8	1896	58.6	93.7	110229	50.6	1.1	74.6	37.3	0
372.9	35.7	169.9	1814	55.67	93.7	107814	52.7	0	73.3	36.5	0
374	25.6	154.6	1675	51.82	93.7	102779	58.8	0	53.1	27.9	7.9
375.1	16.8	129.1	1489	47.45	93.7	60241	55.2	0	54	26.4	10.5
376.2	29.4	119	1482	42.34	93.7	46314	43.7	0	63.1	32.2	0.1
377.3	14.1	113.2	1457	38.82	93.1	57522	25.5	0	34.1	16.5	9.4
378.4	0	105.8	1410	37.32	91	127997	25.1	0.9	34.3	16.5	8.3
379.5	0	103	1301	35.55	92.4	128604	25.2	1.2	35.1	16.5	5.1
380.6	0	102.2	1261	33.41	93.7	129388	25.5	0	40.4	20	2.1
381.7	0	100.9	1175	30.79	93.7	97165	25.5	0.4	37.8	18.9	0
382.8	0	100	1031	28.14	93.7	61946	25.9	0.8	31.5	16.5	0
383.9	0.2	100	961	24.46	93.7	25285	26.7	0.8	0	16.5	0
385	2.5	100	798	18.3	93.7	25900	38.7	0.3	14.2	16.5	0
386.1	12.2	100	775	15	93.7	24988	45.9	0.5	28.2	16.5	0
387.2	21.9	100	778	13.12	93.7	24303	45.8	1.5	0	16.5	0
388.3	26.3	100.2	785	12.66	93.7	25402	40.4	0.8	11.8	16.5	0
389.4	27.9	101	780	12.66	93.7	25447	40.3	0.8	33.7	16.5	0
390.5	27.8	101	780	12.65	93.7	25547	40	0.2	26.9	16.6	0
391.6	35.6	101	915	16.35	93.7	32666	39.4	-0.7	0	17.3	0
392.7	41.6	104.5	1138	23.5	93.7	54887	35.3	0.8	40.7	25.8	0
393.8	44.2	121.8	1470	36.28	93.7	88232	30.1	0.8	68.3	34.4	0
394.9	45.5	189.9	2120	67.91	93.7	106401	34.1	0.8	70.2	38.1	0
396	47.7	194.2	2102	84.75	93.7	116170	44.2	0.8	37.3	38.8	0
397.1	49	198.9	2078	82.24	93.7	119156	59.2	0.3	56.3	39.1	0
398.2	47.4	197.9	2276	87.19	93.7	121811	59.6	-0.2	79.4	39.6	0
399.3	49.6	195.9	2163	84.88	93.7	125073	60.4	-0.8	81.9	41.1	0
400.4	52.2	197.7	1978	75.42	93.7	116183	59.6	0	84.4	42.4	0
401.5	56.8	217.7	1785	90.58	93.7	119055	52.2	0	86.5	43.2	0
402.6	58.4	218.1	1791	90.78	93.7	124037	34.5	0	87.3	43.9	0
403.7	66.3	218.9	1924	96.92	93.7	122149	39.6	0.5	80.6	43.7	0
404.8	56.3	207.5	1985	93.77	93.7	118414	49.2	1.5	40.4	40.8	0
405.9	50.3	193.6	1954	83.14	93.7	113335	55.7	0.8	61.1	39.8	0
407	48.2	179	1635	56.2	93.7	107911	41.4	1.6	61.1	36.1	0
408.1	2.4	146.6	1578	52.01	93.7	96039	23.6	3.1	0	16.5	0
409.2	1.6	119.4	1519	45.48	93.7	58010	24.3	-0.1	19.8	16.8	0
410.3	0	107	1497	40.74	93.7	101053	24.7	-0.3	25.4	17.1	0
411.4	0	104	1447	38.67	93.7	130031	25.1	1.3	0.7	16.5	0
412.5	0	103.2	1342	35.67	93.7	129885	25.1	0	34.1	16.5	0
413.6	0	101.8	1155	31.51	93.7	110118	25.4	0	34.1	16.5	0
414.7	0.5	101	916	25.1	93.7	72319	28.2	0.3	34.1	16.5	0
415.8	10.2	100	838	19.09	93.7	39522	35.2	0.8	33.6	16.5	0
416.9	11.1	100	787	14.81	93.7	25277	49	0.8	0	16.5	0
418	13.2	100.1	779	13.55	93.7	24999	49	1.2	18.7	19	0
419.1	19.6	101	1059	16.81	93.7	27923	41.4	1	48.4	25.8	0
420.2	15.9	101	976	18.2	93.7	31906	25.9	-0.8	35.3	17.3	0
421.3	12.2	100.9	801	15.59	93.7	25462	38.9	0	35	17.1	0
422.4	10.6	100	786	14.55	93.7	25349	48.7	0.6	34.5	16.9	0
423.5	10.6	100	775	13.44	93.7	25191	50.9	0	34.1	16.5	0
424.6	10.9	100	769	12.63	93.7	25285	47	0	33.9	16.5	0

425.7	11.8	100	769	12.43	93.7	24939	43.9	-0.3	33.7	16.5	0
426.8	11.8	100	770	12.71	93.7	24547	40	-0.8	33.7	16.5	0
427.9	11.8	100.2	814	13.39	93.7	24169	39.6	0	35.7	17.4	0
429	12.2	101	1202	22.76	93.7	34724	38.5	0.4	38.3	18.8	0
430.1	12.2	101	1203	22.78	93.7	62796	34.9	2.3	65	24.5	0
431.2	28.5	110.9	1330	27.8	93.7	68969	35	2.2	65.1	32.5	0
432.3	40.5	130.7	1517	39.44	93.7	92604	35.7	0	70.5	34.7	0
433.4	46.1	158.5	1741	59.3	93.7	110507	40.1	0.4	73.6	36.6	0
434.5	42.7	179.8	1759	57.46	93.7	110961	45.3	0.7	74.1	36.9	0
435.6	42	180	1780	54.64	93.7	111946	54.1	0	74.1	37	0
436.7	40.8	168.2	1876	54.36	93.7	111182	54	0	74.1	37.2	0
437.8	38.3	166.2	1826	52.17	93.7	108837	54.2	0	74.1	36.9	0
438.9	38.5	162.3	1724	48.41	93.7	104433	57.2	0	73.6	36.6	0
440	39.9	154.4	1654	43.25	93.7	103891	49.4	0	73.2	36.5	0
441.1	39.2	163.9	1748	47.86	93.7	99845	45.2	0	72.9	36.5	0
442.2	34.6	155.7	1753	50.96	93.7	76752	57.9	0	58.3	34.3	0
443.3	16.5	114.9	1438	41.41	93.7	76857	58	0	58.4	29	0
444.4	16.5	115	1440	41.48	93.7	71391	55.9	0	58.4	29	0
445.5	12.3	113.1	1441	41.54	93.7	33122	25.1	0	47.3	24.3	0
446.6	0	103	1425	39.12	93.7	71276	25.1	0.4	34.9	16.9	0
447.7	0	102	1420	37.42	93.7	130139	25.1	1.6	34.9	16.6	0
448.8	0	101	1407	37.5	93.7	129775	25.1	1.6	34.5	16.5	0
449.9	0	101	1372	35.89	93.7	130101	25.1	1.6	34.1	16.5	0
451	0	100.8	1308	33.85	93.7	125592	25.1	1.6	33.7	16.5	0
452.1	0.1	100	1026	26.18	93.7	26060	27.1	1.6	33.7	16.5	0
453.2	0.1	100	1027	26.21	93.7	26039	27.1	1.6	33.7	16.5	0
454.3	0.6	100	1027	26.24	93.7	26018	27.1	0.7	33.9	16.5	0
455.4	3.5	100	855	19.51	93.7	25349	33.5	0	34.6	17	0
456.5	14.6	100	866	16.16	93.7	26435	46.7	0	37.6	24.7	0
457.6	27.3	101.1	1054	19.78	93.7	47018	36.4	-4.2	50.5	27.7	0
458.7	41.6	116	1321	30.33	93.7	68230	30.1	-5.4	66.9	33.2	0
459.8	44.6	146	1566	45.3	93.7	99589	28.4	-0.8	75.6	37.6	0
460.9	47.2	184.3	1807	65.93	93.7	111001	45.9	0.2	75.5	37.6	0
462	45.9	186.9	1861	65.71	93.7	111892	49.7	0.6	70.8	37.6	0
463.1	44.4	181.2	1864	61.72	93.7	112513	56.5	0	34.5	37.6	0
464.2	42.8	175	1832	55.47	93.7	110901	56.9	0	34.3	37.4	0
465.3	38.8	170.2	1784	50.58	93.7	102243	57.9	0	41.1	35.1	0
466.4	13.7	124	1597	47.07	93.7	81937	58.9	0.8	57.2	28.2	0
467.5	6.6	117	1480	43.15	93.7	50219	59.2	7	16.5	20.6	0
468.6	0	106.3	1503	40.59	93.7	94431	35.2	2.7	15	16.5	0
469.7	0	103	1501	40.1	93.7	110347	24.9	0	34.1	16.5	0
470.8	0	102.5	1514	40.16	93.7	129871	24.7	0	34.1	16.5	0
471.9	0	102	1530	40.91	93.7	130259	24.7	2	34.1	16.5	0
473	0	102	1532	41.04	93.7	130044	24.5	1.5	34.2	16.5	0
474.1	0	102	1537	41.33	93.7	129758	24.3	-1.3	34.9	16.9	0
475.2	0	102	1551	41.69	93.7	129601	23.9	1.6	34.4	16.6	0
476.3	0	102	1582	41.9	93.7	129863	23.9	-0.1	34.2	16.6	0
477.4	0	103	1575	42.33	93.7	129970	23.7	-0.7	34.5	16.9	0
478.5	0	103	1579	42.94	93.7	129959	23.1	1.6	34.5	16.9	0
479.6	0	103	1621	45.2	93.7	129106	22.4	1.1	34.4	16.8	0
480.7	0.2	103	1623	45.27	93.7	129324	22.4	0	34.1	16.5	0
481.8	0.1	103	1626	45.34	93.7	129541	22.4	0	34.1	16.5	0
482.9	0	103	1659	46.43	93.7	129744	22.4	0	34.1	16.5	0
484	0	103	1644	46.75	93.7	129872	22.4	0	34.1	16.5	0
485.1	0	103	1619	46.25	93.7	129646	23.1	0	16.4	16.5	0
486.2	0	103	1584	42.79	93.7	129807	23.5	0	7.2	16.5	0
487.3	0	103	1547	42.43	93.7	129861	24	0	34.1	16.5	0
488.4	0	102.7	1483	41.32	93.7	129549	25.1	1.6	13.5	16.5	0
489.5	0	102	1400	38.2	93.7	130387	25.1	1.6	9.4	16.5	0
490.6	0	102	1413	38.12	93.7	130446	25.1	1.6	34.1	16.5	0
491.7	1.2	102	1425	37.93	93.7	129257	25.1	1.6	38.8	18.8	0
492.8	3.9	102	1432	36.96	93.7	96379	30.1	1.2	46.6	22.7	0
493.9	13.3	103.2	1451	35.84	93.7	67250	37.6	0.7	60	29.8	0
495	20.6	105.6	1450	33.4	93.7	56451	51	0	60.7	30.8	0
496.1	25.9	110	1353	24.23	93.7	64810	46.2	0	52.9	31.8	0
497.2	27.6	114.9	1339	25.85	93.7	72615	40.5	0	23.9	31.8	0
498.3	28.4	120.1	1321	28.56	93.7	71047	41.6	0	47.6	31.6	0
499.4	27.5	122.5	1318	27.95	93.7	66779	45.4	0.4	48.6	31.1	0
500.5	25.1	118	1313	26.32	93.7	64126	50.3	0.5	26.5	30.6	0
501.6	25.7	115.4	1304	25.14	93.7	63314	54.1	0	61.2	30.2	0
502.7	26.8	113.3	1310	24.76	93.7	63619	53.7	0	61.2	30.2	0
503.8	28.2	112	1342	25.03	93.7	65189	52.5	0	61	30.2	0
504.9	27.8	112	1359	24.66	93.7	64923	50.4	0.2	60.8	30.2	0
506	27.4	113.1	1362	24.47	93.7	64445	47	0.8	60.8	30.2	0

507.1	26.2	114.3	1346	24.58	93.7	64483	44.7	0.2	37.3	30.2	0
508.2	24.2	114.7	1302	24.77	93.7	55133	50.6	0.4	35.9	29.8	0
509.3	21.6	111	1289	23.58	93.7	50977	56	0.8	58.4	29	0
510.4	21.6	109.1	1287	23.19	93.7	50138	58.8	0.7	58	29	0
511.5	21.7	107.7	1301	23.21	93.7	49668	58.8	0	58.3	29	0
512.6	21.6	107	1337	22.93	93.7	48989	58.8	0.2	58.3	28.9	0
513.7	14.6	107	1343	23	93.7	48055	57.9	0.8	57.5	27.4	0
514.8	14.6	107	1360	23.27	93.7	43656	48.5	0.8	57.6	27.4	0
515.9	14.6	107	1361	23.28	93.7	43676	48.6	0.8	57.6	27.4	0
517	14.5	107	1363	23.3	93.7	43695	48.6	1.6	56.8	27.3	0
518.1	5.6	104.3	1338	26.93	93.1	51484	46.9	1.6	47.8	21.2	0
519.2	0	101.8	1303	34.42	91.4	92238	25.5	0.8	40.9	19.1	5.9
520.3	0	101	1283	33.62	89.2	110259	25.5	0.5	34.1	16.5	15.8
521.4	0	101	1276	33.52	87.8	129991	25.5	0	34.1	16.5	12.1
522.5	0	101	1253	33.18	87.8	130845	25.5	0	34.1	16.5	9.7
523.6	0	101	1105	29.05	90.5	110676	25.5	0	34.1	16.5	3.1
524.7	0	101	1084	29.08	93.7	71809	25.5	0	34.1	16.5	2.2
525.8	0	101	824	23.75	93.7	49392	31	0.2	34.1	16.5	0
526.9	7.1	100.5	807	18.86	93.7	23449	41.4	0.9	34.1	16.5	0
528	12.8	100	785	14.6	93.7	24332	48.6	3.1	34.1	16.5	0
529.1	15.6	100	776	12.31	93.7	24158	45.5	2.2	25.2	16.6	0
530.2	12.2	100.6	771	12.64	93.7	23969	41.9	0.8	0	17.3	0
531.3	14.2	101	773	13.07	93.7	23774	40.4	0.8	25.3	19.7	0
532.4	18.6	101	796	13.09	93.7	23684	39.8	-3	42.7	21.2	0
533.5	23.5	101	784	12.93	93.7	23795	39.4	-7.9	33.7	16.5	0
534.6	24	101.3	773	12.83	93.7	24302	40.4	0.8	33.7	16.5	0
535.7	24.8	102	771	13.4	93.7	24433	40.4	1.1	23.5	16.5	0
536.8	26.7	102	776	12.99	93.7	24830	40.6	1.4	0	16.5	0
537.9	27.4	102	778	12.48	93.7	25787	41.6	0	22.5	16.9	0
539	29.3	102.2	773	12.16	93.7	43123	40.3	0.4	40.4	19.4	0
540.1	34.9	104	1146	18.44	93.7	47728	41.8	0.8	50.1	24.7	0
541.2	30.1	106.2	1229	22.05	93.7	54791	45.8	0.8	59.2	29.4	0
542.3	27.9	111	1366	23.7	93.7	62306	44.3	1.8	62.1	30.7	0
543.4	29	122	1679	39.75	93.7	76335	43.4	2.6	65.4	32.6	0
544.5	32.3	129.2	1587	37.64	93.7	92845	42	3.1	67	33.3	0
545.6	27.7	132	1418	33.25	93.7	85737	42	3.1	55.2	28.4	0
546.7	5.9	115	1144	32.17	93.7	57013	51.3	1.8	42.3	21.4	0
547.8	2.1	109.5	994	27.25	93.7	33727	57.7	0	34.1	16.5	0
548.9	4.7	104.3	820	19.45	93.7	24066	47.4	0	34.1	16.5	0
550	15.7	102	781	12.97	93.7	23780	49.3	0.3	34.1	16.5	0
551.1	22.6	101.4	775	12.48	93.7	23668	50.4	0.7	34.1	16.5	0
552.2	26.7	101	771	11.9	93.7	24013	45.9	0	34.1	16.5	0
553.3	28.6	101	775	12.28	93.7	24875	43.9	0.7	34.1	16.5	0
554.4	26.9	101	777	12.47	93.7	25270	41.8	1.4	34.1	16.5	0
555.5	26.4	101	773	12.64	93.7	24669	41.2	0.8	11	16.5	0
556.6	26.8	101	760	12.56	93.7	24489	40.9	0.4	12.9	16.6	0
557.7	27.8	102	767	12.69	93.7	24627	40.9	0	34.9	16.9	0
558.8	26.6	102	770	12.75	93.7	24841	41.2	0	34.1	16.6	0
559.9	25.2	102	767	12.68	93.7	24510	41.2	-0.4	34.1	16.5	0
561	25.9	102	771	12.8	93.7	24678	41.2	-0.3	34.1	16.5	0
562.1	20.5	102	770	12.77	93.7	25040	41.2	1.6	34.1	16.5	0
563.2	17	102	762	12.35	93.7	24823	40.7	0.7	34.3	16.6	0
564.3	27.5	102	774	12.38	93.7	24711	40.3	0	37.1	17.3	0
565.4	36.8	102.5	892	14.99	93.7	27319	40	0	53.7	26.3	0
566.5	38.3	104.1	1105	21.19	93.7	56323	40	0	53.9	26.4	0
567.6	23.9	109	1421	24.96	93.7	56803	43.9	-0.2	54.7	26.8	0
568.7	25.5	110.2	1292	23.67	93.7	54172	51	-0.7	57.6	28.6	0
569.8	24.3	109.9	1181	20.83	93.4	46058	56.5	0	56.9	28.2	0
570.9	19.7	107	1222	24.95	89.8	41365	39.3	0.4	48.5	24.7	0
572	8.2	103	929	21.25	91.8	34147	33.4	0.6	30.9	16.5	0
573.1	7.5	101.4	795	17.17	93.7	26301	51	0	0	16.5	0
574.2	8.8	100	767	14.05	93.7	24621	56.9	0	19.9	16.5	0
575.3	13.1	100	766	12.07	93.7	23885	50.9	0.4	33.7	16.5	0
576.4	24.7	100	768	12.09	93.7	23541	45.2	0.7	33.7	16.5	0
577.5	26.2	100.3	815	13.29	93.7	23767	41.2	0	35.3	17.6	0
578.6	28.2	101	954	18.55	93.7	30485	43.4	0	41	20.1	0
579.7	26.7	101.6	1026	18.84	93.7	31864	43.2	0.3	52.2	25.9	0
580.8	21	102	1050	19.14	93.7	36579	28.2	3.9	41.1	20.8	0
581.9	12.1	102	821	18.02	93.7	28554	39.1	2	23	16.5	0
583	11	100	794	15.53	93.7	24460	47.8	0.4	4.2	16.5	0
584.1	19.4	100	777	13.19	93.7	23915	49.3	1.6	33.7	16.5	0
585.2	30.2	100.3	848	13.68	93.7	25040	42.7	0.3	18.7	21.9	0
586.3	39.5	102.6	1126	21.11	93.7	50487	40.9	0.5	16.5	28.6	0
587.4	43.5	115	1426	31.9	93.7	76212	37.4	0.8	32.9	33.2	0

588.5	42.5	136.6	1538	45.25	93.7	96994	34.4	0.6	71.8	35.7	0
589.6	43.3	162.4	1694	58.63	93.7	108629	39.6	-1.6	74	36.8	0
590.7	46.3	189	1853	63.08	93.7	110129	44.2	-0.6	75.7	38	0
591.8	45.8	186.8	1927	64.36	93.7	112247	50.6	0.7	75.7	38	0
592.9	44.7	185.3	2045	66.8	93.7	115506	55.7	0	51.3	37.8	0
594	43.1	186	2219	75.66	93.7	116250	57.8	0	44	37.2	0
595.1	36.1	171.1	2013	66.24	93.7	114664	60	0	71	35.3	0
596.2	36.6	158	1777	52.34	93.7	107921	60	0	70.8	35.3	0
597.3	37.6	149	1631	36.76	93.7	104328	56	0.3	70.7	35.3	0
598.4	37.6	148.5	1605	37.17	93.7	100254	49.7	0.8	71	35.3	0
599.5	37.2	148.5	1558	38.21	93.7	100504	43.1	1.2	70.6	35.3	0
600.6	34.9	155	1635	41.63	93.7	100572	45.5	1.4	70.1	35.3	0
601.7	34.1	152.5	1705	44.45	93.7	100863	49.9	0.8	69.4	34.8	0
602.8	32.9	148.8	1837	46.55	93.7	102592	57.2	0.3	69.4	34.5	0
603.9	30.6	146	1808	45.93	93.7	102598	58.2	0.2	65.8	34.5	0
605	26.7	138.4	1639	42.23	93.7	96129	59.8	0.7	25.5	32.1	0
606.1	25	128.2	1446	36.58	93.7	72187	58.4	0	47.4	32	0
607.2	25.4	117	1406	31.95	93.7	63649	59	0	63.3	31.5	0
608.3	23.1	113.2	1423	30.89	93.7	62748	59.6	0	61.6	30.6	0
609.4	23.9	111.3	1438	29.12	93.7	72954	59.6	0	36.9	31	0
610.5	24	112	1446	25.73	93.7	62358	58.1	0	34.6	30.7	0
611.6	15.3	110	1443	26.07	93.7	53558	57.6	0.1	58.4	29	0
612.7	8.9	107.2	1407	29.01	93.7	48238	60	0.8	49.2	24.5	0
613.8	1.5	102.8	1340	35.65	93.7	57448	37.1	0.3	40.3	19.9	0
614.9	0	102	1320	33.87	93.7	97245	25.9	0	34.2	16.5	0
616	0	101.4	1303	33.95	93.7	129262	25.9	0	34.5	16.9	0
617.1	0	101	1277	33.66	93.7	129357	25.9	0	34.8	16.9	0
618.2	0	101	1237	32.03	93.7	129900	25.9	0	36.2	17.4	0
619.3	0	101	1205	31.6	93.7	116236	25.9	0	38.8	18.8	0
620.4	2.9	101	1189	30.67	93.7	81988	25.9	0	40.9	21.2	0
621.5	10.7	101.6	1220	28.27	93.7	61338	36.5	0.4	34.4	25	0
622.6	29	106	1387	27.21	93.7	56308	46.3	0.6	21.9	30.2	0
623.7	26.2	107.7	1397	26.08	93.7	65057	50.6	0	60.4	30.2	0
624.8	22.9	110.1	1415	24.91	93.7	61370	50.6	0.9	60.2	30.1	0
625.9	21.6	111	1670	28.95	93.7	64986	50.2	1.3	60.3	29.9	0
627	22.5	116.2	1717	32.29	93.7	72959	48.8	0.8	62	31.8	0
628.1	25.4	124.5	1622	34.39	93.7	89656	41.6	1.6	64.4	32.3	0
629.2	30.6	136	1552	34.35	93.7	86932	44.5	1.6	65.9	32.8	0
630.3	21	134.3	1866	36.65	93.7	79737	49.3	1.4	62.3	31	0
631.4	12.8	130.3	2101	42.68	93.7	65826	55.7	0	59.6	29.6	0
632.5	7	123	1918	63.08	93.7	43464	36.7	0	42.4	25.8	0
633.6	0	114.5	1563	50.2	93.7	29485	22.7	-1	0	16.5	0
634.7	5.3	107.4	1150	33.38	93.7	25311	25.9	-5.5	0	16.5	0
635.8	16.6	103.6	798	18.88	93.7	24213	43.4	-1.8	17.6	16.5	0
636.9	28.3	101.9	784	13.85	93.7	24965	52.5	0.4	36.6	18	0
638	37.7	101	1014	15.57	93.7	40902	51.8	1.4	45.4	22.7	0
639.1	38	103	1081	18.96	93.7	53647	47.2	2.1	60	29.8	0
640.2	32.6	105.7	1199	22.32	93.7	57554	43.9	0.8	60.4	29.8	0
641.3	24.9	109	1400	24.99	93.7	51918	48.5	0.6	59.9	28.8	0
642.4	15.3	107.6	1286	25.42	93.7	51948	58.4	0	57.2	20	0
643.5	15.3	105	1037	26.58	93.7	47835	57.3	0	57.2	20	0
644.6	13.9	104.3	1011	26.6	93.7	27333	42.3	0	27.4	18.4	0
645.7	11	102	796	18.98	93.7	26219	47.8	0	5.6	16.5	0
646.8	11.7	100.9	785	14.68	93.7	24977	55.3	0	34.1	16.5	0
647.9	12.7	100	773	13.13	93.7	24623	54.9	0	34.1	16.5	0
649	15.2	100	769	11.93	93.7	23737	49.7	0.4	34.1	16.5	0
650.1	25.1	100	774	12.29	93.7	23604	44.3	0.4	34.1	16.5	0
651.2	25.4	100.3	776	12.55	93.7	24300	41.2	-0.8	34.1	16.5	0
652.3	25.9	101	774	12.5	93.7	24312	41.2	-0.4	34.1	16.5	0
653.4	25.1	101	774	12.5	93.7	24300	41.2	0	34.1	16.5	0
654.5	24.7	101							34.1	16.5	0

Time(s)	Intake		Engine RPM (rpm)	Mass Air Flow Rate (g/s)	Absolute Throttle Position (%)	Fuel Rail Pressure (kPa)	Commanded EGR (%)	EGR Error (%)	Accelerator Pedal Position D (%)	Accelerator Pedal Position E (%)	Commanded Throttle Actuator (%)
	Calculated Engine Load Value (%)	Manifold Absolute Pressure (kPa)									
79.2	0.5	99	131	0	93.7	31987	20	-18.6	34.1	16.5	0
80.3	19.1	97.7	463	7.33	93.7	48497	22.1	-16.1	34.1	16.5	0
81.4	19.9	97.2	782	16.95	93.7	29718	36	-0.1	34.1	16.5	0
82.5	21.5	98	788	14.38	93.7	29875	37.1	0	34.1	16.5	0
83.6	21.7	98.2	793	14.53	93.7	29957	38.7	-0.1	34.1	16.5	0
84.7	21.9	99	779	14.32	93.7	29631	37.6	0.2	34.1	16.5	0

85.8	22.3	99	786	14.42	93.7	29123	35.7	0.7	34.1	16.5	0
86.9	22.6	99	790	14.34	93.7	28442	35.9	0.4	34.1	16.5	0
88	21.4	99	786	14.34	93.7	28585	36.1	0	34.1	16.5	0
89.1	21.1	99.2	862	14.3	93.7	28311	36	-0.1	44.7	21.1	0
90.2	19.9	100	1381	27.37	93.7	35084	37.1	0	55.3	27.4	0
91.3	17.4	102.4	1418	28.73	93.7	43833	38.7	0	55.6	27.5	0
92.4	15.3	106.3	1476	31.33	93.7	43491	36.4	0	57.4	28.2	0
93.5	15.2	112.9	1585	34.97	93.7	47420	37.4	0.3	59.6	29.4	0
94.6	15.2	114	1612	35.38	93.7	55719	40.5	1.3	56.9	29	0
95.7	14.4	120.8	1765	37.55	93.7	55410	40.8	1.5	57.2	28.2	0
96.8	13.7	118.8	1780	40.28	93.7	53760	38.2	-0.2	55.8	27.6	0
97.9	12.1	111.9	1780	46.27	93.7	52058	40.4	0	54.9	27.1	0
99	11.8	105	1795	45.65	93.7	51043	41.3	0.8	54.9	27.1	0
100.1	11.5	104.3	1792	45.52	93.7	50766	39	0.8	54.9	27.1	0
101.2	11.4	104	1788	46.2	93.7	50510	37.2	0.8	54.5	27.1	0
102.3	11.4	104	1790	47.1	93.7	50044	36.8	0.7	54.7	27.1	0
103.4	11.4	104	1792	45.33	93.7	50262	37	0.8	54.9	27.1	0
104.5	11.4	104	1796	45.38	93.7	50275	37.2	0.6	54.9	27	0
105.6	11.4	104	1797	45.47	93.7	49962	36.8	-0.9	54.9	27.1	0
106.7	11.4	104	1800	46.68	93.7	50187	36.9	-0.4	54.9	27.1	0
107.8	11.4	104	1802	46.9	93.7	50387	37	-0.2	54.9	27.1	0
108.9	11.4	104	1805	46.58	93.7	50669	37.3	-0.7	54.9	27	0
110	11.4	104	1809	45.97	93.7	51054	37.6	0.7	54.9	27.1	0
111.1	11.4	104	1813	46.51	93.7	50864	38.2	0.8	54.9	27.1	0
112.2	33.5	104.5	1935	49.88	91.8	50235	38.8	0.8	54.8	27	0
113.3	42.1	105	2063	58.48	82.8	40587	32.3	-3.2	44.6	22.5	0
114.4	18.1	105	757	25.78	90	33556	35.9	-3.1	33.7	16.1	0
115.5	19.9	102.1	796	14.76	93.7	27836	42.5	0.6	33.7	16.1	0
116.6	19.8	100.6	822	14.87	93.7	28461	40.2	-0.8	33.7	16.3	0
117.7	19.8	100	831	15.09	93.7	28945	36.8	-0.2	33.7	16.3	0
118.8	20.4	100	846	15.48	93.7	29351	36.7	0.3	33.7	16.1	0
119.9	19.9	100	844	15.54	93.7	29626	36.5	0.9	33.7	16.1	0
121	12.5	101.2	853	15.89	93.7	29519	36.4	3	45.9	16.3	9.8
122.1	1.7	103.8	916	21.71	93.7	29521	40.4	2.3	52.1	17.6	19.6
123.2	22.6	99	916	20.28	93.7	30106	43.6	0.8	45.8	22.3	0
124.3	21.8	99	912	17.26	93.7	33233	34.7	0.5	45.2	22.2	0
125.4	9.7	99.5	893	18.04	93.7	33525	34.9	-0.1	43.5	21.5	0
126.5	10.4	99.9	865	19.37	93.7	30835	39.1	-0.8	47.1	22.7	0
127.6	14.9	99	1212	25.7	93.7	33572	39.8	-0.8	52.9	26.3	0
128.7	14.2	101.2	1353	30.13	93.7	38281	36	0.8	52.5	26	0
129.8	14.6	104.8	1382	31.6	93.7	37001	32.4	1.5	53.7	26.8	0
130.9	17.2	111.9	1532	32.32	93.7	37312	32.5	2.3	55.6	28.6	0
132	16.7	113.3	1585	34.84	93.7	48220	37.6	0.7	57.6	29	0
133.1	13.6	117.8	1831	41.01	93.7	57208	40.8	0.4	53.9	27.2	4.4
134.2	0.4	113	1338	35.98	93.5	45475	45	0.6	38.9	21.2	22.7
135.3	14	106.5	999	25.87	93.5	26846	49.5	0	5.5	21.6	5.8
136.4	17.7	101.4	834	14.62	93.7	29775	41.1	-0.8	5.5	21.6	0
137.5	13.5	100	898	17.99	93.7	27524	40.1	0	17.7	21.5	0
138.6	22.3	100	932	18.33	93.7	28300	38.7	2.2	43.4	21.2	0
139.7	21.3	100	894	17.46	93.7	30354	37.6	6	42.3	20.9	0
140.8	20.4	100	814	15.1	93.7	27740	37.2	0.7	42.4	20.8	0
141.9	20.3	100	820	15.14	93.7	27669	37.3	0.6	42.3	20.8	0
143	20.1	100	820	15.08	93.7	27318	37.2	0	42.6	20.8	0
144.1	19.6	100	807	14.66	93.7	27926	37.3	0.4	42.7	20.8	0
145.2	20.2	100	801	14.6	93.7	27981	37.4	0.7	42.7	20.8	0
146.3	20.2	100	792	14.47	93.7	27259	38	0	42.7	20.8	0
147.4	20.3	100	786	14.36	93.7	27907	38	-0.6	43	21	0
148.5	20.9	100	782	14.03	93.7	27340	37.8	-0.3	43	21.2	0
149.6	21.6	100	800	14.45	93.7	27186	37.6	0	43.3	21.3	0
150.7	20.6	100	793	14.46	93.7	27330	37.6	0.1	45.5	22.3	0
151.8	19.7	100	790	14.27	93.7	27506	37.2	0.7	38	19	0
152.9	19.2	100	827	15.21	93.7	27942	36.9	1.1	23.4	16.5	0
154	18.8	100	829	15.52	93.7	27962	36.6	1.5	0	16.5	0
155.1	18.6	100	950	17.98	93.7	29405	36.9	0.8	0	16.8	0
156.2	14.2	100.4	1005	21.01	93.7	40286	37.6	1.4	23.1	16.6	1.7
157.3	12.2	100.8	807	18	93.7	25928	41	0.5	34.3	16.7	2
158.4	21.9	99.9	833	14.82	93.7	28953	41.5	0	42.9	20.6	0
159.5	36.8	99	1900	56.12	93.7	49907	37	0.7	55.2	29.3	0
160.6	20.7	104	1483	51.09	93.7	66428	31.7	1.9	34.9	17.3	0
161.7	14.3	104.2	903	19.28	93.6	40294	45.1	-4.7	45.7	21.8	0
162.8	16	100	1128	28.74	92.2	27615	43.2	-1.9	43.3	21.9	0
163.9	20	100	808	19.32	93.1	25676	42	0	33.7	16.5	0
165	19.2	100	820	14.96	93.7	27442	41	0.1	33.7	16.5	0
166.1	18.8	100	822	14.68	93.7	27448	37.6	0.8	33.7	16.5	0

167.2	18.8	100	811	14.49	93.7	27013	37.6	0.2	33.7	16.5	0
168.3	18.9	100	817	3.49	46.3	32096	30.3	-5.6	33.7	16.5	3.8
169.4	0	64.6	413	2.17	16	36672	20	-15.6	33.7	16.5	39.9
170.5	0	51.1	0	0	15.7	34532	20	-18.3	33.9	16.5	28.7
171.6	0	99	0	0	57.5	31784	20	-19.5	34	16.5	0
172.7	0	99	0	0	93.7	28217	20	-19.5	33.7	16.5	0
173.8	0	98.8	0	0	93.7	24581	20	-19.5	33.7	16.5	0
174.9	0	98	0	0	93.7	22863	20	-19.5	33.7	16.5	0
176	0	98.8	0	0	93.7	20700	20	-19.5	33.7	16.5	0
177.1	0	98.5	0	0	93.7	18729	20	-19.5	33.7	16.5	0
178.2	0	98	0	0	93.7	16973	20	-19.5	33.7	16.5	0
179.3	0	98	0	0	93.7	15697	20	-19.5	33.7	16.5	0
180.4	0	98.7	0	0	93.7	14362	20	-19.5	33.7	16.5	0
181.5	0	99	0	0	93.7	13142	20	-19.5	33.7	16.5	0
182.6	0	99	0	0	93.7	12096	20	-19.5	33.7	16.5	0
183.7	0	99	0	0	93.7	11262	20	-19.5	33.7	16.5	0
184.8	0	98.8	0	0	93.7	10156	20	-19.5	33.7	16.5	0
185.9	0	98	0	0	93.7	9625	20	-19.5	33.7	16.5	0
187	0	98.7	0	0	93.7	8939	20	-19.5	33.7	16.5	0
188.1	0	99	0	0	93.7	8290	20	-19.5	33.7	16.5	0
189.2	0	99	0	0	93.7	7501	20	-17.3	33.7	16.5	0
190.3	0	99	0	0	93.7	7216	20	-17.3	33.7	16.5	0
191.4	0	99	0	0	93.7	3388	20	-17.3	33.7	16.5	0
192.5	0	99	0	0	93.7	3406	20	-17.3	33.7	16.5	0
193.6	0	99	0	0	93.7	3424	20	-17.3	33.7	16.5	0
194.7	0	99	0	0	93.7	3442	20	-17.3	33.7	16.5	0
195.8	0	99	0	0	93.7	3461	20	-17.3	33.7	16.5	0
196.9	0	99	0	0	93.7	3479	20	-17.2	33.7	16.5	0
198	0	99	0	0	93.7	3497	20	-17.2	33.7	16.5	0
199.1	0	99	0	0	93.7	3515	20	-17.2	33.7	16.5	0
200.2	0	99	0	0	93.7	3533	20	-17.2	33.7	16.5	0
201.3	0	99	0	0	93.7	3536	20	-17.2	33.7	16.5	0
202.4	0	99	0	0	93.7	3277	20	-17.2	33.7	16.5	0
203.5	0	99	0	0	93.7	3122	20	-17.2	33.7	16.5	0
204.6	0	99	0	0	93.7	2882	20	-17.2	33.7	16.5	0
205.7	0	99	0	0	93.7	2655	20	-17.2	33.7	16.5	0
206.8	0	99	0	0	93.7	2580	20	-17.2	33.7	16.5	0
207.9	0	99	0	0	93.7	2397	20	-17.2	33.7	16.5	0
209	0	99	0	0	93.7	2220	20	-17.2	33.7	16.5	0
210.1	0	99	0	0	93.7	2050	20	-17.2	33.7	16.5	0
211.2	0	99	0	0	93.7	1870	20	-17.2	33.7	16.5	0
212.3	0	99	0	0	93.7	1849	20	-17.2	33.7	16.5	0
213.4	0	99	0	0	93.7	1729	20	-17.2	33.7	16.5	0
214.5	0	99	0	0	93.7	1600	20	-17.2	33.7	16.5	0
215.6	0	99	0	0	93.7	1599	20	-17.2	33.7	16.5	0
216.7	0	99	0	0	93.7	1434	20	-17.2	33.7	16.5	0
217.8	0	99	0	0	93.7	1360	20	-17.2	33.7	16.5	0
218.9	0	99	0	0	93.7	1333	20	-17.2	33.7	16.5	0
220	0	99	0	0	93.7	1139	20	-17.2	33.7	16.5	0
221.1	0	99	0	0	93.7	1123	20	-17.2	33.7	16.5	0
222.2	0	99	0	0	93.7	1110	20	-17.2	33.7	16.5	0
223.3	0	99	0	0	93.7	1110	20	-17.2	33.7	16.5	0
224.4	0	99	0	0	93.7	1078	20	-17.2	33.7	16.5	0
225.5	0	99	0	0	93.7	994	20	-17.2	33.7	16.5	0
226.6	0	99	0	0	93.7	870	20	-17.2	33.7	16.5	0
227.7	0	99	0	0	93.7	869	20	-17.2	33.7	16.5	0
228.8	0	99	0	0	93.7	870	20	-17.2	33.7	16.5	0
229.9	0	99	0	0	93.7	870	20	-17.2	33.7	16.5	0
231	0	99	0	0	93.7	859	20	-17.2	33.7	16.5	0
232.1	0	99	0	0	93.7	749	20	-17.2	33.7	16.5	0
233.2	0	99	0	0	93.7	677	20	-17.2	33.7	16.5	0
234.3	0	99	0	0	93.7	620	20	-17.2	33.7	16.5	0
235.4	0	99	0	0	93.7	620	20	-17.2	33.7	16.5	0
236.5	0	99	0	0	93.7	620	20	-17.2	33.7	16.5	0
237.6	0	99	0	0	93.7	620	20	-17.2	33.7	16.5	0
238.7	0	99	0	0	93.7	620	20	-17.2	33.7	16.5	0
239.8	0	99	0	0	93.7	620	20		33.7	16.5	0