

Time (msec)	AFR	Boost (bar)	Boost Target (bar)	Closed loop	Coolant (degC)	FKC (deg)	FLKC (deg)	Fuel correct (%)	Fuel learn (%)	Fuel pump DC (%)	IAM	Injector DC (%)	Injector PW (ms)	Intake (degC)	Load (g/rev)	MAF (g/s)	MAF (V)	Misfire cyl 1	Misfire cyl 2	Misfire cyl 3	Misfire cyl 4	O2 rear (V)	RPM	Speed (mph)	Throttle pedal (%)	Timing (deg)	Turbo WGDC (%)
4	14.2	-0.37	0.92	1	85	0	0	1	-1.32	33.3	1	12.8	4.4	26	0.68	39.46	2.56	0	0	0	0	0.5	3492	46.3	20.4	43	0
95	14.5	-0.31	0.92	1	85	0	0	0.7	-1.37	33.3	1	12.8	4.4	26	0.76	44.13	2.64	0	0	0	0	0.8	3496	46.3	24.7	43	0
192	14.5	-0.16	0.93	1	85	0	0	0.9	-1.46	33.3	1	16	5.4	26	0.9	53.43	2.8	0	0	0	0	0.8	3548	46.3	34.1	41.5	0
288	14	0.06	0.94	1	85	0	0	-2.6	-1.61	66.7	1	20.5	6.9	26	1.32	78.24	3.12	0	0	0	0	0.9	3565	46.3	37.6	37.5	1.6
385	14.9	0.14	1.07	1	85	0	0	2.1	-1.71	66.7	1	27.3	9.2	26	1.41	83.78	3.2	0	0	0	0	0.1	3561	46.3	38	34.5	3.9
480	14.5	0.21	1.08	1	85	0	0	3.9	-1.86	66.7	1	30.4	10	26	1.5	91.51	3.3	0	0	0	0	0.9	3651	46.3	38.8	32.5	3.9
577	13.6	0.3	1.09	1	85	0	0	4.2	-1.9	100	1	32.9	10.8	26	1.65	100.4	3.38	0	0	0	0	1	3657	46.3	39.2	29.5	3.9
675	12.7	0.38	1.09	1	85	0	0	3.6	-2.05	100	1	35.5	11.5	26	1.8	111.17	3.5	0	0	0	0	1	3707	46.9	39.2	27.5	3.9
768	12.1	0.43	1.09	1	85	0	0	1.4	-4	100	1	36.9	11.8	26	1.84	115.11	3.56	0	0	0	0	1	3749	46.9	39.2	26.5	3.5
864	11.4	0.47	1.08	1	85	0	0	-0.4	-4	100	1	38	12	26	1.9	120.63	3.58	0	0	0	0	1	3800	46.9	43.9	26	3.5
961	11.1	0.5	1.08	0	85	0	0	0	-4	100	1	40	12.5	26	1.92	123.05	3.6	0	0	0	0	1	3837	46.9	47.1	25.5	5.9
1056	11.1	0.51	1.09	0	85	0	0	0	-4	100	1	41.5	12.8	26	1.96	126.97	3.62	0	0	0	0	1	3887	48.2	47.5	25	6.7
1153	11.1	0.52	1.11	0	85	0	0	0	-4	100	1	41.9	12.8	26	1.99	130.35	3.66	0	0	0	0	1	3928	48.2	47.5	25	6.7
1249	11.1	0.52	1.11	0	85	0	0	0	-4	100	1	43.2	13.1	26	2.01	132.32	3.68	0	0	0	0	1	3957	48.2	47.5	25	6.3
1347	11.1	0.51	1.1	0	85	0	0	0	-4	100	1	44	13.1	26	1.99	133.73	3.68	0	0	0	0	1	4034	48.2	47.1	25	5.9
1439	11.1	0.5	1.1	0	85	0	0	0	-4	100	1	43.3	12.8	26	1.99	134.6	3.7	0	0	0	0	1	4062	48.2	46.7	25.5	5.1
1536	11.1	0.49	1.1	0	85	0	0	0	-4	100	1	43.9	12.8	26	1.96	134.57	3.7	0	0	0	0	1	4117	50.8	51	25.5	4.7
1632	11.1	0.57	1.09	0	85	0	0	0	-4	100	1	45.5	13.1	26	2.03	140.9	3.74	0	0	0	0	1	4167	50.8	93.3	25.5	9.8
1728	11.1	0.61	1.15	0	85	0	0	0	-4	100	1	48.3	13.8	26	2.13	149	3.84	0	0	0	0	1	4197	50.8	100	24.5	68.6
1823	11.1	0.78	1.32	0	85	0	0	0	-4	100	1	54.8	15.4	26	2.41	171.42	3.98	0	0	0	0	1	4268	50.8	100	21.5	69.4
1919	11.1	0.96	1.31	0	85	0	0	0	-4	100	1	64.9	17.9	26	2.77	200.78	4.16	0	0	0	0	1	4348	50.8	100	18.5	69.4
2017	11.1	1.13	1.31	0	85	0	0	0	-4	100	1	72.3	19.7	26	2.9	213.09	4.26	0	0	0	0	1	4407	54	100	18	69.4
2114	11.1	1.22	1.31	0	85	0	0	0	-4	100	1	77.9	21	26	3.11	230.61	4.32	0	0	0	0	1	4450	54	100	19	69
2206	11.1	1.27	1.31	0	85	0	0	0	-4	100	1	79.2	21	26	3.05	230.18	4.36	0	0	0	0	1	4528	54	100	20	68.6
2305	11.1	1.29	1.3	0	85	0	0	0	-4	100	1	80.7	21	26	3.09	237.38	4.38	0	0	0	0	1	4609	54	100	21	68.2
2399	11.1	1.28	1.3	0	85	0	0	0	-4	100	1	80.8	20.7	26	2.99	233.57	4.38	0	0	0	0	1	4684	54	100	22	68.6
2497	11.1	1.28	1.29	0	85	0	0	0	-4	100	1	78.7	20	26	3.03	238.65	4.38	0	0	0	0	1	4720	57.8	99.6	23	68.6
2595	11.1	1.26	1.29	0	85	0	0	0	-4	100	1	79.8	20	26	3.02	241.19	4.4	0	0	0	0	1	4788	57.8	93.7	24	69
2687	11.1	1.25	1.28	0	85	0	0	0	-4	100	1	80.3	19.7	26	2.95	240.77	4.38	0	0	0	0	1	4889	57.8	94.1	24	64.3
2783	11.1	1.23	1.28	0	85	0	0	0	-4	100	1	81.1	19.7	26	2.96	243.74	4.42	0	0	0	0	1	4941	57.8	94.1	24	64.3
2880	11.1	1.21	1.28	0	85	0	0	0	-4	100	1	79.2	18.9	26	2.89	242.04	4.4	0	0	0	0	1	5028	57.8	94.1	23	65.5
2977	11.1	1.11	1.28	0	85	0	-1.4	0	-4	100	1	82.5	19.5	26	2.91	246.32	4.42	0	0	0	0	1	5076	61.7	44.7	23	60.8
3072	11.1	0.59	1.27	0	85	0	-1.4	0	-4	100	1	60.5	14.3	26	2.27	192.3	4.08	0	0	0	0	1	5077	61.7	23.9	25.5	0
3167	11.1	-0.22	1.08	0	85	0	-1.4	0	-4	100	1	3.4	0.8	26	0.9	76.67	3.08	0	0	0	0	1	5088	61.7	18.8	37.5	0
3265	11.1	-0.49	0.93	0	85	0	0	0	-4	33.3	1	3.4	0.8	26	0.5	42.3	2.62	0	0	0	0	0.9	5078	61.7	14.1	44	0
3363	11.4	-0.7	0.91	0	85	0	0	0	-3.91	33.3	1	3.4	0.8	26	0.32	26.6	2.26	0	0	0	0	0.9	5037	61.7	9	45	0
3455	12.1	-0.78	0.89	0	85	0	0	0	-3.86	33.3	1	3.4	0.8	26	0.16	13.27	1.86	0	0	0	0	0.8	5047	65.5	4.3	45	0
3551	12.9	-0.78	0.73	0	85	0	0	0	-3.66	33.3	1	3.4	0.8	26	0.16	13.59	1.88	0	0	0	0	0.9	5038	65.5	0	45	0
3648	13.7	-0.78	0.71	0	85	0	0	0	-3.61	33.3	1	3.4	0.8	26	0.17	14.28	1.92	0	0	0	0	0.9	5032	65.5	0	24	0
3744	14.6	-0.78	0.74	0	85	0	0	0	-3.47	33.3	1	3.4	0.8	26	0.17	14.63	1.92	0	0	0	0	0.9	5044	65.5	0	24	0
3839	16.4	-0.79	0.74	0	85	0	0	0	-3.42	33.3	1	3.3	0.8	26	0.16	13.54	1.88	0	0	0	0	0.3	4984	65.5	0	24	0
3936	18.5	-0.79	0.74	0	85	0	0	0	-3.27	33.3	1	3.3	0.8	26	0.17	14.22	1.92	0	0	0	0	0.1	4999	67.5	0	24	0
4032	20.3	-0.79	0.74	0	85	0	0	0	-1.32	33.3	1	3.3	0.8	26	0.16	13.59	1.9	0	0	0	0	0	4966	67.5	0	24	0
4128	20.3	-0.79	0.74	0	85	0	0	0	-1.32	33.3	1	3.3	0.8	26	0.17	13.99	1.9	0	0	0	0	0	4932	67.5	0	24	0
4223	20.3	-0.79	0.74	0	85	0	0	0	-1.32	33.3	1	3.3	0.8	26	0.17	14.17	1.92	0	0	0	0	0	4892	67.5	0	24	0
4320	20.3	-0.79	0.73	0	85	0	0	0	-1.32	33.3	1	3.2	0.8	26	0.18	14.28	1.92	0	0	0	0	0	4848	67.5	0	24	0
4417	20.3	-0.79	0.73	0	85	0	0	0	-1.32	33.3	1	3.2	0.8	26	0.17	14.11	1.9	0	0	0	0	0	4848	67.5	0	24	0
4510	20.3	-0.79	0.73	0	86	0	0	0	-1.32	33.3	1	3.2	0.8	26	0.17	13.59	1.9	0	0	0	0	0	4814	67.5	0	24	0
4606	20.3	-0.79	0.74	0	86	0	0	0	-1.32	33.3	1	3.2	0.8	26	0.18	14	1.9	0	0	0	0	0	4753	67.5	0	24	0
4705	20.3	-0.79	0.73	0	86	0	0	0	-1.32	33.3	1	3.2	0.8	26	0.18	13.88	1.9	0	0	0	0	0	4743	67.5	0	24	0
4799	20.3	-0.78	0.73	0	86	0	0	0	-1.32	33.3	1	3.1	0.8	26	0.18	13.88	1.9	0	0	0	0	0	4672	67.5	0	24	0
4896	20.3	-0.79	0.74	0	86	0	0	0	-1.32	33.3	1	3.1	0.8	26	0.17	13.59	1.88	0	0	0	0	0	4672	65.5	0	24	0
4993	20.3	-0.78	0.74	0	86	0	0	0	-1.32	33.3	1	3.1	0.8	26	0.18	13.94	1.9	0	0	0	0	0	4601	65.5	0	24	0
5087	20.3	-0.78	0.73	0	86	0	0	0	-1.32	33.3	1	3.1	0.8	26	0.18	14	1.9	0	0	0	0	0	4591	65.5	0	24	0
5184	20.3	-0.78	0.73	0	86	0	0	0	-1.32	33.3	1	3	0.8	26	0.18	13.42	1.88	0	0	0	0	0	4548	65.5	0	24	0
5279	20.3	-0.78	0.74	0	86	0	0	0	-1.32	33.3	1	3	0.8	26	0.19	14	1.9	0	0	0	0	0	4487	65.5	0	24	0