Time (sec)	Accel Ped. Pos.	Actual Load (loa	Boost (PSI)	Boost Mean Ab	Cyl1 Timing Cor	Cyl2 Timing Cor	Cyl3 Timing Cor	Cyl4 Timing Cor	Cyl5 Timing Cor	Cyl6 Timing Cor	Fuel LPFP (PSI)	Lambda (Bank1	Lambda (Bank2	Load Requeste	RPM (RPM)	TPS Act. (%)	Timing Cyl. 1 (°)	WGDC After PI	WGDC Bank 1 (	WGDC Bank 2 (	WGDC Base Value (%)
0	0	29.7	-6.7	14.4	0	0	0	0	0	0	80	14.41	14.7	30.3	728	3.4	0	0.1	11.5	11.5	0.1
0.031	0	29.8	-6.7	14.4	0	0	0	0	0	0	80	14.26	14.7	30.2	727	3.4	-0.4	0.1	11.5	11.5	0.1
0.087	0	29.7	-6.7	14.4	0	0	0	0	0	0	81	14.26	14.55	30.1	726	3.4	-0.4	0.1	11.5	11.5	0.1
0.161	0	29.6	-6.7	14.4	0	0	0	0	0	0	80	14.11	14.41	30.2	725	3.4	0.8	0.1	11.5	11.5	0.1
0.213	0	29.6	-6.7	14.4	0	0	0	0	0	0	80	14.26	14.26	30.2	727	3.4	0.4	0.1	11.5	11.5	0.1
0.273	0	29.6	-6.7	14.4	0	0	0	0	0	0	80	14.26	14.26	30.2	724	3.4	1.5	0.1	11.5	11.5	0.1
0.352	0	29.6	-6.7	14.4	0	0	0	0	0	0	80	14.11	14.26	30.2	725	3.4	1.1	0.1	11.5	11.5	0.1
0.424	0	29.5	-6.7	14.4	0	0	0	0	0	0	80	14.41	14.11	30.2	728	3.4	1.1	0.1	11.5	11.5	0.1
0.493	0	29.5	-6.7	14.4	0	0	0	0	0	0	80	14.26	14.26	30	727	3.4	0.4	0.1	11.5	11.5	0.1
0.573	0	29.5	-6.7	14.4	0	0	0	0	0	0	80	14.41	14.41	30.1	725	3.4	0.8	0.1	11.5	11.5	0.1
0.646	0	29.6	-6.7	14.4	0	0	0	0	0	0	80	14.41	14.41	30.2	721	3.4	0.8	0.1	11.5	11.5	0.1
0.703	0	29.7	-6.7	14.4	0	0	0	0	0	0	80	14.55	14.41	30.3	716	3.4	4.1	0.1	11.5	11.5	0.1
0.781	0	29.7	-6.7	14.4	0	0	0	0	0	0	80	14.85	14.26	30.3	719	3.4	4.1	0.1	11.5	11.5	0.1
0.847	0	29.7	-6.7	14.4	0	0	0	0	0	0	80	14.7	14.55	30.4	721	3.4	2.2	0.1	11.5	11.5	0.1
0.923	0	30	-6.6	14.4	0	0	0	0	0	0	79	15.14	14.41	30.4	721	3.5	1.1	0.1	11.5	11.5	0.1
0.985	0	30	-6.6	14.4	0	0	0	0	0	0	80	14.99	14.55	30.1	722	3.5	-0.4	0.1	11.5	11.5	0.1
1.058	0	30.3	-6.6	14.4	0	0	0	0	0	0	80	15.14	14.7	30.1	716	3.4	0	0.1	11.5	11.5	0.1
1.146	0	30.3	-6.6	14.4	0	0	0	0	0	0	80	14.99	14.7	30.3	723	3.4	-1.1	0.1	11.5	11.5	0.1
1.204	0	30.3	-6.6	14.4	0	0	0	0	0	0	80	14.7	14.55	30	728	3.4	-2.6	0.1	11.5	11.5	0.1
1.281	0	30.2	-6.6	14.4	0	0	0	0	0	0	80	14.55	14.55	29.9	727	3.4	-2.2	0.1	11.5	11.5	0.1
1.345	0	30.2	-6.6	14.4	0	0	0	0	0	0	80	14.41	14.41	29.9	725	3.4	-2.2	0.1	11.5	11.5	0.1
1.419	16.3	30.2	-6.6	14.4	0	0	0	0	0	0	80	14.41	14.26	31.5	724	3.4	0.4	0.1	11.5	11.5	0.1
1.477	21.2	31	-6.4	14.4	0	0	0	0	0	0	80	14.11	14.11	36.3	732	5.1	13.9	0.2	11.6	11.6	0.2
1.543	19.4	36.1	-5.4	14.4	0	0	0	0	0	0	80	14.11	14.11	39.7	760	5.6	14.2	0.9	12.3	12.3	0.8
1.624	18.9	40.3	-4.5	14.4	0	0	0	0	0	0	80	14.11	14.11	42.3	801	5.3	14.2	3.7	15	15	3.5
1.676	17.3	41.7	-4.3	14.4	0	0	0	0	0	0	80	14.26	14.41	43.6	847	5.8	15	5.6	16.9	16.9	5.2
1.756	17.4	42.7	-4.3	14.4	0	0	0	0	0	0	79	14.11	14.55	45	921	6.2	15.4	6.5	17.7	17.7	6.1
1.819	17.4	44.3	-4.2	14.4	0	0	0	0	0	0	79	14.26	14.41	46.1	1012	6.7	16.5	7.4	18.6	18.6	6.9
1.912	17.5	45.2	-4.2	14.4	0	0	0	0	0	0	78	14.11	13.82	47.4	1098	7.7	15.8	8.2	19.4	19.4	7.6
1.981	17.5	45.7	-4.1	14.4	0	0	0	0	0	0	78	13.82	13.67	48.5	1190	8.6	15.8	8.5	19.8	19.8	8
2.044	17.8	46.9	-3.8	14.4	0	0	0	0	0	0	78	14.11	14.11	49	1250	9.4	15.8	8.5	20.6	20.6	8
2.108	17.8	47.4	-3.6	14.4	0	0	0	0	0	0	78	15.14	14.7	49.7	1301	10.3	16.5	8.7	20.1	20.1	8.2
2.185	17.8	48	-3.2	14.4	0	0	0	0	0	0	78	15.58	15.29	50.2	1360	11.3	15.8	8.8	20.3	20.3	8.2
2.238	17.8	48	-2.9	14.4	0	0	0	0	0	0	78	16.17	15.88	50.3	1407	11.9	16.9	8.7	21.1	21.1	8.1
2.303	17.8	47.9	-2.4	14.4	0	0	0	0	0	0	77	16.32	16.32	50.3	1469	12.7	17.2	8.6	21.2	21.2	8.1
2.381	18.1	49	-1.9	14.4	0	0	0	0	0	0	77	16.61	15.88	50.5	1518	13.6	18	8.6	21.1	21.1	8
2.437	18.1	49.5	-1.9	14.4	0	0	0	0	0	0	77	16.61	15.43	49.4	1580	13.8	18	8.2	20.6	20.6	7.7
2.506	18.2	48.6	-1.9	14.4	0	0	0	0	0	0	77	16.32	14.99	48.4	1628	13.8	19.5	7.8	20	20	7.3
2.583	17.9	47.5	-1.9	14.5	0	0	0	0	0	0	77	15.88	14.26	46.8	1657	13.2	19.9	7.2	19.2	19.2	6.7
2.656	17.9	46.2	-1.9	14.5	0	0	0	0	0	0	77	15.14	13.96	46.3	1650	13	20.2	7	19	19	6.5
2.718	17.9	46.7	-1.9	14.5	0	0	0	0	0	0	78	14.41	13.96	46	1629	12.7	19.9	6.9	18.9	18.9	6.5
2.796	17.9	46.5	-1.9	14.6	0	0	0	0	0	0	77	14.26	14.26	45.9	1614	12.7	19.9	6.9	18.9	18.9	6.4
2.875	18.2	46.6	-1.9	14.6	0	0	0	0	0	0	77	14.7	14.26	45.8	1600	12.3	19.5	6.9	19	19	6.4
2.933	18.4	47.3	-1.8	14.6	0	0	0	0	0	0	77	15.14	14.55	47.7	1589	11.9	19.5	7.6	18.9	18.9	7.1
3.011	18.7	47.6	-1.8	14.6	0	0	0	0	0	0	77	14.99	15.14	48.7	1581	12.6	18.8	8	19.3	19.3	7.4
3.084	19.2	48.9	-1.7	14.6	0	0	0	0	0	0	76	14.7	14.85	49.5	1587	12.6	18.8	8.3	19.5	19.5	7.7
3.161	19.2	49.8	-1.7	14.6	0	0	0	0	0	0	77	14.41	14.55	50.7	1607	13	18.4	8.6	19.8	19.8	8
3.223	19.2	50.3	-1.6	14.6	0	0	0	0	0	0	76	14.41	14.26	50.6	1624	13.1	18.4	8.6	19.8	19.8	8
3.292	19.2	50.6	-1.6	14.7	0	0	0	0	0	0	76	14.41	13.82	50.5	1632	13.1	18.4	8.6	20.7	20.7	8
3.361	19.2	50.6	-1.6	14.7	0	0	0	0	0	0	77	14.41	13.67	50.4	1641	13	18.4	8.5	19.8	19.8	8
3.431	19.2	50.6	-1.6	14.7	0	0	0	0	0	0	76	14.55	13.96	50.5	1643	13	18.4	8.6	19.8	19.8	8
3.493	19.2	50.6	-1.6	14.7	0	0	0	0	0	0	76	14.99	14.41	50.5	1645	12.9	18.4	8.6	19.8	19.8	8
3.585	19.3	50.5	-1.6	14.8	0	0	0	0	0	0	76	15.29	14.41	50.7	1646	12.8	18.4	8.6	19.8	19.8	8
3.643	19.3	50.7	-1.6	14.8	0	0	0	0	0	0	76	15.14	14.41	50.6	1651	12.8	18.4	8.6	19.8	19.8	8
3.712	19.3	50.6	-1.6	14.8	0	0	0	0	0	0	76	14.55	14.26	50.7	1657	12.7	18.4	8.6	19.8	19.8	8
3.788	19.4	50.8	-1.6	14.8	0	0	0	0	0	0	76	14.41	13.96	50.9	1664	12.7	18.4	8.6	19.9	19.9	8.1
3.853	19.7	50.9	-1.5	14.8	0	0	0	0	0	0	75	14.11	13.96	52	1671	13	18.8	8.9	20.1	20.1	8.3
3.916	19.7	51.7	-1.5	14.8	0	0	0	0	0	0	76	14.11	14.11	52.1	1675	13	18.4	8.9	20.1	20.1	8.3
3.974	19.7	52.1	-1.5	14.8	0	0	0	0	0	0	77	14.41	14.41	52.2	1684	13	18.4	8.9	20.1	20.1	8.3
4.032	20	51.9	-1.5	14.8	0	0	0	0	0	0	76	14.55	14.55	53.3	1687	13.4	18.4	9.1	20.3	20.3	8.5
4.111	20.5	53.4	-1.4	14.8	0	0	0	0	0	0	77	14.26	14.85	54.4	1697	13.9	18	9.3	20.6	20.6	8.7
4.172	20.8	55.6	-1.4	14.8	0	0	0	0	0	0	76	14.11	14.85	56.7	1713	14.2	17.2	9.8	21	21	9.1
4.248	21.1	56.5	-1.3	14.8	0	0	0	0	0	0	76	14.26	14.7	56.6	1733	14.4	16.9	9.7	22	22	9.1
4.305	21.8	57.7	-1.2	14.8	0	0	0	0	0	0	75	14.26	14.41	59.2	1756	15.1	16.9	10.3	22.5	22.5	9.6
4.382	21.8	60.9	-1.1	14.8	0	0	0	0	0	0	75	14.11	14.11	61.1	1776	15.7	15.4	10.9	22.1	22.1	10.2
4.466	21.9	61	-1.1	14.8	0	0	0	0	0	0	75	14.11	13.96	61.2	1797	15.8	15.4	10.9	22.2	22.2	10.2
4.523	21.9	61.2	-1	14.8	0	0	0	0	0	0	75	13.96	13.82	61.4	1820	16	15.4	11	23.2	23.2	10.3
4.592	21.9	61.3	-1	14.8	0	0	0	0	0	0	75	13.96	13.96	61.5	1831	16.1	15.4	11	22.3	22.3	10.3
4.669	21.9	61.7	-1	14.8	0	0	0	0	0	0	75	14.41	14.11	61.6	1842	16.1	15.8	11	22.4	22.4	10.3
4.737	22	61.4	-1	14.8	0	0	0	0	0	0	75	14.41	14.26	61.6	1854	16.1	15.8	11	22.3	22.3	10.3
4.813	22	61.5	-1	14.8	0	0	0	0	0	0	75	14.41	14.55	61.9	1866	16.2	15.8	11.1	22.5	22.5	10.4
4.885	22	61.5	-1	14.8	0	0	0	0	0	0	75	14.41	14.7	62	1883	16.2	15.8	11.2	22.4	22.4	10.4
4.951	21.8	61.1	-1	14.9	0	0	0	0	0	0	75	14.26	14.99	61	1892	16.1	15.8	10.8	22.1	22.1	10.1
5.012	21.8	60.6	-0.9	14.9	0	0	0	0	0	0	76	14.11	14.85	60.9	1899	16	15.8	10.8	22	22	10.1
5.091	22.1	60.4	-0.9	14.9	0	0	0	0	0	0	75	14.26	14.7	61	1903	16	15.8	10.8	22.1	22.1	10.1
5.152	22.1	61.9	-0.9	14.9	0	0	0	0	0	0	75	14.26	14.7	62	1908	16.5	15.8	11.2	23.6	23.6	10.4
5.221	22.1	61.8	-0.9	14.9	0	0	0	0	0	0	75	14.26	14.85	62	1923	16.6	16.5	11.2	22.4	22.4	10.4

5.284	22.1	61.9	-0.8	14.9	0	0	0	0	0	0	75	14.41	14.41	62	1942	16.8	16.5	11.2	22.4	22.4	10.4	
5.352	22.1	62	-0.8	14.8	0	0	0	0	0	0	75	14.41	14.26	62	1956	16.8	16.5	11.2	22.4	22.4	10.4	
5.429	22.6	62.9	-0.7	14.8	0	0	0	0	0	0	76	14.41	14.41	64.2	1984	17.6	16.5	12.2	23.6	23.6	11.4	
5.492	23.4	63.6	-0.7	14.8	0	0	0	0	0	0	75	14.55	14.55	66.2	2018	18.2	16.9	13.1	24.4	24.4	12.2	
5.583	24	68.3	-0.4	14.8	0	0	0	0	0	0	75	14.41	14.41	70.8	2050	24	16.5	14.6	27.1	27.1	13.6	
5.649	23.8	68.6	-0.3	14.8	0	0	0	0	0	0	73	14.7	14.26	68.5	2109	25	16.5	13.9	26.1	26.1	13	
5.712	23.9	68.2	-0.3	14.8	0	0	0	0	0	0	74	14.7	14.7	67.9	2121	25.4	16.5	13.7	26	26	12.8	
5.784	23.9	68.1	-0.3	14.9	0	0	0	0	0	0	73	15.14	14.99	68.1	2131	25	16.5	13.7	25	25	12.8	
5.873	23.9	67.9	-0.3	14.9	0	0	0	0	0	0	74	15.29	15.29	68	2170	23.8	16.5	13.7	25.1	25.1	12.7	
5.932	23.7	67.9	-0.3	14.9	0	0	0	0	0	0	72	14.7	14.85	67.9	2207	24.1	16.5	13.6	25.9	25.9	12.7	
5.994	23.2	66.8	-0.3	15	0	0	0	0	0	0	72	13.67	13.82	65.5	2232	22.6	16.9	12.7	25.1	25.1	11.8	
6.067	23.5	64.4	-0.4	15	0	0	0	0	0	0	74	13.67	14.11	65.5	2253	20.9	16.9	12.7	24.1	24.1	11.8	
6.154	23.6	65.4	-0.4	15.1	0	0	0	0	0	0	74	14.99	14.99	65.4	2259	20.7	16.9	12.7	25	25	11.8	
6.212	23.6	64	-0.4	15.1	0	0	0	0	0	0	73	14.85	14.7	65.5	2290	19.9	16.9	12.7	24	24	11.8	
6.289	23.6	65.3	-0.2	15.1	0	0	0	0	0	0	75	14.26	14.26	65.5	2300	21.2	16.9	12.7	24	24	11.8	
6.352	23.4	64.7	-0.3	15.2	0	0	0	0	0	0	74	14.26	13.96	64.4	2314	19.7	16.9	12.3	24.7	24.7	11.4	
6.426	24	65.6	-0.2	15.2	0	0	0	0	0	0	74	14.55	14.85	66.9	2314	20.4	16.9	13.9	25.4	25.4	13	
6.479	24	66.4	-0.1	15.3	0	0	0	0	0	0	74	14.7	14.85	66.9	2345	22.2	16.9	13.1	25.4	25.4	12.2	
6.568	24.1	67.4	-0.2	15.3	0	0	0	0	0	0	72	14.85	14.41	66.9	2408	21.3	16.9	13	25.4	25.4	12.2	
6.632	24.1	67.2	-0.2	15.3	0	0	0	0	0	0	72	14.55	14.41	66.9	2433	20.4	16.9	13	25.4	25.4	12.1	
6.69	24.1	67.2	-0.2	15.4	0	0	0	0	0	0	72	14.7	14.7	65.7	2434	19.4	16.9	12.6	23.9	23.9	11.7	
6.765	24.4	67	-0.3	15.5	0	0	0	0	0	0	73	14.7	14.7	68.2	2442	19.2	16.9	13.4	24.7	24.7	12.5	
6.818	24.7	69.4	-0.2	15.5	0	0	0	0	0	0	72	14.55	14.55	70.3	2462	20.4	16.5	14.1	25.4	25.4	13.1	
6.887	25	70.6	-0.2	15.5	0	0	0	0	0	0	72	14.26	14.41	71.7	2503	21	16.5	13.8	25.3	25.3	12.9	
6.964	25.1	72.2	-0.2	15.5	0	0	0	0	0	0	72	14.7	14.55	71.4	2522	20.7	15.4	13.8	25.2	25.2	12.9	
7.017	26.2	71.4	-0.4	15.6	0	0	0	0	0	0	72	14.55	14.7	73	2542	18.9	15.4	14	25.3	25.3	13.1	
7.081	33.5	73.8	-0.3	15.6	0	0	0	0	0	0	73	14.7	14.55	77.1	2570	21.2	15.4	16	27.5	27.5	14.9	
7.15	39	80.3	0.3	15.4	0	0	0	0	0	0	71	14.41	14.55	109.4	2611	30.1	13.1	39.6	52.1	52.1	14	
7.213	47.9	88.4	1	15.5	0	0	0	0	0	0	69	13.96	14.11	127.4	2661	48.9	13.9	57	70	70	18.7	
7.277	55.3	88.8	1.1	15.6	0	0	0	0	0	0	69	14.11	13.96	130.8	2675	73.1	12.8	57	69.7	69.7	20.4	
7.33	65.1	88.6	1.2	15.7	0	0	0	0	0	0	72	14.55	14.41	130.5	2699	78.4	12.8	57	69.7	69.7	17.6	
7.394	79.7	88.3	1.3	15.7	0	0	0	0	0	0	75	14.99	14.85	130	2760	79.5	12.8	57	70.5	70.5	17.5	
7.458	91	88.4	1.4	15.8	0	0	0	0	0	0	77	15.14	15.29	129.6	2803	81	13.5	57	69.7	69.7	17.2	
7.523	96.9	88.4	1.5	15.9	0	0	0	0	0	0	77	14.7	15.43	129.1	2832	81.2	13.5	57	69.7	69.7	17.2	
7.604	99.6	88.7	1.6	16	0	0	0	0	0	0	74	14.41	14.55	128.4	2877	81.2	13.5	57	70.3	70.3	17.1	
7.667	99.6	89.3	1.7	16.1	0	0	0	0	0	0	73	14.7	14.41	127.6	2927	81.1	13.9	57	69.8	69.8	16.8	
7.732	99.6	89.1	1.7	16.2	0	0	0	0	0	0	72	15.73	15.43	126.8	2970	81	14.2	57	70	70	16.6	
7.794	99.6	89.6	1.8	16.3	0	0	0	0	0	0	71	15.58	15.43	126.4	3006	81.1	15	57	70.8	70.8	16.6	
7.857	99.6	90.4	1.9	16.4	0	0	0	0	0	0	71	14.26	14.7	127.1	3066	81	14.2	57	71	71	16.8	
7.922	99.6	91.3	2	16.5	0	0	0	0	0	0	72	14.26	14.41	127.4	3104	81	14.2	57	69.5	69.5	17.1	
7.986	99.6	92.2	2.2	16.6	0	0	0	0	0	0	73	15.58	14.99	127.8	3132	81	14.2	57	70	70	17.3	
8.064	99.6	93.9	2.3	16.8	0	0	0	0	0	0	74	15.29	15.43	128.6	3215	81	14.2	57	70	70	17.7	
8.147	99.6	95.1	2.5	16.9	0	0	0	0	0	0	72	14.11	14.11	129	3267	81	15	57	69.6	69.6	17.7	
8.21	99.6	96.8	2.7	17.2	0	0	0	0	0	0	72	15.43	15.58	129.1	3288	81	15	57	69.6	69.6	17.7	
8.274	99.6	98.3	2.9	17.3	0	0	0	0	0	0	74	15.88	15.88	129.2	3382	81	15	57	70.1	70.1	17.4	
8.347	99.6	99.9	3.1	17.5	0	0	0	0	0	0	71	13.96	13.96	129.3	3426	81	13.5	57	68.9	68.9	17.3	
8.421	99.6	101.7	3.4	17.8	0	0	0	0	0	0	73	14.99	14.85	129.7	3459	81	15	57	69.6	69.6	17.2	
8.485	99.6	102.6	3.6	18	0	0	0	0	0	0	74	16.02	15.73	130	3546	81	13.1	56.2	69.7	69.7	17	
8.558	99.6	103.9	3.8	18.4	0	0	0	0	0	0	72	14.26	14.55	130.1	3603	81	13.1	46.9	60	60	17.1	
8.631	99.6	106.1	4.2	18.7	0	0	0	0	0	0	74	14.7	14.41	130.6	3645	81	15.4	37.7	51	51	17.3	
8.693	99.6	107.6	4.5	19	0	0	0	0	0	0	74	15.29	15.43	130.8	3712	81.1	15	29.7	42.8	42.8	17.5	
8.756	99.6	109.2	4.8	19.4	0	0	0	0	0	0	74	14.85	14.85	129.6	3768	81	14.2	26.7	39.7	39.7	17.5	
8.82	99.6	110.8	5.2	19.7	0	0	0	0	0	0	75	14.99	14.55	128.4	3831	81	14.2	24.5	37.1	37.1	17.5	
8.899	99.6	111.7	5.4	20.1	0	0	0	0	0	0	73	14.85	15.14	127.4	3882	81	14.2	21.4	34.2	34.2	17.4	
8.961	99.6	111.4	5.4	20.6	0	0	0	0	0	0	74	15.14	15.29	126.7	3957	81	13.9	19.3	31	31	17.7	
9.025	99.6	116.2	6.2	21.2	0	0	0	0	0	0	73	15.14	15.14	126.3	4040	80.9	12.8	19.1	30.7	30.7	18.2	
9.101	99.6	121.2	7.1	21.8	0	0	0	0	0	0	72	14.41	14.41	126	4097	81	12	18.3	30	30	18.6	
9.164	99.6	126.1	8	22.6	0	0	0	0	0	0	74	14.99	14.99	125.6	4183	79	11.2	17.5	30.3	30.3	18.8	
9.237	99.6	126.6	8.3	23.7	0	0	0	0	0	0	77	14.99	14.99	122.7	4298	39.2	10.5	12.6	25	25	18.1	
9.31	99.6	122.6	7.6	25.4	0	0	0	0	0	0	77	14.11	14.11	122.2	4345	24.8	10.5	8.2	20.3	20.3	19.1	
9.383	99.6	123.1	7.7	25.9	0	0	0	0	0	0	79	13.52	13.52	122.4	4380	23.5	10.9	13.5	24.9	24.9	18.4	
9.463	99.6	121	7.4	26.1	0	0	0	0	0	0	76	13.52	13.52	122.8	4459	22.6	10.9	14.5	25.9	25.9	18.8	
9.516	99.6	122.3	7.7	25.8	0	0	0	0	0	0	68	13.82	13.67	123.2	4538	23.8	10.5	15	27.5	27.5	19.1	
9.588	99.6	122.7	7.8	25.7	0	0	0	0	0	0	67	13.52	13.52	123.6	4604	24.6	10.5	14.9	27.4	27.4	19	
9.651	99.6	123.4	7.9	25.7	0	0	0	0	0	0	69	13.82	13.82	123.9	4672	25.3	9.8	15.5	26.9	26.9	19.8	
9.707	99.6	123.4	7.9	25.7	0	0	0	0	0	0	68	13.82	13.82	124.3	4731	26.1	9.8	15.4	27	27	19.6	
9.776	99.6	123.3	8	25.7	0	0	0	0	0	0	71	13.67	13.82	124.7	4804	28	10.5	15.5	27.9	27.9	19.7	
9.848	99.6	124.6	8.1	25.7	0	0	0	0	0	0	74	14.26	14.11	125.1	4879	29.4	10.5	15.7	28.3	28.3	20	
9.925	99.6	125	8.2	25.8	0	0	0	0	0	0	76	13.67	13.67	125.5	4954	29.7	9.8	15.8	27.1	27.1	20.1	
9.988	96.8	125.4	8.3	25.9	0	0	0	0	0	0	78	13.82	13.67	125.8	5034	30.3	10.5	15.9	28.5	28.5	20.2	
10.061	96.9	125.8	8.4	25.8	0	0	0	0	0	0	76	13.52	13.38	126.2	5119	31	10.5	15.9	28.3	28.3	20.5	
10.124	95.9	126	8.4	25.8	0	0	0	0	0	0	73	13.38	13.23	126.6	5196	31.7	10.5	15.8	28.2	28.2	20.7	
10.197	99.6	126.5	8.4	25.7	0	0	0	0	0	0	72	13.38	13.38	126.9	5271	32.6	10.5	15.6	28	28	20.7	
10.265	99.6	127.1	8.5	25.7	0	0	0	0	0	0	71	13.08	13.08	127.3	5342	33.2	10.5	15.5	27.9	27.9	21	
10.343	99.6	127.1	8.4	25.7	0	0	0	0	0	0	71	13.23	13.08	127.6	5403	33.5	10.5	15.3	27.7	27.7	21	
10.406	99.3	127.5	8.4	25.6	0	0	0	0	0	0	72	12.94	12.94	128	5496	34.4	10.5	15.4	27.8	27.8	21.4	
10.471	99.6	127.4	8.4	25.6	0	0	0	0	0	0	72	12.94	12.94	127.2	5561	34.6	10.9	15.3	26.5	26.5	21.6	
10.537	98.4	126.5	8.2	25.5	0	0	0	0	0	0	71	12.94	12.79	126.2	5640	34.5	10.9	14.9	26.3	26.3	21.6	

10.606	98	126	7.9	25.5	0	0	0	0	0	0	71	12.64	12.79	125.5	5701	34.1	10.9	14.5	26.9	26.9	21.6
10.674	89.8	124.9	7.8	25.5	0	0	0	0	0	0	73	12.64	12.64	124.7	5774	34	11.2	14.6	26.9	26.9	21.6
10.747	72.1	124.2	7.6	25.4	0	0	0	0	0	0	72	12.79	12.49	123.7	5857	33.9	11.2	14.1	26.5	26.5	21.6
10.815	35.1	123.1	7.5	25.4	0	0	0	0	0	0	72	12.64	12.64	123	5928	33.4	11.2	13.9	26.3	26.3	21.6
10.884	0	110.7	5.3	27	0	0	0	0	0	0	75	12.79	12.49	78.4	5978	23.4	12.4	14.2	25.6	25.6	13.3
10.943	0	70.2	-1.4	26.6	0	0	0	0	0	0	83	13.08	12.64	48.5	5926	14.4	18	11.3	22.6	22.6	10.5
11.006	0	39.8	-6.5	25.4	0	0	0	0	0	0	80	14.11	13.08	29.6	5850	9.3	25.9	14.2	25.6	25.6	13.2
11.068	0	21.5	-9.6	23.8	0	0	0	0	0	0	78	13.52	13.52	18.4	5864	5.6	34.5	28.8	40.9	40.9	26.9
11.131	0	15.2	-10.6	21.7	0	0	0	0	0	0	79	12.94	12.64	12.5	5867	5.8	24	47.2	59.1	59.1	44
11.193	0	11.2	-11.3	20.3	0	0	0	0	0	0	80	13.82	13.52	12.1	5898	6.4	9.8	47.4	59.7	59.7	44.2
11.266	0	11.3	-11.3	19.1	0	0	0	0	0	0	79	14.99	14.55	11.9	5876	6.6	7.5	47.5	59.8	59.8	44.3
11.318	0	11.5	-11.2	18.2	0	0	0	0	0	0	80	19.26	19.55	11.9	5843	7.3	7.5	47.5	59.4	59.4	44.3
11.381	0	11.3	-11.2	17.6	0	0	0	0	0	0	81	42.92	43.95	11.8	5831	7.5	7.5	47.6	59.9	59.9	44.3
11.456	0	11.6	-11.2	17.2	0	0	0	0	0	0	84	235.2	235.2	11.8	5822	7.7	7.5	47.6	59.4	59.4	44.3
11.509	0	11.5	-11.2	16.7	0	0	0	0	0	0	80	235.2	235.2	11.8	5783	7.8	7.5	47.6	59.9	59.9	44.4
11.578	0	11.4	-11.2	16.4	0	0	0	0	0	0	79	235.2	235.2	11.8	5714	7.8	7.1	47.7	60	60	44.4
11.631	0	11.6	-11.2	16.2	0	0	0	0	0	0	79	235.2	235.2	11.7	5617	7.9	7.1	47.8	60.1	60.1	44.5
11.691	0	11.5	-11.1	16	0	0	0	0	0	0	80	235.2	235.2	11.6	5477	7.8	6.8	47.9	60.2	60.2	44.7
11.754	0	11.7	-11.1	15.8	0	0	0	0	0	0	78	235.2	235.2	11.5	5298	7.8	6.4	48.1	60.4	60.4	44.8
11.831	0	11.8	-11.1	15.7	0	0	0	0	0	0	78	235.2	235.2	11.4	5079	7.5	6	48.3	60.7	60.7	45.1
11.892	0	11.5	-11.1	15.5	0	0	0	0	0	0	80	235.2	235.2	11.3	4892	7.4	6.4	48.5	61.3	61.3	45.2
11.961	0	11.2	-11	15.4	0	0	0	0	0	0	80	235.2	235.2	11.2	4684	6.9	5.2	48.7	62	62	45.4
12.029	0	11.1	-11	15.3	0	0	0	0	0	0	80	235.2	235.2	11.2	4501	6.7	5.2	48.4	61.7	61.7	45.1
12.089	0	11.2	-11	15.2	0	0	0	0	0	0	80	235.2	235.2	11.5	4324	6.7	4.1	48	61.3	61.3	44.8
12.157	0	11.5	-11	15.1	0	0	0	0	0	0	81	235.2	235.2	11.8	4172	6.8	4.5	47.6	61	61	44.4
12.221	0	11.7	-10.9	15.1	0	0	0	0	0	0	81	235.2	235.2	12.2	4001	6.7	3.8	47.6	59.9	59.9	44.4
12.287	0.3	12.2	-10.9	15	0	0	0	0	0	0	79	235.2	235.2	11.8	3859	6.7	3.4	46.3	59.6	59.6	43.2
12.35	16.8	11.9	-11	15	0	0	0	0	0	0	79	37.49	43.37	11.8	3732	6.4	14.6	45.5	58.8	58.8	42.4
12.412	32.5	11.7	-11.1	15	0	0	0	0	0	0	78	22.93	23.52	16	3641	6.4	15.8	48.3	60.6	60.6	45
12.475	43.3	23.1	-8.9	14.5	0	0	0	0	0	0	78	19.26	20.73	32.7	3691	14.1	33.8	15	27.5	27.5	14
12.543	53.2	49	-3.9	14.1	0	0	0	0	0	0	74	19.11	18.96	67.1	3895	23.8	28.5	12.3	23.7	23.7	11.5
12.621	52.2	66.9	-0.7	13.9	0	0	0	0	0	0	65	13.82	13.82	125.3	3904	54.4	18	57	71	71	18.9
12.684	44.9	71.4	-0.2	14.2	0	0	0	0	0	0	60	12.49	13.38	125.1	3813	77.4	17.2	57	69.3	69.3	16.5
12.759	59.9	74.5	0	14.6	0	0	0	0	0	0	60	12.94	14.11	128.3	3836	79.3	16.9	57	69.9	69.9	18.1
12.844	74	78.7	0.4	15	0	0	0	0	0	0	65	13.67	14.99	127.8	3855	80.8	16.5	57	69.9	69.9	18.6
12.912	88.8	82.7	1	15.5	0	0	0	0	0	0	71	14.11	14.7	128.1	3848	81.3	15.8	57	70.3	69.3	18.4
12.97	96.7	85.7	1.5	16	0	0	0	0	0	0	75	13.96	14.26	127.8	3866	81.1	16.5	57	70.1	70.1	18.1
13.032	99.6	87.8	1.9	16.4	0	0	0	0	0	0	78	14.11	14.26	127.4	3888	81.1	15.8	57	69.5	69.5	17.9
13.095	99.6	90.9	2.3	16.8	0	0	0	0	0	0	79	14.26	14.55	126.9	3906	81	15.4	57	70.1	70.1	17.8
13.164	99.6	94.7	2.8	17.3	0	0	0	0	0	0	75	14.55	15.14	126.9	3928	81	15.4	57	70	70	17.8
13.233	99.6	97.5	3.3	17.7	0	0	0	0	0	0	74	14.55	14.85	126.7	3955	81	15.4	47.9	61.6	61.6	17.7
13.286	99.6	100.3	3.7	18.2	0	0	0	0	0	0	72	14.55	14.55	126.7	3966	81	15.4	38.4	51.8	51.8	17.7
13.355	99.6	103.4	4.3	18.8	0	0	0	0	0	0	71	14.85	14.7	126.5	4003	81	15	26.7	39.9	39.9	17.7
13.431	99.6	107.2	4.9	19.4	0	0	0	0	0	0	71	14.55	14.7	126.3	4033	81	13.9	24.2	37.1	37.1	17.6
13.484	99.6	110.9	5.5	20	0	0	0	0	0	0	72	14.55	14.55	126.2	4055	81	13.5	19.3	32.2	32.2	17.6
13.546	99.6	114.6	6.1	20.6	0	0	0	0	0	0	72	14.7	14.55	126.1	4082	81	12.8	18.7	30.5	30.5	18.5
13.623	99.6	119.6	6.8	21.4	0	0	0	0	0	0	74	14.26	14.7	126	4105	81	12.4	16.5	28.9	28.9	17.7
13.69	99.6	122.3	7.4	22.2	0	0	0	0	0	0	74	14.55	14.26	125.8	4148	81	12	17.9	30.6	30.6	18.8
13.758	99.6	122	7.4	23	0	0	0	0	0	0	76	14.26	14.26	125.6	4179	62.2	11.2	16.8	29.4	29.4	19.3
13.832	99.6	126.9	8.3	24.2	0	0	0	0	0	0	75	15.58	15.14	125.1	4211	36.5	10.5	12.8	25.2	25.2	18.8
13.894	98	125	8	25.6	0	0	0	0	0	0	76	13.82	13.67	124.1	4246	26.2	10.9	8.7	20.1	20.1	18.2
13.967	91.5	123.6	7.8	25.9	0	0	0	0	0	0	78	13.82	13.82	123.4	4260	26	11.2	13	24.4	24.4	18.1
14.029	85	121.9	7.5	26.2	0	0	0	0	0	0	73	14.55	14.41	122	4304	24.2	11.2	8.8	21.1	21.1	18.1
14.098	49.8	121.6	7.4	26.1	0	0	0	0	0	0	71	13.52	13.96	122.1	4326	24.3	11.2	13.6	25.8	25.8	18
14.156	25.6	121.4	7.4	26.2	0	0	0	0	0	0	72	13.82	13.82	112	4356	23.8	10.9	8	20.1	20.1	17.7
14.224	0	85.4	1.3	26.7	0	0	0	0	0	0	75	13.96	13.82	58.7	4345	10.6	15.4	11.7	23.9	23.9	10.9
14.297	0	44.3	-5.4	24.5	0	0	0	0	0	0	77	13.23	13.52	37.6	4286	8.9	25.5	12	25.1	25.1	11.2
14.375	0	26.5	-8.4	22.7	0	0	0	0	0	0	80	13.67	13.08	18.8	4362	4.8	32.2	28.4	39.2	39.2	26.5
14.438	0	14.6	-10.5	20.9	0	0	0	0	0	0	81	13.67	13.23	13.2	4301	5.4	25.1	48.4	60.8	60.8	45.1
14.516	0	11.9	-11.1	19.6	0	0	0	0	0	0	79	15.14	16.17	11.9	4233	5.5	6.4	48.2	60.1	60.1	44.9
14.579	0	11.2	-11.2	18.6	0	0	0	0	0	0	78	21.02	20.14	11.7	4342	5.6	4.1	48.4	60.3	60.3	45.2
14.668	0	11.3	-11.2	17.8	0	0	0	0	0	0	79	19.4	19.84	11.6	4292	6	4.1	48	60.9	60.9	44.7
14.725	0	11.3	-11.1	17.2	0	0	0	0	0	0	81	44.1	41.16	11.6	4270	6.3	4.5	47.9	59.8	59.8	44.6
14.795	0	11.2	-11.1	16.7	0	0	0	0	0	0	81	235.2	235.2	11.6	4280	6.6	4.1	47.9	62.2	62.2	44.7
14.863	0	11.4	-11.1	16.4	0	0	0	0	0	0	81	235.2	235.2	11.7	4228	6.6	4.1	47.8	61.2	61.2	44.6
14.941	0	11.5	-11	16.1	0	0	0	0	0	0	81	235.2	235.2	11.7	4226	6.7	4.1	47.8	61	61	44.5
15.003	0	11.5	-11	15.9	0	0	0	0	0	0	79	235.2	235.2	11.7	4198	6.8	4.1	47.7	61.5	61.5	44.5
15.075	0	11.6	-11	15.7	0	0	0	0	0	0	80	235.2	235.2	11.8	4170	6.7	4.1	47.7	60.5	60.5	44.4