Time	RPM (RPM	Charge Air	Accel Ped	TPS Act. (%	Load Req.	Actual Loa	Req. Boos	Boost Mea	WGDC Aft	WGDC Bas	WGDC Bas	Cyl 1 Timi	Cyl 2 Timi	Cyl 3 Timi	Cyl 4 Timi	Cyl 5 Timi	Cyl 6 Timi	Timing Cy	Lambda (I	Boost (PSI)
0	2537	107.6	0	3.78	11.4	11.3	14.78	15.11	35.73	34.85	50.87	0	0	0	0	0	0	-0.75	235.2	0.33
0.08	2521	107.6	3.32	3.78	11.61	11.25	14.78	15.11	35.86	34.98	50.01	0	0	0	0	0	0	3	235.2	0.33
0.14	2516	107.6	6.49	3.88	11.61	11.43	14.78	15.11	35.84	34.96	49.99	0	0	0	0	0	0	3	235.2	0.33
0.2	2516	107.6	10.69	3.88	11.61	11.66	14.78	15.15	35.84	34.96	50.99	0	0	0	0	0	0	4.12	235.2	0.37
0.28	2505	107.6	10.4	3.88	11.62	11.52	14.78	15.11	35.81	34.93	50.95	0	0	0	0	0	0	9	99.37	0.33
0.36	2490	107.6	10.96	3.88	11.86	11.65	14.78	15.11	35.99	35.11	50.14	0	0	0	0	0	0	14.62	78.79	0.33
0.42	2479	107.6	10.23	4.39	13.37	11.97	14.78	15.11	37.45	36.53	51.6	0	0	0	0	0	0	15.75	44.1	0.33
0.5	2479	107.6	10.23	4.9	14.34	12.94	14.78	15.07	38.41	37.47	52.56	0	0	0	0	0	0	15.75	31.9	0.29
0.56	2494	107.6	10.23	5	14.83	13.99	14.78	15.07	38.98	38.03	53.14	0	0	0	0	0	0	18	27.05	0.29
0.64	2482	107.6	9.94	5.21	15.76	14.62	14.78	15.03	39.83	38.86	53.99	0	0	0	0	0	0	19.5	23.37	0.25
0.72	2466	107.6	10.52	5.51	16.69	15.51	14.78	15.03	40.65	39.65	54.8	0	0	0	0	0	0	22.5	21.61	0.25
0.8	2476	107.6	10.52	5.62	17.03	15.61	14.78	15.03	41.06	40.05	55.21	0	0	0	0	0	0	22.88	19.84	0.25
0.86	2457	107.6	13.11	5.72	17.61	16.17	14.78	14.99	41.5	40.48	55.65	0	0	0	0	0	0	24	19.26	0.21
0.94	2453	107.6	15.11	5.82	18.4	16.99	14.78	14.99	42.25	41.22	56.41	0	0	0	0	0	0	26.25	19.11	0.21
1.02	2466	107.6	18.29	6.23	19.57	18.11	14.78	14.99	43.51	42.44	57.67	0	0	0	0	0	0	28.88	18.67	0.21
1.08	2468	107.6	19.26	7.86	24.55	20.27	14.78	14.91	35.33	34.47	50.49	0	0	0	0	0	0	31.88	18.38	0.13
1.16	2487	107.6	21.39	9.6	29.96	25.21	14.78	14.88	34.81	33.96	49.97	0	0	0	0	0	0	33.75	18.08	0.1
1.24	2491	107.6	25.27	12.15	38.65	31.59	14.78	14.84	33.55	32.73	48.71	0	0	0	0	0	0	34.5	17.79	0.06
1.32	2468	107.6	26.05	16.75	49.34	42.37	14.78	14.8	31.7	30.92	47.16	0	0	0	0	0	0	27	16.61	0.02
1.4	2520	107.6	31.08	25.53	65.59	54.96	14.78	14.76	29.7	28.97	45.14	0	0	0	0	0	0	19.5	14.99	-0.02
1.48	2491	107.6	32.1	63.42	112.4	74.16	17.99	14.99	57	27.17	71.57	0	0	0	0	0	0	13.5	13.82	0.21
1.54	2538	107.6	34.72	75.16	122.2	85.53	19.44	15.31	57	25.86	71.29	0	0	0	0	0	0	12.75	12.79	0.53
1.6	2528	107.6	37.89	78.73	140	88.61	22.5	15.7	57	25.04	71.29	0	0	0	0	0	0	12.75	12.49	0.92
1.68	2555	107.6	38.89	79.75	142.3	92.37	22.97	16.17	57	18.73	70.91	0	0	0	0	0	0	12.75	13.23	1.39
1.74	2579	107.6	42.92	81.08	154.4	96.34	24.33	16.68	57	23.2	71.7	0	0	0	0	0	0	13.5	14.26	1.9
1.82	2590	107.6	44.51	81.08	162	100.4	25.52	17.23	57	22.72	71.17	0	0	0	0	0	0	13.5	14.55	2.45
1.9	2637	107.6	48.54	81.08	169.8	105.4	26.5	17.86	57	22.11	71.7	0	0	0	0	0	0	13.5	14.7	3.08
1.96	2645	107.6	52.39	81.08	173.2	109.2	27.28	18.49	57	22.49	71.7	0	0	0	0	0	0	13.5	14.99	3.71
2.04	2681	107.6	55.62	80.98	173.1	114.7	27.15	19.12	57	19.11	72.07	0	0	0	0	0	0	12.75	15.29	4.33
2.1	2700	107.6	59.38	80.98	173.1	119.8	27.15	19.86	57	19.58	71.6	0	0	0	0	0	0	12.75	15.29	5.08
2.18	2719	107.6	67.16	80.98	173.1	124.5	27.15	20.65	57	19.41	71.7	0	0	0	0	0	0	12	15.43	5.87
2.26	2783	107.6	76.83	80.98	173	129.1	27.09	21.51	57	19.56	71.11	0	0	0	0	0	0	10.88	15.73	6.73
2.32	2807	107.6	82.67	80.98	173	134.4	27.1	22.41	57	19.6	71.64	0	0	0	0	0	0	9	15.88	7.63
2.4	2823	107.6	86.62	80.98	173	140.8	27.11	23.39	57	19.13	71.64	0	0	0	0	0	0	9.38	15.58	8.61
2.46	2874	107.6	94.7	80.98	173	147.2	27.07	24.49	57	19.04	71.71	0	0	0	0	0	0	6.75	15.73	9.71
2.54	2914	107.6	99.32	80.98	173	153.9	27.04	25.67	25.34	19.35	40.5	0	0	0	0	0	0	6	15.29	10.89
2.6	2933	107.6	99.61	80.98	173	160.6	27.12	26.77	18.53	19.47	32.71	0	0	0	0	0	0	4.88	15.14	11.99
2.66	2999	107.6	99.61	80.98	173	160.7	27.2	27.24	18.9	19.68	33.21	0	0	0	0	0	0	4.5	15.73	12.46
2.74	3001	107.6	99.61	80.98	173	160.8	27.33	27.2	21.39	19.86	35.54	0	0	0	0	0	0	3.75	16.02	12.42
2.82	3073	108.95	99.61	80.98	173	161	27.43	27.24	21.06	19.79	36.4	0	0	0	0	0	0	3.75	14.7	12.46
2.88	3107	108.95	99.61	80.98	173	166.1	27.54	27.52	20.7	20.12	35.04	0	0	0	0	0	0	3.38	14.41	12.74
2.94	3219	107.6	99.61	80.98	173	167.3	27.63	27.63	21.02	20.58	35.18	0	0	0	0	0	0	3.38	13.52	12.85
3.02	3161	107.6	99.61	80.98	173	167.6	27.81	27.71	21.98	21	36.34	0	0	0	0	0	0	3.38	13.23	12.93
3.1	3242	107.6	99.61	80.98	173	167.4	27.91	27.79	22.03	20.21	37.37	0	0	0	0	0	0	3	13.38	13.01
3.16	3304	107.6	99.61	80.98	172.5	168.4	27.95	27.95	20.9	20.57	36.28	0	0	0	0	0	0	3	13.08	13.17
3.24	3388	107.6	99.61	80.98	171.6	168	27.97	28.14	21.03	21.28	35.41	0	0	0	0	0	0	3	13.08	13.36
3.3	3395	107.6	99.61	80.98	171.6	167.5	28.04	28.03	21.22	20.66	36.58	0	0	0	0	0	0	3.38	13.08	13.25
3.38	3391	107.6	99.61	80.98	171.5	167.2	28.08	27.99	21.34	20.11	35.69	0	0	0	0	0	0	3.38	13.08	13.21
3.44	3461	107.6	99.61	80.98	170.8	166.8	28.15	27.83	22.91	20.24	37.28	0	0	0	0	0	0	3.38	12.94	13.05
3.52	3470	108.95	99.61	80.98	170.8	165.8	28.2	27.87	22.78	20.73	38.16	0	0	0	0	0	0	3.38	12.94	13.09
3.58	3539	108.95	99.61	80.98	170.1	166.3	28.25	28.03	22.36	20.85	37.73	0	0	0	0	0	0	3.38	12.94	13.25
3.66	3615	108.95	99.61	80.98	169.5	164.4	28.38	28.42	22.33	22.01	36.7	0	0	0	0	0	0	3.38	12.79	13.64
3.72	3635	108.95	99.61	80.98	169	163.6	28.49	28.5	22.14	21.58	37.51	0	0	0	0	0	0	3.38	12.94	13.72
3.78	3673	108.95	99.61	80.98	168.8	162.7	28.55	28.66	21.68	21.29	36.04	0	0	0	0	0	0	3.38	13.08	13.87
3.86	3711	108.95	99.61	80.98	168.5	166.4	28.68	28.69	22	21.53	37.16	0	0	0	0	0	0	3.38	12.94	13.91
3.92	3738	108.95	99.61	80.98	168.5	164.9	28.79	28.66	23.64	21.82	38.02	0	0	0	0	0	0	3.38	12.64	13.87
4	3780	108.95	99.61	80.98	168.5	163.5	29.02	28.62	26.58	23.21	41.99	0	0	0	0	0	0	3.38	12.79	13.83
4.08	3831	108.95	99.61	80.98	168.5	162.3	29.16	29.2	23.27	23.09	38.66	0	0	0	0	0	0	3.38	12.64	14.42
4.14	3894	108.95	99.61	80.98	168.5	165.6	29.36	29.56	23.47	23.35	37.85	0	0	0	0	0	0	3.38	12.79	14.78
4.22	3915	108.95	99.61	80.98	168.3	165.2	29.41	29.6	22.59	22.25	37.97	0	0	0	0	0	0	3.38	12.79	14.82
4.28	3974	108.95	99.61	80.98	167.3	165	29.28	29.32	22.86	22.29	37.24	0	0	0	0	0	0	3.38	12.64	14.54
4.36	3993	108.95	99.61	80.98	167	163.9	29.21	29.2	23.1	22.19	38.49	0	0	0	0	0	0	3.38	12.64	14.42
4.42	4042	110.3	99.61	80.98	166.1	161.6	29.28	29.13	22.98	22.08	38.37	0	0	0	0	0	0	3.38	12.49	14.34
4.5	4091	110.3	99.61	80.98	165.5	162.6	29	29.01	23.25	22.26	38.64	0	0	0	0	0	0	3.38	12.49	14.23
4.56	4140	110.3	99.61	80.98	164.5	161.9	28.99	29.09	22.69	22.52	37.98	0	0	0	0	0	0	2.25	12.35	14.31
4.64	4179	110.3	99.61	80.98	163.9	161.8	29.03	29.4	22.29	22.43	36.37	0	0	0	0	0	0	2.25	12.64	14.62
4.7	4200	110.3	99.61	78.94	163.5	161.7	28.99	29.44	22.35	22.34	36.65	0	0	0	0	0	0	2.25	12.35	14.66
4.78	4265	110.3	99.61	80.37	163.5	160.8	29.08	29.13	25.52	23.1	39.82	0	0	0	0	0	0	3	12.49	14.34
4.84	4286	110.3	99.61	80.98	163.5	158.1	29.15	28.58	28.44	22.73	43.51	0	0	0	0	0	0	3	12.64	13.79
4.92	4328	110.3	99.61	80.98	163.5	157.4	29.19	28.85	24.9	22.57	39.98	0	0	0	0	0	0	3	12.49	14.07
4.98	4375	110.3	99.61	80.98	163.1	158	29.15	29.13	23.15	23.01	38.47	0	0	0	0	0	0	3	12.49	14.34
5.06	4431	111.65	99.61	80.98	162.8	157.7	29.18	29.13	24.92	23.41	39.02	0	0	0	0	0	0	3	12.49	14.34
5.12	4455	111.65	99.61	80.98	162.7	156.8	29.27	28.77	28.92	23.49	42.86	0	0	0	0	0	0	1.5	12.49	13.99
5.2	4474	111.65	99.61	80.98	162.7	156.5	29.23	28.73	26.02	22.96	40.99	0	0	0	0	0	0	1.5	12.35	13.95
5.26	4513	111.65	99.61	80.98	162.4	157.2	29.18	28.93	24.58	23.27	39.8	0	0	0	0	0	0	1.5	12.35	14.15
5.34	4577	111.65	99.61	80.98	162.1	155.7	29.36	29.16	26.25	24.4	40.22	0	0	0	0	0	0	1.5	12.35	14.38
5.4	4622	113	99.61	80.98	161.9	155.6	29.32	29.01	27.53	24.44	41.74	0	0	0	0	0	0	1.5	12.49	14.23
5.48	4643	113	99.61	80.98	161.9	155.5	29.24	29.05	26.32	23.73	41.53	0	0	0	0	0	0	1.5	12.35	14.27
5.54	4650	113	99.61	80.98	161.8	155.8	29.39	29.01	26.24	23.52	40.32	0	0	0	0	0	0	0	12.35	14.23
5.62	4695	113	99.61	80.98	161.5	155.4	29.33	29.05	26.29	23.98	40.37	0	0	0	0	0	0	0	12.35	14.27
5.68	4733	113	99.61	80.98	161.3	155.6	29.3	28.97	27.04	24.4	40.88	0	0	0	0	0	0	0	12.35	14.19
5.76	4786	114.35	99.61	80.98	161.2	155.3	29.16	28.97	27.69	24.4	41.52	0	0	0	0	0	0	0	12.35	14.19
5.82	4800	114.35	99.61	80.98	161	154.9	29.33	28.85	27.98	24.68	41.55	0	0	0	0	0	0	0	12.2	14.07
5.9	4843	114.35	99.61	80.98	160.8	155.2	29.25	28.89	27.31	24.58	41.14	0	0	0	0	0	0	0	12.2	14.11
5.96	4885	114.35	99.61	80.98	160.6	155.2	29.21	28.97	27.6	24.93	41.23	0	0	0	0	0	0	0	12.35	14.19
6.02	4891	115.7	99.61	80.98	160.6	155.7	29.13	29.09	26.61	24.69	41.45	0	0	0	0	0	0	0	12.35	14.3
6.1	4942	115.7	99.61	80.98	160.3	155.5	29.12	29.09	26.59	24.89	41.43	0	0	0	0	0	0	0	12.2	14.3
6.18	4968	115.7	99.61	80.98	160.2	155.4	29.06	29.05	26.75	24.97	41.59	0	0	0	0	0	0	0	12.2	14.26
6.24	4997	115.7	99.61	80.98	160	155.7	29.04	28.81	27.52	25.3	41.35	0	0	0	0	0	0	0	12.2	14.03
6.32	5037	117.05	99.61	80.98	160	156	29.01	28.81	28.1	25.64	41.9	0	0	0	0	0	0	0.38	12.2	14.03
6.38	5081	117.05	99.61	80.98	160	155.9	28.98	28.69	28.15	25.79	42.95	0	0	0	0	0	0	0.38	12.05	13.91
6.46	5094	117.05	99.61	80.98	160	155.8	29	28.81	28.49	26.09	43.29	0	0	0	0	0	0	0.38	12.05	14.03
6.52	5122	117.05	99.61	80.98	160	155.7	29.02	29.01	27.4	25.65	42.21	0	0	0	0	0	0	0.38	12.2	14.22
6.58	5159	117.05	99.61	80.98	160	155.8	28.99	29.01	28.14	26.1	41.94	0	0	0	0	0	0	0.38	12.2	14.22
6.66	5199	118.4	99.61	80.98	160	156.1	28.93	28.66	29.85	26.25	43.62	0	0	0	0	0	0	0.38	12.2	13.87
6.74	5206	118.4	99.61	80.98	159.9	155.2	28.94	28.5	29.4	26.14	44.18	0	0	0	0	0	0	0.38	12.05	13.71
6.8	5252	119.75	99.61	80.98	159.9	155.5	28.93	28.62	29.04	26.19	43.83	0	0	0	0	0	0	0.38	12.2	13.83
6.88	5307	119.75	99.61	80.98	159.9	155.4	28.9	29.01	27.96	26.61	41.76	0	0	0	0	0	0	0.38	12.2	14.22
6.94	5325	119.75	99.61	80.98	159.9	155.2	28.84	29.05	27.84	26.53	42.64	0	0	0	0	0	0	0.38	12.2	14.26
7.02	5331	121.1	99.61	80.98	159.8	155.5	28.93	29.09	27.8	26.5	42.6	0	0	0	0	0	0	0.38	12.2	14.3
7.08	5360	121.1	99.61	80.98	159.8	155.9	28.85	28.73	31.12	26.43	44.87	0	0	0	0	0	0	0.38	12.2	13.95
7.14	5404	121.1	99.61	80.98	159.8	154.1	28.92	28.62	30.45	26.96	44.21	0	0	0	0	0	0	0.75	12.2	13.83
7.22	5430	121.1	99.61	80.98	159.8	153.9	28.91	28.62	29.27	26.67	44.04	0	0	0	0	0	0	0.75	12.2	13.83
7.3	5461	121.1	99.61	80.98	159.8	154.2	28.87	28.62	29.04	26.82	43.81	0	0	0	0	0	0	0.75	12.2	13.83
7.36	5500	122.45	99.61	80.98	159.7	156.7	28.8	28.93	29.22	26.68	43.01	0	0	0	0	0	0	0.38	12.2	14.14
7.44	5519	122.45	99.61	80.98	159.6	156.8	28.85	28.89	28.85	26.98	43.62	0	0	0	0	0	0	0.75	12.05	14.11
7.5	5547	123.8	99.61	80.98	159.6	156.4	28.8	28.58	30.79	26.84	44.54	0	0	0	0	0	0	0.75	12.2	13.79
7.58	5577	123.8	99.61	80.98	159.5	155.6	28.85	28.38	29.97	26.7	44.73	0	0	0	0	0	0	0.75	12.2	13.59
7.64	5598	123.8	99.61	80.98	159.3	155.5	28.78	28.38	30.17	26.71	43.88	0	0	0	0	0	0	0.38	12.2	13.59
7.72	5627	125.15	99.61	80.98	159.2	155	28.81	28.73	29.36	26.86	43.08	0	0	0	0	0	0	0.75	12.2	13.95
7.78	5656	125.15	99.61	80.98	159.1	155	28.76	28.58	30.03	26.87	43.75	0	0	0	0	0	0	0.38	12.35	13.79
7.86	5681	125.15	99.61	80.98	159	155.2	28.72	28.46	29.93	26.87	44.65	0	0	0	0	0	0	0.38	12.2	13.67
7.92	5722	125.15	99.61	80.98	158.8	155	28.72	28.66	29.6	26.73	43.37	0	0	0	0	0	0	0.75	12.2	13.87
7.98	5741	125.15	99.61	80.98	158.8	155.1	28.7	28.42	30.36	26.88	45.08	0	0	0	0	0	0	0.38	12.2	13.63
8.06	5771	126.5	99.61	80.98	158.7	154.8	28.68	28.34	30.18	26.74	43.92	0	0	0	0	0	0	1.5	12.2	13.55
8.14	5806	126.5	99.61	80.98	158.5	154.9	28.66	28.58	29.84	26.89	44.67	0	0	0	0	0	0	1.5	12.2	13.79
8.2	5837	127.85	99.61	80.98	158.4	154.4	28.69	28.38	30.34	27.04	43.67	0	0	0	0	0	0	1.5	12.2	13.59
8.28	5866	127.85	99.61	80.98	158.4	154.2	28.62	28.5	31.01	26.59	45.72	0	0	0	0	0	0	1.5	12.2	13.71
8.34	5881	127.85	99.61	80.98	158.3	153.6	28.69	28.22	30.98	26.75	44.62	0	0	0	0	0	0	0.75	12.2	13.44
8.42	5885	127.85	99.61	80.98	158.2	153.8	28.64	28.3	29.78	26.6	43.44	0	0	0	0	0	0	0.75	12.2	13.52
8.48	5944	127.85	99.61	80.98	158.1	153.6	28.56	28.14	30	26.74	44.93	0	0	0	0	0	0	0.75	12.35	13.36
8.54	5970	129.2	99.61	80.98	157.9	153.8	28.55	28.11	31.05	27.04	45.69	0	0	0	0	0	0	0.75	12.05	13.32
8.62	5972	129.2	99.61	80.98	157.9	153.6	28.53	28.3	30.51	26.59	45.11	0	0	0	0	0	0	0.38	12.2	13.52
8.68	6005	129.2	99.61	80.98	157.8	152.8	28.59	28.03	30.85	26.59	44.71	0	0	0	0	0	0	0.75	12.2	13.24
8.76	6029	130.55	99.61	80.98	157.5	153.1	28.42	28.14	30.91	26.73	44.77	0	0	0	0	0	0	0.75	12.05	13.36
8.84	6069	130.55	99.61	80.98	157.3	150.5	28.53	27.83	32.24	26.88	46.06	0	0	0	0	0	0	0.75	12.2	13.05
8.9	6134	131.9	99.61	80.98	157	150.6	28.31	27.75	31.79	27.13	45.67	0	0	0	0	0	0	1.5	12.2	12.97
8.98	6110	131.9	99.61	80.98	157	150.1	28.4	27.75	31.73	26.72	46.62	0	0	0	0	0	0	1.5	12.2	12.97
9.04	6141	131.9	99.61	80.98	156.9	149.9	28.46	27.79	31.62	26.37	45.5	0	0	0	0	0	0	1.5	12.35	13.01
9.1	6167	133.25	99.61	80.98	156.8	149.8	28.41	28.07	30.96	26.72	44.83	0	0	0	0	0	0	1.88	12.2	13.28
9.18	6184	133.25	99.61	80.98	156.6	149.5	28.43	27.79	31.67	26.72	45.53	0	0	0	0	0	0	1.88	12.35	13.01
9.26	6217	133.25	99.61	80.98	156.4	150.1	28.28	27.79	31.22	26.56	46.14	0	0	0	0	0	0	1.5	12.2	13.01
9.32	6256	134.6	99.61	80.98	156.3	149.1	28.34	27.91	33.02	26.71	47.16	0	0	0	0	0	0	1.88	12.2	13.13
9.38	6262	134.6	99.61	80.98	156.1	149.2	28.38	27.67	32.08	26.71	46.95	0	0	0	0	0	0	1.88	12.2	12.89
9.46	6287	134.6	99.61	80.98	155.9	150	28.23	27.95	31.67	26.71	46.59	0	0	0	0	0	0	1.88	12.2	13.16
9.54	6334	135.95	99.61	80.98	155.8	149.1	28.27	27.87	32.35	26.71	46.19	0	0	0	0	0	0	2.25	12.2	13.09
9.6	6337	135.95	99.61	80.98	155.6	149.1	28.36	27.63	32.07	26.56	45.92	0	0	0	0	0	0	2.25	12.2	12.85
9.68	6375	135.95	99.61	80.98	155.5	149.8	28.18	27.79	31.78	26.71	46.64	0	0	0	0	0	0	2.25	12.35	13.01
9.74	6400	137.3	99.61	80.98	155.4	148.6	28.24	27.99	32.3	26.86	46.14	0	0	0	0