

Date (YY/MM/DD): 21/03/08								
Time	Particulate	Time of reg	Particulate	Differential	Target air r	Air mass m	Cylinder 1 f	Cylinder 2 f
10:33:35	99.123	0	145.36	9	328.5	448	0.26	0.18
10:33:38	99.168	0	143.06	7	254.5	439	0.05	0
10:33:42	99.199	0	143.06	15	358	500	0.09	0.01
10:33:46	99.229	0	140.86	19	387.5	524	0.26	0.03
10:33:50	99.275	0	138.56	31	835.5	917.5	0.03	0.04
10:33:54	99.321	0	138.56	21	397	556.5	0.1	0.06
10:33:58	99.351	0	138.56	16	399	484	0.32	0.02
10:34:01	99.397	0	140.86	20	401.5	515.5	0.43	-0.11
10:34:05	99.397	0	140.86	18	405	499	0.39	-0.1
10:34:09	99.413	0	143.06	17	407	500.5	0.42	-0.03
10:34:13	99.428	0	143.06	13	389	464	0.38	-0.02
10:34:17	99.428	0	143.06	27	1189.5	907	0.04	0.03
10:34:21	99.443	0	143.06	22	415	564	0.11	0.04
10:34:25	99.458	0	145.36	19	414	525	0.45	0.04
10:34:29	99.474	0	145.36	15	415	463	0.46	0
10:34:33	99.489	0	147.66	11	388	490	0.44	-0.01
10:34:37	99.489	0	149.96	11	499	546	0.37	-0.11
10:34:41	99.504	0	149.96	27	435.5	507	0.19	-0.01
10:34:44	99.519	0	149.96	8	286	423.5	0.19	0.02
10:34:48	99.535	0	149.96	8	602.5	466	0.01	-0.06
10:34:52	99.55	0	149.96	41	573.5	644	0.12	-0.05
10:34:56	99.55	0	152.46	16	411.5	483.5	0.17	0.05
10:35:00	99.565	0	154.96	17	831.5	667	0.07	0.03
10:35:03	99.58	0	157.46	53	682.5	927.5	0.12	0.02
10:35:07	99.58	0	162.46	16	409	492.5	0.12	-0.01
10:35:11	99.596	0	164.96	16	406.5	514	0.11	-0.02
10:35:15	99.611	0	167.46	23	458.5	637.5	0.28	-0.03
10:35:19	99.626	0	172.46	15	395	504	0.25	-0.16
10:35:22	99.626	0	172.46	9	1010.5	561	0.07	-0.24
10:35:26	99.641	0	172.46	17	455.5	568	0.08	0
10:35:30	99.657	0	172.46	9	286.5	439	0.01	-0.01
10:35:34	99.657	0	172.46	6	325	456	-0.23	-0.14
10:35:38	99.672	0	172.46	7	254	437	-0.38	-0.23
10:35:42	99.687	0	169.96	5	549	435	-0.38	-0.33
10:35:45	99.702	0	172.46	45	1190.5	797.5	-0.44	-0.17
10:35:49	99.718	0	177.46	16	412	487.5	-0.39	-0.02
10:35:53	99.718	0	179.96	23	461	624	-0.33	-0.01
10:35:57	99.733	0	187.46	23	437.5	564	0.01	-0.17
10:36:01	99.748	0	194.96	16	405	509.5	0.15	0
10:36:05	99.763	0	199.96	18	1199.5	754.5	-0.14	0.16
10:36:08	99.779	0	205.16	17	403.5	492.5	-0.05	0.2
10:36:12	99.779	0	207.76	11	1199.5	587.5	-0.17	0.17
10:36:16	99.794	0	210.46	35	601	766.5	-0.59	0.2
10:36:20	99.809	0	213.06	29	564.5	694.5	-0.18	0.14
10:36:24	99.809	0	215.66	24	434.5	556	0.1	0.11

10:36:28	99.825	0	218.36	22	435.5	503	0.27	0.11
10:36:31	99.84	0	220.96	17	426.5	472.5	0.32	0
10:36:35	99.855	0	220.96	13	415.5	498.5	0.31	-0.02
10:36:39	99.87	0	220.96	22	437.5	605.5	0.39	0.08
10:36:43	99.87	0	215.66	13	527.5	531.5	0.39	0.05
10:36:47	99.886	0	210.46	24	439.5	534	0.37	0.01
10:36:50	99.901	0	205.16	21	438.5	571.5	0.41	-0.02
10:36:54	99.916	0	199.96	90	1199.5	785	0.36	-0.04
10:36:58	99.916	0	210.46	38	455	597.5	0.26	-0.13
10:37:02	99.931	0	223.56	26	507.5	640.5	0.2	-0.07
10:37:06	99.947	0	234.16	13	1199.5	330	0.27	-0.11
10:37:10	99.947	0	244.66	19	1199.5	480	0.44	-0.17
10:37:13	99.947	0	258.76	9	1199.5	341	0.57	-0.3
10:37:17	99.947	0	264.66	12	1199.5	467	0.63	-0.34
10:37:21	99.947	0	282.26	40	1199.5	356.5	0.55	-0.28
10:37:25	99.947	0	305.76	33	1199.5	453	0.58	-0.36
10:37:29	99.947	0	346.96	16	1199.5	408	0.57	-0.32
10:37:32	99.947	0	384.26	18	1199.5	298	0.57	-0.35
10:37:36	99.947	0	417.76	18	1199.5	307	0.57	-0.35
10:37:40	99.947	0	449.96	17	1199.5	318	0.63	-0.26
10:37:44	99.947	0	485.66	20	1199.5	319	0.63	-0.18
10:37:48	99.947	0	522.96	19	1199.5	315.5	0.77	-0.18
10:37:52	99.947	0	561.46	22	1199.5	340.5	0.86	-0.08
10:37:55	99.947	0.488	604.46	27	1199.5	354	0.75	0.02
10:37:59	99.947	1.309	654.46	30	1199.5	341	0.65	0.04
10:38:03	99.947	2.078	686.26	29	1199.5	335	0.57	0.11
10:38:07	99.947	2.867	713.56	31	1199.5	345	0.54	0.13
10:38:10	99.947	3.638	722.66	31	1199.5	345	0.53	0.18
10:38:14	99.947	4.466	718.06	44	1199.5	480	0.43	0.19
10:38:18	99.947	5.286	690.86	50	1199.5	470.5	0.36	0
10:38:22	99.947	6.076	658.96	37	1199.5	347	0.34	0.06
10:38:26	99.947	6.865	631.76	35	1199.5	369	0.36	0.13
10:38:30	99.947	7.655	618.06	33	1199.5	341.5	0.38	0.21
10:38:33	99.947	8.425	618.06	37	1199.5	418	0.39	0.16
10:38:37	99.947	9.215	622.66	21	1199.5	301.5	0.49	0.08
10:38:41	99.947	10.054	627.16	30	1199.5	407.5	0.55	0.02
10:38:45	99.947	10.823	640.86	26	1199.5	295	0.55	-0.03
10:38:49	99.947	11.614	649.96	12	1199.5	366	0.57	-0.16
10:38:53	99.947	12.403	649.96	16	1199.5	400	0.59	-0.41
10:38:56	99.947	13.213	654.46	59	1199.5	429.5	0.71	-0.45
10:39:00	99.947	14.032	658.96	48	1199.5	410	0.74	-0.26
10:39:04	99.947	14.821	663.56	47	1199.5	398	0.79	-0.26
10:39:08	99.947	15.612	658.96	48	1199.5	405.5	0.8	-0.26
10:39:12	99.947	16.4	654.46	48	1199.5	369	0.81	-0.27
10:39:16	99.947	17.211	640.86	96	1199.5	435	0.73	-0.29
10:39:19	99.947	17.98	622.66	64	1199.5	348.5	0.73	-0.34
10:39:23	99.947	18.779	604.46	23	1199.5	325.5	0.74	-0.3

10:39:27	99.947	19.568	588.36	55	1199.5	421	0.74	-0.3
10:39:31	99.947	20.339	569.16	56	1199.5	371.5	0.74	-0.3
10:39:35	99.947	20.339	565.26	65	1199.5	382.5	0.74	-0.3
10:39:39	99.947	20.339	569.16	58	1199.5	381	0.74	-0.3
10:39:43	99.947	20.978	576.86	29	1199.5	302	0.74	-0.27
10:39:46	99.947	21.798	576.86	36	1199.5	340	0.54	-0.17
10:39:50	99.947	22.588	576.86	29	1199.5	299.5	0.56	-0.22
10:39:54	99.947	23.397	572.96	36	1199.5	371.5	0.78	-0.21
10:39:58	99.947	24.227	572.96	34	1199.5	310.5	0.52	-0.2
10:40:02	99.947	24.916	569.16	25	1199.5	299	0.61	-0.15
10:40:06	99.947	24.916	569.16	31	1199.5	312	0.66	-0.1
10:40:10	99.947	24.916	565.26	24	1199.5	299	0.67	-0.15
10:40:14	99.947	24.916	565.26	34	1199.5	333	0.89	-0.08
10:40:17	99.947	24.916	569.16	23	1199.5	309.5	0.59	-0.08
10:40:21	99.947	24.916	565.26	12	1199.5	380	0.51	-0.25
10:40:25	99.947	24.916	565.26	12	1199.5	385	0.47	-0.47
10:40:29	99.947	24.916	561.46	16	1199.5	402	0.36	-0.63
10:40:33	99.947	24.916	561.46	19	1199.5	337	0.39	-0.48
10:40:37	99.947	24.916	561.46	10	1199.5	344	0.43	-0.56
10:40:40	99.947	24.916	561.46	22	1199.5	337.5	0.49	-0.48
10:40:44	99.947	24.916	565.26	11	1199.5	361.5	0.49	-0.57
10:40:48	99.947	24.916	569.16	22	1199.5	362	0.46	-0.67
10:40:52	99.947	25.126	572.96	13	1199.5	396	0.56	-0.87
10:40:56	99.947	25.975	580.66	16	1199.5	400.5	0.62	-1.15
10:41:01	99.947	26.835	584.56	13	1199.5	393.5	0.88	-1.27
10:41:05	99.947	27.724	592.26	15	1199.5	415.5	1.15	-1.33
10:41:09	99.947	28.605	604.46	26	1199.5	333.5	0.92	-0.65
10:41:13	99.947	29.474	622.66	12	1199.5	392	0.84	-0.63
10:41:17	99.947	30.373	640.86	17	1199.5	324.5	0.72	-0.49
10:41:22	99.947	31.254	654.46	16	1199.5	327	0.65	-0.39
10:41:26	99.947	32.122	677.16	52	1199.5	400.5	0.7	-0.3
10:41:30	99.947	33.022	718.06	45	1199.5	326	0.7	-0.3
10:41:34	99.947	33.912	731.76	27	1199.5	380.5	0.73	-0.39
10:41:39	99.947	34.791	736.26	16	1199.5	415.5	0.7	-0.71
10:41:43	99.947	35.7	736.26	16	1199.5	406	0.81	-1.05
10:41:47	99.947	36.58	731.76	16	1199.5	408	0.96	-1.25
10:41:51	99.947	37.45	718.06	18	1199.5	359.5	0.9	-0.98
10:41:56	99.947	38.329	704.46	15	1199.5	375.5	0.88	-0.88
10:42:00	99.947	39.249	690.86	16	1199.5	405	0.92	-1.04
10:42:04	99.947	40.098	672.66	16	1199.5	417.5	1	-1.16
10:42:08	99.947	40.928	658.96	16	1199.5	425.5	1.15	-1.19
10:42:12	99.947	41.787	645.36	21	1199.5	388.5	1.28	-1.1
10:42:16	99.947	42.657	631.76	26	1199.5	451	0.67	-0.6
10:42:21	99.947	43.537	636.26	23	1199.5	309.5	0.73	-0.46
10:42:25	99.947	44.385	640.86	23	1199.5	322	0.58	-0.23
10:42:29	99.947	45.216	645.36	11	1199.5	358	0.61	-0.32
10:42:33	99.947	46.114	654.46	16	1199.5	412	0.52	-0.56

10:42:37	99.947	47.034	658.96	16	1199.5	399	0.57	-0.91
10:42:42	99.947	47.924	663.56	23	1199.5	420	0.76	-0.85
10:42:46	99.947	48.803	681.76	38	1199.5	346.5	0.82	-0.81
10:42:50	99.947	49.693	686.26	36	1199.5	382	0.81	-0.53
10:42:54	99.947	50.533	690.86	39	1199.5	330.5	0.76	-0.4
10:42:59	99.947	51.443	686.26	26	1199.5	309.5	0.76	-0.4
10:43:03	99.947	52.322	677.16	24	1199.5	304.5	0.77	-0.28
10:43:07	99.947	53.191	668.06	33	1199.5	331.5	0.65	-0.16
10:43:11	99.947	54.09	654.46	33	1199.5	329	0.57	-0.09
10:43:16	99.947	54.99	640.86	35	1199.5	348	0.59	-0.11
10:43:20	99.947	55.86	631.76	44	1199.5	386	0.61	-0.07
10:43:24	99.947	56.799	636.26	44	1199.5	389	0.52	-0.06
10:43:29	99.947	57.688	631.76	27	1199.5	318.5	0.52	-0.06
10:43:33	99.947	58.508	618.06	16	1199.5	340.5	0.54	-0.15
10:43:37	99.947	59.377	588.36	73	1199.5	511.5	0.4	-0.02
10:43:41	99.947	59.818	546.06	36	1199.5	409.5	0.48	-0.13
10:43:45	99.947	59.818	538.36	20	1199.5	301	0.57	-0.23
10:43:50	99.947	59.818	538.36	13	1199.5	290	0.58	-0.22
10:43:54	99.947	59.818	534.56	16	1199.5	355.5	0.61	-0.3
10:43:58	99.947	59.818	538.36	35	1199.5	494.5	0.71	-0.28
10:44:02	99.947	59.818	553.76	33	1199.5	495	0.78	-0.39
10:44:06	99.947	59.818	569.16	15	1199.5	609	0.81	-0.49
10:44:11	99.947	60.458	596.06	45	1199.5	490	0.83	-0.49
10:44:15	99.947	61.357	627.16	35	1199.5	323.5	0.74	-0.3
10:44:19	99.947	62.237	658.96	64	1199.5	504.5	0.55	-0.21
10:44:23	99.947	63.127	681.76	54	1199.5	359	0.46	-0.24
10:44:28	99.947	64.025	686.26	30	1199.5	297	0.4	-0.25
10:44:32	99.947	64.895	681.76	29	1199.5	541	0.39	-0.15
10:44:36	99.947	65.774	677.16	32	1199.5	448	0.38	0
10:44:40	99.947	66.644	672.66	17	1199.5	344.5	0.51	-0.09
10:44:45	99.947	67.544	663.56	13	1199.5	415	0.62	-0.28
10:44:49	99.947	68.414	658.96	16	1199.5	412.5	0.44	-0.36
10:44:53	99.947	69.313	649.96	20	1199.5	328	0.43	-0.39
10:44:57	99.947	70.202	645.36	18	1199.5	328.5	0.53	-0.32
10:45:02	99.947	71.081	640.86	84	1199.5	367.5	0.51	-0.25
10:45:06	99.947	71.981	640.86	88	1199.5	443	0.45	-0.18
10:45:10	99.947	72.891	640.86	30	1199.5	313	0.46	-0.14
10:45:14	99.947	73.73	640.86	21	1199.5	298.5	0.46	-0.14
10:45:18	99.947	74.58	636.26	38	1199.5	437	0.43	-0.1
10:45:23	99.947	75.45	631.76	26	1199.5	437.5	0.41	-0.04
10:45:27	99.947	76.289	627.16	23	1199.5	422	0.43	0
10:45:31	99.947	77.139	627.16	79	1199.5	700.5	0.38	0.09
10:45:35	99.947	78.038	618.06	109	1199.5	822	0.27	0.02
10:45:39	99.947	78.907	599.96	34	1199.5	317	0.17	0
10:45:43	99.947	79.788	596.06	15	1199.5	340.5	0.24	-0.04
10:45:48	99.947	80.656	592.26	15	1199.5	415.5	0.17	-0.21
10:45:52	99.947	81.596	592.26	34	1199.5	471	0.25	-0.11

10:45:56	99.947	82.477	592.26	12	1199.5	370.5	0.3	-0.2
10:46:01	99.947	83.365	596.06	25	1199.5	343.5	0.27	-0.25
10:46:05	99.947	84.265	604.46	15	1199.5	353	0.32	-0.22
10:46:09	99.947	85.135	613.56	22	1199.5	330	0.22	-0.39
10:46:13	99.947	85.943	622.66	32	1199.5	416	0.35	-0.39
10:46:17	99.947	86.804	649.96	36	1199.5	352.5	0.62	-0.29
10:46:21	99.947	87.652	681.76	35	1199.5	339.5	0.79	-0.31
10:46:25	99.947	88.493	708.96	34	1199.5	347	0.87	-0.32
10:46:29	99.947	89.361	731.76	33	1199.5	339.5	0.86	-0.36
10:46:34	99.947	90.242	736.26	13	1199.5	400	0.62	-0.28
10:46:38	99.947	91.112	736.26	16	1199.5	409	0.32	-0.2
10:46:42	99.947	92.01	731.76	16	1199.5	416	0.05	-0.32
10:46:46	99.947	92.88	727.16	16	1199.5	430	-0.13	-0.55
10:46:51	99.947	93.78	713.56	16	1199.5	413.5	-0.24	-0.79
10:46:55	99.947	94.649	699.96	17	1199.5	414	-0.27	-1.04
10:46:59	99.947	95.529	686.26	16	1199.5	427	-0.22	-1.23
10:47:03	99.947	96.419	668.06	36	1199.5	637.5	-0.11	-1.36
10:47:07	99.947	97.298	649.96	13	1199.5	385	0.19	-1.24
10:47:12	99.947	98.187	636.26	16	1199.5	432.5	0.28	-1.24
10:47:16	99.947	99.068	627.16	16	1199.5	424	0.35	-1.21
10:47:20	99.947	99.936	618.06	49	1199.5	495	0.28	-0.62
10:47:24	19.44	0	618.06	17	239	343	0.17	-0.47
10:47:28	19.455	0	618.06	27	1008.5	654	0.02	-0.37
10:47:33	19.471	0	608.96	53	294.5	490.5	-0.06	-0.04
10:47:37	19.486	0	596.06	51	425.5	695.5	-0.19	0.37
10:47:41	19.486	0	546.06	58	294.5	535	0.08	0.11
10:47:45	19.501	0	503.76	36	287	563.5	0.44	0.03
10:47:49	19.516	0	464.16	38	339.5	588	0.62	0.02
10:47:54	19.532	0	421.36	35	319.5	512.5	0.43	0.13
10:47:58	19.547	0	387.46	29	318	491	0.29	0.19
10:48:02	19.562	0	371.76	8	242	323	-0.03	-0.1
10:48:06	19.577	0	362.46	8	239.5	352	-0.18	-0.36
10:48:11	19.577	0	353.06	9	238.5	337.5	-0.25	-0.64
10:48:15	19.593	0	346.96	8	235.5	343.5	-0.22	-0.85
10:48:19	19.608	0	338.16	8	235.5	339.5	-0.12	-0.98
10:48:23	19.623	0	329.36	8	235.5	341.5	-0.08	-1.05
10:48:27	19.638	0	317.56	8	242.5	329.5	-0.05	-1.08
10:48:32	19.638	0	294.06	109	674	872.5	-0.47	-0.48
10:48:36	19.669	0	273.46	32	304.5	528.5	-0.44	0.07
10:48:40	19.669	0	267.56	22	319.5	476.5	-0.43	0.07
10:48:44	19.684	0	264.66	25	339.5	475.5	-0.28	0.2
10:48:48	19.699	0	261.66	18	316	514	-0.23	0.18
10:48:53	19.715	0	255.76	83	782	977.5	-0.45	0.51
10:48:57	19.73	0	244.66	33	397.5	521	-0.42	0.54
10:49:01	19.73	0	242.06	10	268.5	433.5	-0.38	0.48
10:49:05	19.745	0	242.06	5	254.5	334	-0.29	0.12
10:49:09	19.76	0	242.06	5	252	327.5	-0.31	-0.11

10:49:13	19.776	0	239.36	5	249.5	321	-0.29	-0.35
10:49:17	19.776	0	239.36	5	244.5	346	-0.26	-0.59
10:49:22	19.791	0	239.36	5	240.5	336	-0.23	-0.74
10:49:26	19.806	0	236.76	5	235.5	334	-0.23	-0.82
10:49:30	19.821	0	236.76	5	235.5	337.5	-0.18	-0.92
10:49:34	19.837	0	236.76	5	235.5	345.5	-0.1	-1
10:49:39	19.852	0	234.16	5	236	343.5	-0.05	-1.04
10:49:43	19.867	0	231.46	5	235.5	344	0	-1.07
10:49:47	19.867	0	231.46	5				

Cylinder 3	Cylinder 4	Fuel consu	Lambda ox	Water tem	Engine spe	Vehicle speed km/h
0.22	-0.63	0.36	19.403	61.76	1040	24.727
0.51	-0.5	0.36	19.335	61.96	1608	23.156
0.41	-0.51	1.62	12.75	61.96	1620	23.422
0.4	-0.71	0.54	18.129	62.16	1497	21.703
0.66	-0.54	7.02	6.232	62.56	1699	41.227
0.36	-0.6	1.8	18.485	63.26	1820	43.344
0.13	-0.54	3.06	13.468	63.56	1924	46.664
0.21	-0.54	1.44	18.593	63.86	1950	46.57
0.07	-0.35	1.26	18.665	63.96	1842	44.063
-0.05	-0.31	0.18	19.681	64.16	1823	43.391
-0.04	-0.31	1.62	15.54	64.16	1515	36.977
0.31	-0.36	5.76	11.452	64.36	2008	47.969
0.35	-0.55	1.98	15.358	65.16	1841	44.359
0.11	-0.61	1.26	18.737	65.56	1840	44
0.04	-0.51	0	20.961	65.76	1206	27.133
0.07	-0.49	0	19.992	65.86	1174	17.242
0.29	-0.55	6.12	16.298	66.06	1540	38.25
0.65	-0.88	0	20.719	66.26	1678	38.523
0.69	-0.87	0.9	17.879	66.56	1031	15.047
0.96	-0.87	7.92	4.543	66.76	2062	30.922
0.64	-0.73	2.88	15.068	67.36	1713	41
0.51	-0.74	0	20.372	67.86	1537	26.211
0.56	-0.71	2.34	16.913	68.06	2218	32.102
0.59	-0.75	9.36	6.993	68.36	1761	42.563
0.41	-0.51	0	20.65	68.86	1465	29.633
0.36	-0.46	1.8	14.997	69.16	1629	23.695
0.68	-1.02	2.7	16.768	69.36	1818	26.133
0.48	-0.55	0.9	17.52	69.66	1139	16.328
0.85	-0.7	3.96	11.298	69.86	1619	23.281
0.61	-0.64	0	20.787	70.26	1321	18.648
0.56	-0.51	0.54	16.985	70.46	861	7.336
0.72	-0.3	0.9	16.153	70.76	975	8.219
0.65	-0.1	0.54	18.199	70.86	840	6.922
0.81	-0.08	6.48	9.256	70.86	1990	21.367
0.8	-0.19	4.86	7.514	71.36	1717	42.141
0.55	-0.18	10.08	1.585	72.06	1765	42.727
0.81	-0.51	3.6	12.525	72.66	1800	42.977
0.67	-0.53	3.6	10.143	73.06	1631	38.633
0.14	-0.31	1.98	10.567	73.36	1433	34.766
0.48	-0.46	1.44	17.664	73.66	1659	39.453
0.31	-0.47	0	20.269	74.26	1219	28.781
0.44	-0.41	9.9	0.569	74.46	1637	39.977
0.8	-0.44	1.98	16.913	75.16	1712	40.742
0.77	-0.73	1.98	17.52	75.86	1814	43.336
0.46	-0.71	1.62	17.377	76.36	1866	44.516

0.09	-0.45	0.72	19.854	76.46	1815	43.359
0.08	-0.42	0	19.922	76.46	1432	22.781
0.16	-0.48	1.98	14.925	76.46	1721	25.273
0.06	-0.59	0.54	19.611	76.36	1792	25.563
0.17	-0.6	2.52	13.881	76.36	1751	25.602
0.22	-0.59	0.9	19.092	76.36	1733	25.234
0.14	-0.63	7.2	9.642	76.36	2385	35.945
0.4	-0.72	16.2	0.316	76.76	2285	55.289
0.47	-0.63	1.98	17.879	78.06	1810	43.203
0.49	-0.61	0	20.787	78.86	1758	33.031
0.46	-0.59	2.88	20.787	79.16	1693	24.406
0.19	-0.46	4.32	20.787	79.46	1821	25.813
0.06	-0.34	1.26	20.787	79.96	1108	5.492
0.11	-0.41	5.58	20.787	80.66	1714	15.203
0.1	-0.35	5.4	20.787	81.26	1973	29.352
-0.02	-0.2	5.22	20.787	82.06	2649	38.813
-0.1	-0.16	5.22	20.787	82.76	1875	45.352
-0.19	-0.11	0.72	20.787	83.16	1962	46.875
-0.19	-0.11	0.36	20.787	83.16	1810	43.273
-0.09	-0.27	3.78	20.787	82.96	1846	44.359
-0.08	-0.36	2.34	20.787	82.96	1872	44.961
-0.14	-0.45	2.88	20.787	82.76	1945	46.633
-0.26	-0.52	4.14	20.787	82.76	2095	50.219
-0.34	-0.42	3.42	20.787	82.96	2126	50.813
-0.34	-0.35	3.24	20.787	83.16	2059	49.211
-0.35	-0.32	2.7	20.787	83.26	2112	50.656
-0.37	-0.29	2.7	20.787	83.26	2099	50.219
-0.38	-0.33	3.42	20.787	83.46	2074	49.594
-0.35	-0.24	4.86	20.787	83.76	2125	51.242
-0.32	-0.04	4.14	20.787	84.66	2212	52.875
-0.3	-0.09	3.96	20.787	85.36	2115	50.602
-0.33	-0.17	3.96	20.787	85.66	2047	48.813
-0.33	-0.27	3.78	20.787	86.06	1951	46.492
-0.32	-0.24	3.78	20.787	86.36	1763	41.945
-0.34	-0.23	0.18	20.787	86.56	1647	23.852
-0.29	-0.32	3.42	20.787	86.56	1885	27.688
-0.2	-0.31	1.26	20.787	86.56	1030	20.984
-0.1	-0.3	1.98	20.787	86.56	879	12.086
0.11	-0.27	1.98	20.787	86.76	1225	0
-0.01	-0.31	2.88	20.787	86.76	2312	0
-0.26	-0.23	2.88	20.787	86.56	2319	0
-0.3	-0.22	2.88	20.787	86.36	2324	0
-0.31	-0.22	2.88	20.787	85.86	2324	0
-0.31	-0.21	2.88	20.787	85.56	1608	9.578
-0.29	-0.17	5.58	20.787	85.66	2256	33.75
-0.27	-0.11	0	20.787	86.26	1710	41.391
-0.3	-0.13	0	20.787	86.36	2705	39.234

-0.3	-0.13	4.5	20.787	86.26	2985	43.32
-0.3	-0.13	3.06	20.787	85.86	3023	44.07
-0.3	-0.13	3.96	20.787	85.56	2983	43.203
-0.3	-0.13	0	20.787	85.36	2251	32.016
-0.26	-0.21	3.42	20.787	85.16	2169	31.484
-0.09	-0.26	0.18	20.787	85.16	2041	29.477
-0.07	-0.27	4.68	20.787	84.96	2187	31.953
-0.31	-0.25	2.88	20.787	85.36	2267	32.766
-0.26	-0.31	0.36	20.787	85.36	1870	26.953
-0.16	-0.31	4.5	20.787	85.36	2100	30.656
-0.19	-0.36	0.36	20.787	85.36	1987	28.773
-0.19	-0.39	2.7	20.787	85.36	2095	30.445
-0.18	-0.32	0.36	20.787	85.16	1957	27.773
-0.18	-0.32	1.62	20.787	84.96	976	13.297
-0.29	0.09	2.34	20.787	84.96	948	8.836
-0.24	0.24	2.16	20.787	85.16	876	4.164
-0.27	0.56	3.78	20.787	85.56	1641	3.289
-0.21	0.27	1.62	20.787	85.56	1085	7.258
-0.15	0.34	2.7	20.787	85.56	1779	3.914
-0.15	0.12	1.62	20.787	85.66	1003	7.648
-0.11	0.27	2.16	20.787	85.66	910	0
-0.06	0.21	1.8	20.787	85.86	853	6.359
-0.03	0.35	2.34	20.787	86.06	906	5.398
0.28	0.23	2.16	20.787	86.06	902	2.563
0.54	-0.19	2.16	20.787	86.36	919	3.078
0.69	-0.55	3.42	20.787	86.56	1425	3.977
0.14	-0.42	1.26	20.787	86.36	987	2.227
0.03	-0.19	3.24	20.787	86.36	1750	0
-0.05	-0.16	1.98	20.787	86.36	1289	0
-0.18	-0.09	3.42	20.787	86.36	2303	0
-0.29	-0.11	3.78	20.787	85.86	2622	0
-0.28	-0.12	1.26	20.787	85.66	845	4.375
-0.13	-0.19	1.62	20.787	85.86	897	3.93
0.23	-0.22	1.62	20.787	86.06	912	2.727
0.56	-0.32	1.8	20.787	86.36	903	0
0.74	-0.48	1.98	20.787	86.56	1184	5.414
0.6	-0.52	1.98	20.787	86.86	897	5.742
0.3	-0.29	1.98	20.787	87.26	879	9.344
0.47	-0.36	2.16	20.787	87.56	896	6.453
0.67	-0.53	2.16	20.787	87.76	890	4.773
0.71	-0.74	2.34	20.787	87.96	888	2.836
0.7	-0.87	4.5	20.787	88.26	2189	19.516
0.56	-0.67	4.32	20.787	88.26	1901	27.727
0.34	-0.63	2.52	20.787	88.46	1648	23.992
0.14	-0.49	0.36	20.787	88.16	1144	23.234
0.01	-0.17	2.16	20.787	87.96	913	7.094
-0.03	0.11	2.16	20.787	88.16	892	0

0.36	-0.04	2.34	20.787	88.26	1801	5.672
0.25	-0.15	6.12	20.787	88.26	1656	25.695
0.13	-0.14	1.8	20.787	88.66	1723	25.367
-0.04	-0.24	3.78	20.787	88.66	2298	33.641
-0.1	-0.25	0.72	20.787	88.46	2079	30.211
-0.1	-0.27	5.04	20.787	88.26	1938	28.484
-0.23	-0.31	2.88	20.787	87.96	2120	30.922
-0.2	-0.33	2.52	20.787	87.76	2204	32
-0.07	-0.41	1.8	20.787	87.56	2180	31.781
-0.07	-0.41	3.06	20.787	87.26	2314	33.766
0	-0.53	2.52	20.787	87.06	2436	35.531
0.04	-0.51	0.18	20.787	86.56	2135	30.961
0.04	-0.51	0.36	20.787	86.36	1586	22.391
-0.03	-0.36	7.92	20.787	86.06	2047	30.57
0.01	-0.38	7.74	20.787	86.36	3040	44.445
-0.08	-0.23	5.04	20.787	87.26	1964	46.313
-0.15	-0.22	2.16	20.787	87.46	1400	33.297
-0.14	-0.21	0.72	20.787	87.26	1300	18.492
-0.12	-0.19	3.96	20.787	86.86	1430	21.281
-0.18	-0.25	1.8	20.787	86.56	965	0
-0.06	-0.35	1.62	20.787	86.36	853	0
-0.19	-0.16	4.68	20.787	86.36	1917	17.164
-0.2	-0.15	4.68	20.787	85.86	1720	25.875
-0.24	-0.18	6.48	20.787	85.86	2111	31.313
-0.14	-0.16	17.1	20.787	86.06	3119	48.75
-0.11	-0.01	5.58	20.787	87.46	2111	50.516
-0.19	0.04	0.18	20.787	88.16	1480	34.836
-0.18	-0.05	5.22	20.787	88.16	1686	40.477
-0.23	-0.14	3.6	20.787	87.96	1708	40.523
-0.22	-0.21	1.26	20.787	87.46	887	23.844
-0.26	-0.02	2.16	20.787	87.06	910	3.445
-0.4	0.38	1.98	20.787	86.56	1089	0
-0.29	0.2	1.8	20.787	85.86	1339	0
-0.25	0.01	5.4	20.787	85.36	1449	11.969
-0.24	-0.03	5.4	20.787	85.16	1979	29.344
-0.18	-0.05	5.58	20.787	86.06	1827	44.016
-0.18	-0.13	0.18	20.787	86.76	1820	43.375
-0.18	-0.13	0.18	20.787	87.06	1560	36.68
-0.19	-0.13	0.18	20.787	87.06	1293	30.813
-0.2	-0.15	2.7	20.787	87.46	1507	36.406
-0.16	-0.3	2.88	20.787	87.46	1659	39.852
-0.17	-0.3	0.54	20.787	87.26	1861	44.883
-0.13	-0.09	5.22	20.787	87.26	2291	54.555
-0.15	-0.03	0.36	20.787	87.46	1041	38.086
-0.11	-0.07	2.34	20.787	87.46	913	14.742
-0.16	0.16	4.68	20.787	87.46	2116	18.484
-0.19	0.04	0.54	20.787	86.76	1067	15.742

-0.11	0.07	1.98	20.787	86.86	904	7.375
-0.14	0.06	2.34	20.787	86.76	1243	11.977
-0.09	0.03	2.34	20.787	86.26	909	0
-0.02	0.16	5.22	20.787	86.36	1883	0
-0.04	0.02	3.6	20.787	85.86	2240	0
-0.21	-0.17	3.06	20.787	85.86	2219	0
-0.26	-0.22	2.88	20.787	85.66	2193	0
-0.33	-0.21	2.34	20.787	85.86	2141	0
-0.33	-0.16	1.26	20.787	85.86	954	0
-0.47	0.2	1.62	20.787	86.26	893	0
-0.72	0.66	1.62	20.787	86.56	906	0
-0.73	1.07	1.62	20.787	86.86	894	0
-0.59	1.33	1.98	20.787	87.06	896	0
-0.42	1.48	1.98	20.787	87.26	900	0
-0.17	1.5	1.98	20.787	87.26	896	0
0.04	1.4	2.16	20.787	87.26	893	0
0.18	1.29	1.62	20.787	86.86	1003	0
0.23	0.77	1.98	20.787	86.76	897	0
0.26	0.68	2.16	20.787	86.76	901	0
0.24	0.65	8.1	20.787	86.56	1245	11.477
0.06	0.47	1.26	20.787	86.06	1319	19.461
-0.01	0.32	0.54	20.787	86.56	826	0
0.19	0.09	0.18	20.58	86.36	1705	25.531
0.31	-0.2	0	20.2	86.36	1335	20.031
0.54	-0.79	3.24	16.515	86.26	2368	34.641
0.34	-0.55	1.08	17.377	86.26	1551	37.406
-0.08	-0.41	1.44	17.198	86.26	1713	41.172
-0.38	-0.3	1.26	19.542	86.26	1837	43.781
-0.18	-0.35	0.9	19.335	86.26	1759	41.695
-0.1	-0.33	0.72	17.806	86.06	842	13.445
-0.2	0.44	0.72	16.588	86.06	820	0
-0.24	0.84	0.72	16.588	86.26	814	0
-0.2	1.13	0.72	16.443	86.26	827	0
-0.14	1.23	0.72	16.588	86.06	818	0
-0.12	1.25	0.72	16.515	86.06	818	0
-0.15	1.29	0.72	16.588	86.06	822	0
-0.13	1.28	8.46	5.911	85.86	2741	24.367
0.23	0.67	8.1	8.444	86.26	2017	48.711
0.16	0.19	0	20.787	86.86	1902	45.336
0.16	0.17	4.86	8.522	87.06	1884	45.383
0.16	-0.1	0.18	19.681	87.26	1308	25.195
0.07	-0.1	4.32	9.487	87.26	2004	30.227
0.47	-0.54	4.68	10.491	87.26	1844	44.445
0.63	-0.74	0	20.961	87.46	1514	35.047
0.53	-0.64	0.54	17.127	87.06	833	0
0.37	-0.14	0.72	16.588	87.06	818	0
0.15	0.32	0.72	16.588	86.86	822	0

0.08	0.61	0.72	16.84	86.76	821	0
0.07	0.79	0.72	16.66	86.56	817	0
0.06	0.94	0.72	16.768	86.36	817	0
0	1.06	0.72	16.66	86.26	801	0
-0.01	1.12	0.72	16.515	86.06	824	0
-0.02	1.13	0.72	16.443	86.06	814	0
-0.05	1.14	0.72	16.298	85.86	824	0
-0.08	1.15	0.72	16.443	85.86	818	0