

NANOCOM - TD5 INSTRUMENTS - TD5 ENGINE input file

Engine speed (rpm)	Road speed	Coolant temp. (C)	Turbo pres. (Bar)	Battery volt. (V)	Ambient pres. (kPa)	Air flow (g/s)	Air inlet temp. (C)	Fuel temp. (C)	Cyl. 1	Cyl. 2	Cyl. 3	Cyl. 4	Cyl. 5	Accel. track 1 (V)	Accel. track 2 (V)	Accel. track 3 (V)	Accel. supply (V)	EGR inlet (%)	EGR mod. (%)	Idle speed error	Wastegate mod. (%)
745	0	54.7	0.01	12.7	100.52	4	28.6	38.7	-3	0	-1	1	-7	0.592	4.477	4.671	5.015	0	0	9	0
746	0	54.7	0.01	12.67	100.38	4	28.7	38.7	1	-1	2	0	2	0.592	4.477	4.671	5.015	0	0	6	0
747	0	54.7	0.01	12.26	100.79	4.1	28.6	38.7	2	2	1	-3	1	0.592	4.477	4.671	5.015	0	0	2	0
744	0	54.7	0.01	12.61	100.79	4.1	28.6	38.7	0	-2	4	2	4	0.592	4.477	4.671	5.01	0	0	2	0
742	0	54.7	0.01	12.7	100.79	4	28.6	38.7	-1	3	-1	1	0	0.592	4.477	4.671	5.015	0	0	6	0
745	0	54.7	3.37	11.97	100.79	3210.1	28.6	38.7	1	0	-1	-2	0	0.592	4.477	4.671	5.015	0	0	8	0
747	0	54.7	0.01	12.67	100.26	4	28.6	38.7	0	-3	0	0	3	0.592	4.477	4.671	5.015	0	0	2	0
745	0	54.7	0.01	12.73	100.79	4	28.5	39.4	1	3	-2	2	-4	0.592	4.477	4.671	5.015	0	0	0	0
749	0	55	0.01	12.96	100.91	4	28.5	39.2	2	3	-2	0	-3	0.592	4.477	4.671	5.015	0	0	0	0
740	0	55.2	0.01	13.12	100.79	4	28.5	39	4	-3	5	-2	4	0.592	4.477	4.671	5.015	0	0	4	0
742	0	55	0.01	13.05	100.66	4	28.5	39	0	-6	3	1	5	0.592	4.477	4.671	5.015	0	0	5	0
747	0	55	0.01	13.08	100.26	4	28.5	39	0	5	-3	2	-4	0.592	4.477	4.671	5.015	0	0	-1	0
743	0	55	0.01	13.05	100.79	4	28.3	39	1	4	-2	1	-4	0.592	4.471	4.666	5.015	0	0	0	0
749	0	54.7	0.01	12.96	100.26	4	28.3	39	-1	1	-2	1	-4	0.587	4.477	4.671	5.01	0	0	6	0
749	0	55	0.01	12.99	100.79	4	28.3	39	0	6	-2	1	-2	0.592	4.477	4.671	5.015	0	0	1	0
747	0	55	0.01	13.02	100.38	4	28.3	39	2	2	-1	-2	-3	0.587	4.477	4.671	5.015	0	0	10	0
746	0	55.7	0.01	12.61	100.79	4	28.3	39	2	0	-1	3	0	0.781	4.289	4.677	5.015	0	0	1	0
758	0	55.2	0.01	13.08	100.79	4.1	28.2	39.2	1	-2	2	3	3	0.948	4.13	4.671	5.015	0	0	-18	0
750	0	55.2	0.01	12.99	100.38	4	28.2	39	-1	-1	2	0	1	0.894	4.181	4.671	5.015	0	0	-9	0
762	0	55.2	0.02	13.02	100.66	4	28.2	39	0	-3	2	1	0	0.878	4.204	4.671	5.01	0	0	10	0
754	0	55.2	0.02	12.99	100.38	4	28.2	39.2	1	-3	2	1	1	0.932	4.146	4.671	5.015	0	0	2	0
749	3	55.2	0.02	12.99	100.38	4	28.2	39.2	2	-3	1	0	0	0.824	4.255	4.671	5.015	0	0	7	0
760	3	55.2	0.02	12.32	100.66	4	28.1	39.2	1	-3	0	0	-1	0.889	4.192	4.677	5.015	0	0	8	0
758	3	55.2	0.02	12.96	100.66	4	28.2	39.2	0	-3	2	0	0	0.802	4.277	4.671	5.015	0	0	4	0
745	3	55.4	0.02	12.96	100.52	4	28.2	39.2	1	-2	1	2	0	0.592	4.477	4.671	5.015	0	0	7	0
755	3	54	0.01	12.96	100.52	4	28.1	39.4	-7	0	-7	-3	-8	0.592	4.477	4.671	5.015	0	0	22	0
763	3	55.4	0.01	12.99	100.38	4	28.1	39.4	0	6	-5	-4	-4	0.592	4.477	4.671	5.015	0	0	10	0
716	1	55.4	0.02	12.39	100.38	4.1	28.1	39.4	2	0	0	-2	-1	0.867	4.21	4.671	5.015	0	0	-43	0
726	0	55.4	0.02	12.96	100.38	4	28.1	39.4	-1	-2	0	0	3	0.824	4.255	4.671	5.015	0	0	-11	0
756	0	55.5	0.02	12.99	100.79	4	28.1	39.4	-1	-4	0	-1	8	0.878	4.197	4.671	5.015	0	0	-3	0
805	1	55.5	0.02	12.77	100.79	4.1	28.1	39	-3	6	-5	0	-3	1.136	3.948	4.682	5.015	0	0	4	0
926	6	55.5	0.02	12.99	100.66	4	28	39.4	0	-2	4	0	-2	1.233	3.858	4.677	5.026	0	0	78	0
1025	8	55.2	0.03	12.99	100.52	4	28	39.4	-1	-5	4	2	1	1.297	3.783	4.671	5.01	0	0	177	0
1113	8	55.5	0.03	12.99	100.52	4	28	39.5	-3	-3	2	3	-1	1.368	3.727	4.627	5.015	0	0	234	0
1204	9	55.5	0.04	13.02	100.38	4	27.8	39.5	2	-5	0	6	-2	1.32	3.772	4.671	5.01	0	0	291	0
1219	9	55.5	0.04	12.99	100.52	4	27.7	39.5	1	-4	1	5	-3	1.314	3.778	4.671	5.01	0	0	305	0
1231	9	55.7	0.04	12.99	100.38	4	27.7	39.5	-1	-2	2	3	-2	1.33	3.76	4.666	5.015	0	0	338	0
1311	10	55.7	0.05	12.99	100.52	4	27.7	39.5	1	-8	2	8	1	1.314	3.778	4.671	5.01	0	0	359	0
1355	10	55.9	0.05	12.99	100.66	4	27.7	39.5	4	-4	3	-1	-2	0.867	4.204	4.677	5.032	0	0	444	0
845	10	55.9	0.03	12.96	100.38	4	27.6	39.7	-10	-5	0	12	3	0.845	4.237	4.677	5.015	0	0	14	0
811	10	55.9	0.03	12.96	100.52	4.1	27.5	39.7	-1	-5	3	7	4	1.049	4.045	4.671	5.01	0	0	-28	0
852	11	55.9	0.02	12.99	100.52	4	27.3	39.7	-5	-14	14	3	8	0.7	4.368	4.677	5.015	0	0	34	0
766	10	56	0.02	12.93	100.38	4	27.3	39.7	12	-1	-6	13	-20	0.668	4.414	4.677	5.015	0	0	23	0
763	10	56	0.02	12.86	100.79	4	27.3	39.7	11	-10	11	-3	14	0.592	4.477	4.671	5.015	0	0	-18	0
818	9	56	0.02	12.83	100.26	4	27.2	40	-5	-20	17	5	10	0.592	4.477	4.671	5.015	0	0	19	0
802	6	56	0.02	12.67	100.38	4	27.2	40	5	-13	3	-4	-8	0.603	4.477	4.671	5.01	0	0	1	0
781	4	56	0.02	12.7	100.26	4	27.2	39.9	8	-13	3	-8	-18	0.592	4.471	4.671	5.015	0	0	19	0
759	2	56	0.01	12.93	100.79	4	27.2	40	6	-10	-1	-3	-1	0.592	4.477	4.671	5.015	0	0	16	0
768	1	56	0.01	12.93	100.79	4	27.2	40	2	-5	-5	-1	-3	0.942	4.142	4.671	5.01	0	0	-15	0
756	1	56	0.02	12.86	100.38	4.1	27.2	39.7	0	-5	3	3	-2	0.937	4.142	4.671	5.01	0	0	-4	0
782	1	56	0.02	12.8	100.52	4	27.1	40	1	-6	3	4	-1	1.039	4.051	4.671	5.015	0	0	4	0
784	5	56	0.02	12.83	100.38	4	27.1	40	0	-3	4	0	-2	1.115	3.977	4.671	5.015	0	0	11	0
839	5	56	0.02	12.89	100.79	4	27.1	40	-2	-7	5	3	1	1.233	3.862	4.671	5.015	0	0	48	0
1006	7	56.2	0.03	12.89	100.52	4.1	27	40	1	-4	8	0	1	1.437	3.658	4.53	5.01	0	0	174	0
1305	9	56	0.06	12.89	100.52	4	27	40	2	-7	4	4	-3	1.918	3.193	3.875	5.015	0	0	493	0
1735	13	56.2	0.14	12.86	100.12	4	26.8	40	2	-2	-1	4	-1	2.042	3.073	3.704	5.015	0	0	952	0
2193	16	56.2	0.28	12.96	99.59	4	26.8	40	1	-1	3	-3	-2	1.988	3.118	3.778	5.015	0	0	1374	0
2250	18	56.2	0.17	12.93	100.26	4	26.7	40	-5	6	4	1	-5	0.592	4.477	4.671	5.015	0	0	1069	0
1245	18	56.4	0.06	12.93	100.52	4	26.5	40	3	3	3	1	-10	0.856	4.227	4.671	5.015	0	0	292	0
1159	16	56.2	0.03	12.93	100.52	4	26.2	41.2	2	1	-2	0	-1	0.829	4.249	4.671	5.01	0	0	279	0
1018	13	56.4	0.02	12.86	100.79	4	26.2	40.2	1	2	0	-1	-2	0.646	4.426	4.671	5.015	0	0	146	0
856	12	56.2	0.01	12.86	100.66	4	26.2	40.2	0	-2	2	0	1	0.948	4.136	4.671	5.015	0	0	9	0
763	10	56.4	0.02	12.7	100.66	4	26.1	40.2	-10	-15	11	-3	17	1.297	3.795	4.671	5.015	0	0	-101	0
850	11	56.4	0.03	12.86	100.38	4	26	40.2	-1	-7	6	2	-4	1.589	3.516	4.324	5.015	0	0	-29	0
935	12	56.7	0.05	12.83	100.52	4	26	40.2	-11	0	10	7	12	1.831	3.273	3.977	5.015	0	0	50	0
1058	14	56.2	0.07	12.86	100.66	4	25.8	40.2	3	-1	8	7	2	2.252	2.868	3.415	5.026	0	0	177	0
1335	18	56.4	0.17	12.86	100.38	4	25.8	40.5	1	-3	0	3	-1	2.375	2.739	3.24	5.01	0	0	517	0
1712	23	56.2	0.36	12.86	99.87	4	25.8	40.5	2	0	1	1	0	2.428	2.698	3.171	5.015	32	0	915	31.5
2122	29	56.4	0.56	12.64	99.33	4	25.7	40.5	0	-											

1792	38	56.9	0.13	12.61	100.12	4	25	40.7	0	-4	-1	4	1	1.465	3.641	4.506	5.015	0	0	844	0
1774	37	57	0.13	12.77	100.38	4	25	40.7	-2	-2	4	5	-5	1.394	3.704	4.589	5.015	0	0	840	0
1740	36	57	0.1	12.83	100.26	4	24.7	40.7	0	-5	-1	4	-1	1.238	3.852	4.677	5.01	0	0	835	0
1671	36	55	0.08	12.86	100.52	4.1	24.7	40.7	0	1	0	4	2	0.98	4.102	4.671	5.01	0	0	828	0
1625	34	57.5	0.06	12.86	100.52	4	24.7	40.7	2	2	4	-4	-4	0.668	4.402	4.671	5.015	0	0	780	0
1519	31	57.5	0.04	12.86	100.38	4	24.6	40.7	0	1	0	0	-1	0.684	4.39	4.671	5.015	0	0	662	0
1407	29	57.5	0.03	12.2	100.52	4.1	24.5	41	-4	2	-2	3	2	0.964	4.118	4.671	5.015	0	0	530	0
1319	27	57.7	0.04	12.77	100.52	4	24.3	41	-1	-4	4	0	1	1.174	3.92	4.671	5.015	0	0	403	0.69
1255	26	57.7	0.04	12.86	100.38	4	24.2	41	2	-6	0	0	-1	1.001	4.079	4.671	5.015	0	0	354	0
1268	27	57.7	0.06	12.77	100.38	4	24.2	41	1	-6	0	7	-4	1.605	3.493	4.304	5.015	0	0	316	0
1281	26	57.7	0.08	12.64	100.26	4.1	24.2	41	1	-5	-3	8	-1	1.325	3.766	4.666	5.015	0	0	375	0
1256	26	57.7	0.06	12.1	100.52	4	24.1	41	2	-2	1	2	-5	1.179	3.914	4.671	5.015	0	0	335	0
1196	25	57.7	0.05	12.83	100.52	4.1	24.1	41	-1	-4	3	2	0	1.325	3.76	4.666	5.01	0	0	255	0
1141	23	58	0.06	12.86	100.52	4	24	40.7	-1	4	8	8	-10	1.572	3.528	4.344	5.01	0	0	203	0
1105	23	58	0.08	12.77	100.66	4	23.8	41.2	-2	-3	5	1	-2	2.052	3.062	3.694	5.015	0	0	188	0
1177	24	58	0.14	12.86	100.26	4	23.8	41.2	-3	-1	0	3	-1	2.397	2.733	3.22	5.01	0	0	278	0
1325	27	58.5	0.24	12.83	100.12	4	23.8	41.2	2	-3	-2	1	-2	2.579	2.556	2.98	5.015	0	0	451	0
1514	31	58.2	0.38	12.1	100.26	4	23.8	41.2	2	-3	-1	4	-2	2.677	2.46	2.844	5.015	0	0	617	0
1661	35	58.2	0.51	12.83	100	4	23.7	41.2	-1	-1	0	2	0	2.698	2.427	2.805	5.015	0	0	786	0
1831	38	58.4	0.61	12.77	99.47	4	23.7	41.2	1	3	0	-2	-1	2.704	2.421	2.795	5.015	32.09	0	945	31.6
1976	41	58.4	0.67	12.77	99.59	4	23.7	41.2	-1	0	1	1	0	2.677	2.46	2.829	5.015	39.36	0	1095	38.9
2130	44	58.4	0.63	12.86	99.73	4	23.6	41.2	0	-2	-2	3	1	2.299	2.823	3.346	5.015	0	0	1213	0
1734	43	58.4	0.15	12.86	100.12	4	23.6	41.2	-1	1	4	-1	0	0.77	4.306	4.677	5.015	0	0	577	0
1465	43	58.7	0.21	12.45	100.26	4	23.5	41.5	2	-2	0	2	4	2.473	2.664	3.128	5.015	0	0	526	0
1489	43	56.9	0.35	12.1	100.12	4	23.3	41.5	1	-2	-4	1	-5	2.403	2.727	3.216	5.01	0	0	564	0
1510	44	56.9	0.28	12.86	100.38	4	23.2	41.5	0	-5	2	3	0	2.036	3.079	3.714	5.015	0	0	581	0
1522	45	59	0.24	12.86	100.38	4	23.2	42.5	1	-2	-1	1	1	2.117	3.006	3.607	5.015	0	0	581	0
1524	44	59	0.26	12.83	100.26	4	23.2	41.7	1	-2	0	0	0	2.176	2.948	3.528	5.015	0	0	587	0
1530	45	59	0.26	12.86	100.26	4	23.2	41.7	-1	-2	2	1	0	2.138	2.989	3.582	5.015	0	0	587	0
1522	44	59.4	0.25	12.42	100.26	4	23.2	41.7	-1	-1	-1	3	0	2.236	2.875	3.431	5.015	0	0	594	0
1524	44	59.4	0.3	12.77	100.12	4	23.2	41.7	2	-2	-1	1	-2	2.299	2.818	3.346	5.01	0	0	591	0
1529	45	59.5	0.33	12.86	100	4	23.1	42.2	-1	-3	-1	1	-1	2.306	2.818	3.338	5.015	0	0	590	0
1544	45	59.7	0.37	12.8	99.87	4	23.1	41.9	-4	-4	3	1	0	2.526	2.608	3.053	5.015	0	0	609	0
1582	46	60	0.42	12.61	100.26	4	22.8	41.9	3	-4	-2	3	1	2.483	2.648	3.108	5.015	0	0	658	0
1615	48	60	0.44	12.86	100.12	4	22.8	41.9	0	-1	-1	2	-3	2.493	2.641	3.098	5.01	0	0	691	0
1645	48	60	0.43	12.67	100.12	4	22.7	41.9	-3	-1	1	3	0	2.358	2.766	3.273	5.015	0	0	714	0
1658	48	60.4	0.35	12.64	100.26	4	22.7	41.9	1	-2	0	2	-4	2.079	3.029	3.651	5.015	0	0	719	0
1644	48	60.5	0.27	12.86	100.26	4	22.7	42	0	-4	1	3	4	1.88	3.227	3.918	5.015	0	0	697	0
1628	47	60.7	0.24	12.89	100.12	4	22.7	42	0	-3	-2	4	1	1.939	3.17	3.845	5.015	0	0	675	0
1604	46	60.9	0.23	12.86	100.12	4.1	22.7	41.9	0	-5	2	6	6	1.918	3.187	3.865	5.015	0	0	651	0
1585	46	60.9	0.23	12.89	100.26	4	22.6	41.9	2	-2	-2	2	3	1.998	3.114	3.767	5.015	0	0	639	0
1569	46	61.2	0.23	12.13	100.12	4	22.5	41.7	1	-5	-2	2	-1	2.015	3.096	3.739	5.015	0	0	619	0
1541	45	61.4	0.23	12.89	100	4	22.5	41.7	2	-6	-1	2	0	1.982	3.125	3.767	5.015	0	0	596	0
1522	44	61.4	0.22	12.89	100	4	22.3	41.7	3	-6	0	4	-2	1.965	3.153	3.822	5.015	0	0	576	0
1501	44	61.5	0.2	12.93	100.26	4	22.3	41.7	2	-3	-1	3	-1	1.858	3.256	3.957	5.015	0	0	550	0
1473	43	61.5	0.19	12.86	100.26	4	22.3	42	0	-6	-1	3	-2	1.826	3.283	4.006	5.015	0	0	519	0
1459	42	62	0.17	12.39	100.38	4	22.3	41.9	1	-5	1	5	0	1.783	3.329	4.071	5.015	0	0	527	0
1462	42	62.2	0.17	12.89	100.12	4	22.2	42	1	-4	0	2	-1	1.761	3.346	4.094	5.01	0	0	528	0
1498	43	62.2	0.17	12.86	100	4.1	22.2	42.5	3	-4	1	4	3	1.778	3.335	4.076	5.015	0	0	571	0
1550	45	62.5	0.16	12.89	100.26	4	22.1	42	2	-5	3	2	-2	1.126	3.966	4.677	5.015	0	0	693	0
1546	46	62.7	0.07	12.93	100.12	4	22.1	42	0	0	-2	-2	1	0.759	4.311	4.671	5.015	0	0	729	0
1532	45	62.7	0.05	12.89	100.26	4	22.1	42	-1	-1	1	-1	-3	0.587	4.481	4.671	5.015	0	0	702	0
1506	44	62.9	0.04	12.93	100.38	4	22	42	1	-1	2	-3	-5	0.587	4.477	4.671	5.015	0	0	682	0
1479	43	63.2	0.04	12.93	100.38	4	21.8	42	-1	2	-3	-1	-3	0.872	4.204	4.677	5.01	0	0	649	0
1467	43	63.2	0.04	12.93	100.26	4	21.7	42	5	3	-6	-7	-7	0.851	4.231	4.671	5.015	0	0	626	0
1454	42	63.2	0.04	12.93	100.38	4	21.7	42	-1	-3	1	3	0	0.91	4.176	4.671	5.015	0	0	611	0
1450	42	63.2	0.05	12.96	100.38	4	21.6	42	-2	-3	2	2	1	0.921	4.158	4.671	5.015	0	0	599	0
1446	42	63.4	0.05	12.93	100.38	4.1	21.5	42	3	-6	3	2	-4	0.953	4.13	4.671	5.015	0	0	592	0
1437	42	63.4	0.05	12.93	100.38	4	21.3	42.2	2	-4	3	2	1	0.975	4.107	4.671	5.015	0	0	585	0
1420	42	63.4	0.05	12.96	100.12	4	21.3	42.2	0	-2	1	2	-2	0.986	4.096	4.671	5.015	0	0	557	0
1407	41	63.5	0.05	12.93	100.12	4	21.2	42.2	1	-3	-1	1	-2	0.996	4.09	4.671	5.015	0	0	532	0
1368	40	63.5	0.05	12.93	100.26	4	21.2	42.2	-1	-3	-3	4	1	1.065	4.027	4.677	5.01	0	0	493	0
1354	39	63.5	0.06	12.93	100.12	4	21.2	42.2	5	-5	3	-2	-8	1.169	3.926	4.671	5.015	0	0	445	0
1309	38	63.5	0.06	12.96	100.12	4	21.1	42.2	2	-6	1	2	1	1.243	3.841	4.671	5.01	0	0	388	0
1284	37	63.5	0.07	12.93	100.38	4	21.1	42.5	-1	-6	3	2	-2	1.325	3.76	4.666	5.015	0	0	363	0
1259	37	63.7	0.07	12.93	100.26	4	21.1	42.5	2	-7	6	4	-5	1.286	3.801	4.677	5.015	0	0	339	0
1247	36	63.7	0.07	12.93	100.26	4	21	42.5	-2	-2	3	7	0	1.335	3.755	4.657	5.015	0	0	324	0
1238	36	63.4	0.07	12.96	100.26	4	20.8	42.5	0	-9	1	5	-4	1.368	3.72	4.612	5.015	0	0	298	0
1235	36	63.7	0.08	12.96	100.12	4	20.7	42.5	1	-7	3	6	1	1.475	3.625	4.48	5.015	0	0	293	0
1236	36	64	0.08	12.93	100.12	4	20.7	42.5	3	-8	2	5									

1621	33	64	0.05	12.96	100.26	4	20	43	0	2	1	-1	3	0.592	4.477	4.671	5.015	0	0	781	0
1551	32	64.1	0.04	12.96	100.38	4	19.8	43	0	0	2	-2	0	0.587	4.477	4.671	5.01	0	0	719	0
1490	31	64.1	0.04	12.93	100.12	4	19.7	43.2	1	-5	2	-2	3	0.856	4.221	4.671	5.015	0	0	636	0
1449	30	64	0.05	12.93	100.12	4	19.7	43.2	0	-1	3	1	-3	0.921	4.158	4.671	5.015	0	0	604	0
1413	29	64.1	0.05	12.23	100.38	4	19.7	43.2	-1	-3	-3	5	-2	1.233	3.852	4.671	5.015	0	0	518	0
1410	29	64	0.08	12.86	100.38	4.1	19.6	43.4	2	-5	2	4	-4	1.508	3.595	4.441	5.015	0	0	495	0
1482	31	64	0.13	12.51	100.26	4	19.6	43.4	2	-5	0	4	-2	1.896	3.216	3.905	5.015	0	0	583	0
1616	33	64	0.22	12.83	99.87	4	19.5	43.4	-1	0	1	2	-2	2.283	2.835	3.362	5.01	0	0	736	0
1789	37	64	0.34	12.93	99.87	4	19.5	43.5	0	-1	1	0	1	2.154	2.96	3.548	5.015	0	0	902	0
1931	40	64	0.35	12.93	99.87	4	19.3	43.5	0	1	-3	0	2	2.164	2.954	3.533	5.015	0	0	1028	0
2044	42	64	0.4	12.93	99.73	4	19.2	43.5	2	0	-4	-2	2	2.138	2.977	3.572	5.015	0	0	1131	0
2142	44	63.7	0.41	12.93	99.47	4	19.2	43.5	3	1	-1	0	-1	2.132	2.989	3.582	5.015	0	0	1223	0
2223	46	63.7	0.43	12.7	99.47	4	19.1	43.5	1	-1	0	0	2	2.105	3.01	3.615	5.015	0	0	1310	0
2287	48	64	0.4	12.58	99.47	4	19.1	43.5	3	-1	1	-1	-1	1.982	3.131	3.786	5.01	0	0	1355	0
2281	48	64	0.37	12.29	99.59	4	19.1	43.5	0	-1	-3	-1	7	1.88	3.239	3.928	5.01	0	0	1321	0
2235	47	64	0.32	12.96	99.73	4	19.1	43.7	2	-5	0	4	-1	1.783	3.323	4.051	5.015	0	0	1268	0
2170	45	64	0.28	12.96	99.73	4	19.1	43.7	0	-8	1	6	1	1.427	3.664	4.534	5.015	0	0	1204	0
2082	43	64.1	0.21	12.55	99.87	4	19.1	43.7	-1	-3	1	4	1	1.162	3.926	4.677	5.01	0	0	1164	0
1972	42	64.3	0.13	12.93	100.26	4	19.1	43.7	5	-4	-10	-6	0	0.738	4.335	4.671	5.015	0	0	1148	0
1802	38	64.3	0.07	12.83	100.26	4	19.1	43.7	0	0	2	0	4	0.592	4.477	4.671	5.015	0	0	920	0
1643	34	64.3	0.06	12.89	100.12	4	19.1	44	0	1	0	-2	1	0.592	4.477	4.671	5.015	0	0	758	0
1150	29	64.5	0.05	12.86	100.26	4	19.1	44	-1	1	-1	-1	2	0.592	4.477	4.671	5.015	0	0	53	0
825	22	64.5	0.03	12.86	100.26	4	19.1	43.7	4	13	-15	20	-8	0.592	4.477	4.677	5.015	0	0	28	0
842	14	64.6	0.03	12.93	100.52	4	19.1	44.2	6	11	-18	14	-10	0.592	4.477	4.671	5.015	0	0	62	0
762	7	64.5	0.02	12.83	100.66	4	19.2	44.2	11	4	-10	-10	-15	0.592	4.477	4.671	5.015	0	0	3	0
790	3	64.6	0.01	12.89	100.26	4	19.2	44.2	-5	-4	-7	11	5	0.592	4.477	4.671	5.015	0	0	13	0
764	3	64.6	0.02	12.83	100.26	4	19.2	44.2	4	2	1	-1	-8	0.592	4.477	4.671	5.01	0	0	8	0
757	3	64.6	0.02	12.83	100.26	4	19.2	44.2	3	0	-1	2	-6	0.592	4.477	4.671	5.01	0	0	12	0
752	3	66.3	0.02	12.83	100.52	4.1	19.2	44.2	4	-3	5	0	0	0.592	4.477	4.671	5.01	0	0	2	0
751	3	65	0.01	12.61	100.26	4	19.2	44.2	4	-4	3	-1	2	0.592	4.477	4.671	5.015	0	0	0	0
1061	3	65	0.04	12.86	100.38	4	19.3	44	1	-2	1	3	-3	1.713	3.398	4.164	5.015	0	0	148	0
890	0	65	0.06	12.89	100.26	4	19.5	44.2	-8	3	13	16	2	1.848	3.26	3.967	5.015	0	0	99	0
1468	10	65	0.19	12.86	100	4	19.5	44.2	0	-4	2	3	-3	2.375	2.744	3.24	5.015	0	0	799	0
2208	16	65	0.41	12.93	99.47	4	19.5	44.2	1	-3	-1	-1	1	2.079	3.029	3.641	5.015	0	0	1410	0
1962	18	65	0.15	12.29	100.12	4	19.5	44.2	-4	3	2	-3	1	0.592	4.471	4.671	5.01	0	0	812	0
1590	18	65.3	0.14	12.89	100	4	19.5	44	6	-7	13	14	16	1.788	3.329	4.071	5.015	0	0	471	0
1625	22	65.1	0.3	12.86	100	4	19.5	44.5	1	2	-1	0	3	2.381	2.744	3.24	5.015	0	0	803	0
1999	26	65.3	0.49	12.89	99.33	4	19.5	44.2	2	-2	0	-1	1	2.446	2.676	3.157	5.015	36.86	0	1198	36.45
2313	31	65.1	0.57	12.89	99.33	4	19.6	44.2	2	4	-2	-1	-3	2.052	3.062	3.698	5.015	0	0	1449	0
1954	32	65.3	0.16	12.89	100.38	4	19.6	44.2	-2	9	0	-4	4	0.592	4.477	4.671	5.015	0	0	813	0
1754	31	65.3	0.18	12.93	100.12	4	19.6	44.2	4	4	4	1	-13	2.128	2.993	3.592	5.015	0	0	600	0
1667	34	65.3	0.43	12.42	99.73	4	19.6	44.2	-4	4	0	-1	-2	2.834	2.296	2.614	5.01	0	0	771	0
1865	38	65.5	0.64	12.93	99.33	4	19.6	44.2	0	1	-1	1	-1	2.844	2.285	2.595	5.01	33.77	0	1004	33.29
2088	43	65.5	0.78	12.93	98.94	4	19.6	44.5	0	0	1	1	0	2.887	2.244	2.54	5.01	39.5	0	1224	39.52
2307	48	65.5	0.87	12.93	98.55	4	19.7	44.5	3	1	0	-6	1	2.822	2.306	2.634	5.015	0	0	1437	0
2175	50	65.5	0.27	12.89	100.12	4	19.8	44.5	4	-1	-6	2	2	0.592	4.477	4.671	5.015	0	0	1023	0
1730	50	65.5	0.24	12.7	99.73	4	20.2	44.5	2	1	2	4	12	2.493	2.637	3.098	5.015	0	0	762	0
1754	51	65.5	0.47	12.89	100	4	20.2	44.5	1	0	0	-1	-1	2.197	2.931	3.509	5.015	0	0	836	0
1778	52	65.8	0.31	12.89	99.73	4	20.3	44.7	3	-2	-3	3	-1	1.572	3.528	4.344	5.01	0	0	841	0
1762	51	65.8	0.22	12.89	100.12	4	20.6	44.7	2	-2	3	3	-1	1.212	3.868	4.677	5.015	0	0	877	0
1758	51	66	0.12	12.83	100.12	4	20.6	44.7	6	-4	1	0	-11	0.592	4.477	4.671	5.01	0	0	898	0
1649	47	66.1	0.06	12.83	100.26	4	20.6	44.7	-1	1	2	2	2	0.592	4.477	4.671	5.015	0	0	771	0
1483	43	66.3	0.05	12.86	100.38	4	20.6	44.7	-1	1	-1	-1	1	0.592	4.477	4.671	5.01	0	0	632	0
1444	42	66.5	0.1	12.13	100.26	4	20.6	44.7	1	-4	1	3	2	1.891	3.227	3.918	5.015	0	0	508	0
1489	43	66.5	0.28	12.13	100	4	20.6	45	1	-1	2	-1	1	3.184	1.96	2.14	5.015	0	0	579	0
1591	47	66.6	0.52	12.89	99.87	4	20.6	45	-3	-1	4	2	-2	3.194	1.949	2.13	5.015	0	0	685	0
1709	49	66.6	0.63	12.86	99.59	4	20.6	45	0	3	-1	0	-2	3.351	1.802	1.914	5.015	0	0	812	0
1834	53	66.6	0.73	12.8	99.73	4	20.6	44	0	-2	-2	0	0	3.414	1.738	1.822	5.015	31.55	0	947	31.1
1974	57	66.9	0.82	12.83	98.94	4	20.6	45	0	-1	1	2	-2	3.441	1.705	1.788	5.015	36.4	0	1082	36
2116	62	66.9	0.92	12.86	98.94	4	20.6	44.9	2	3	-1	-6	-2	3.437	1.717	1.798	5.015	36.56	0	1224	36.63
2220	65	67	0.58	12.93	99.87	4	20.7	45	-1	0	1	0	1	0.592	4.477	4.671	5.015	0	0	1202	0
1703	64	67.1	0.23	12.89	100.26	4	20.8	46	0	-1	1	1	-1	2.306	2.618	3.352	5.015	0	0	840	0
1735	65	67.5	0.57	12.29	99.73	4	21	44.9	2	-1	1	-1	-2	3.204	1.937	2.105	5.015	0	0	812	0
1794	68	67.5	0.68	12.89	99.59	4	21	44.9	2	-1	0	0	3	3.006	2.125	2.38	5.015	0	0	877	0
1862	71	67.8	0.69	12.86	99.47	4	21.1	44.9	-1	0	-2	0	1	2.5	2.625	3.073	5.01	0	0	933	0
1895	72	67.8	0.46	12.17	99.73	4	21.2	44.9	1	-1	-2	-1	1	1.972	3.148	3.806	5.015	0	0	963	0
1918	72	68	0.34	12.86	99.87	4	21.2	45	3	-1	-4	0	-1	1.88	3.239	3.938	5.015	0	0	978	0
1923	73	68.4	0.32	12.58	99.73	4	21.3	44.9	1	2	-2	-2	1	1.891	3.227	3.918	5.015	0	0	984	0
1927	73	68.6	0.32	12.89	100	4	21.2	44.9	1	0	-5	-1	1	1.88	3.233	3.918	5.01	0	0	993	0
1944	73	68.6	0.32	12.89																	

1845	70	70	0.08	12.93	100.26	4	20.6	45.2	-1	4	-1	-2	0	0.592	4.477	4.671	5.01	0	0	1005	0	
1786	67	70.1	0.07	12.96	100.26	4	20.6	45.2	0	0	0	-1	-1	0.592	4.477	4.671	5.015	0	0	940	0	
1719	65	70.1	0.06	12.96	100.38	4	20.5	45.2	-1	0	-1	0	-3	0.592	4.477	4.671	5.015	0	0	873	0	
1654	63	70.1	0.06	12.93	100.38	4	20.3	45.2	-1	0	0	-1	-2	0.592	4.477	4.671	5.015	0	0	807	0	
1562	60	70.1	0.06	12.93	100.38	4	20.2	45	-2	2	0	0	1	0.592	4.477	4.671	5.015	0	0	451	0	
871	59	70.5	0.03	12.93	100.52	4	20.2	45	1	9	6	2	9	0.587	4.477	4.671	5.015	0	0	219	0	
1613	55	70.5	0.01	12.96	100.12	4	20	45	1	0	-1	5	14	0.587	4.477	4.671	5.01	0	0	999	0	
1783	52	70.5	0.06	12.89	100.12	4	20	45.2	-2	1	0	0	1	0.937	4.142	4.671	5.015	0	0	913	0	
1724	50	70.5	0.08	12.35	100.26	4	20.1	45.2	-2	0	3	1	2	0.948	4.136	4.671	5.015	0	0	845	0	
1662	48	70.5	0.08	12.26	100.26	4	19.7	45.2	0	-5	2	1	4	1.12	3.97	4.671	5.01	0	0	772	0	
1624	47	70.5	0.11	12.89	100.38	4	19.7	45.2	1	-5	3	4	1	1.33	3.76	4.666	5.01	0	0	689	0	
1607	47	70.5	0.14	12.93	100.38	4	19.7	45.2	1	-6	0	5	0	1.557	3.545	4.374	5.015	0	0	663	0	
1604	47	70.5	0.17	12.93	100	4	19.6	45.2	1	-4	0	3	3	1.551	3.545	4.379	5.015	0	0	668	0	
1616	47	70.5	0.18	12.55	100.38	4.1	19.5	45.2	1	-4	-3	4	1	1.48	3.618	4.472	5.015	0	0	665	0	
1611	47	70.5	0.16	12.42	100.38	4	19.2	45.5	4	-6	0	1	2	1.378	3.716	4.604	5.015	0	0	676	0	
1003	46	70.5	0.14	12.89	100.26	4	19.2	45.5	2	-8	0	4	2	1.32	3.778	4.671	5.015	0	0	679	0	
1584	46	70.5	0.14	12.93	100.26	4.1	19.2	45.5	0	-6	0	5	0	1.179	3.914	4.671	5.015	0	0	687	0	
1555	46	70.5	0.1	12.93	100.12	4	19.1	45.5	5	0	-15	-2	-9	0.84	4.237	4.671	5.015	0	0	723	0	
1508	44	70.5	0.05	12.86	100.38	4	19	45.7	-2	0	-1	2	1	0.592	4.477	4.671	5.015	0	0	654	0	
1336	40	70.5	0.05	12.86	100.52	4	18.8	45.7	-1	0	0	-1	1	0.592	4.477	4.671	5.015	0	0	240	0	
854	35	70.5	0.03	12.8	100.38	4	18.8	45.7	5	-11	6	-1	7	0.592	4.477	4.671	5.015	0	0	26	0	
819	28	70.5	0.03	12.8	100.52	4	18.8	45.7	-14	-20	7	8	19	0.592	4.477	4.671	5.015	0	0	23	0	
778	21	70.5	0.02	12.48	100.38	4.1	18.8	45.7	6	7	-5	21	3	0.592	4.471	4.671	5.015	0	0	10	0	
793	14	70.5	0.02	12.64	100.52	4	18.7	46	-6	-30	13	-1	-4	0.592	4.477	4.671	5.01	0	0	25	0	
791	7	70.5	0.02	12.83	100.38	4	18.7	46	-2	11	-6	7	-10	0.592	4.477	4.671	5.015	0	0	-10	0	
782	4	70.9	0.02	12.77	100.79	4	18.7	46	4	-2	4	0	1	0.592	4.477	4.671	5.015	0	0	4	0	
766	1	70.6	0.02	12.26	100.38	4.1	18.7	46.2	0	-4	-3	0	-7	0.592	4.477	4.671	5.015	0	0	12	0	
759	1	70.6	0.02	12.8	100.79	4.1	18.6	46.2	0	-4	-3	2	-6	0.592	4.477	4.671	5.015	0	0	9	0	
756	1	70.6	0.02	12.73	100.66	4	18.6	46.2	3	-2	0	0	-1	0.592	4.477	4.671	5.015	0	0	6	0	
749	1	70.6	0.02	12.77	100.38	4.1	18.6	46.2	2	-3	3	1	1	0.592	4.477	4.671	5.01	0	0	10	0	
745	1	70.6	0.02	12.77	100.52	4.1	18.6	46.2	2	-5	5	1	2	0.592	4.477	4.671	5.015	0	0	7	0	
743	0	70.6	0.02	12.83	100.91	4	18.6	46.2	2	0	1	-2	3	-3	0.592	4.477	4.671	5.01	0	0	6	0
741	0	70.9	0.02	12.7	100.38	4	18.6	46.2	3	2	-3	1	-7	0.592	4.477	4.671	5.015	0	0	15	0	
743	0	70.9	0.01	12.8	100.66	4	18.6	46.2	3	-4	-1	-2	-2	0.592	4.477	4.671	5.015	0	0	7	0	
745	0	70.9	0.01	12.8	100.66	4	18.6	46.2	1	-1	0	2	-2	0.592	4.477	4.671	5.01	0	0	6	0	
745	0	70.9	0.02	12.8	100.66	4	18.5	46.5	0	1	-2	3	-2	0.592	4.477	4.671	5.01	0	0	-5	0	
749	0	71	0.02	12.77	100.52	4	18.5	46.5	1	1	-1	1	-3	0.592	4.477	4.671	5.015	0	0	6	0	
752	0	71	0.02	12.42	100.79	4	18.5	46.5	3	1	-1	2	-2	0.592	4.477	4.671	5.015	0	0	3	0	
750	0	71	0.02	12.7	100.38	4	18.5	46.5	-1	2	-1	2	-3	0.592	4.477	4.671	5.015	0	0	6	0	
749	0	71	0.01	12.83	100.79	4	18.5	46.5	4	-5	6	1	4	0.592	4.477	4.671	5.015	0	0	5	0	
746	0	71	0.02	12.73	100.38	4.1	18.5	46.5	2	-1	2	2	0	0.592	4.477	4.671	5.015	0	0	3	0	
740	0	71	0.02	12.73	100.26	4	18.5	46.7	2	2	-2	1	-6	0.592	4.477	4.671	5.015	0	0	11	0	
741	0	70	0.01	12.73	100.79	4	18.5	46.7	3	-5	-4	-2	-3	0.592	4.477	4.671	5.015	0	0	12	0	
740	0	70.9	0.01	12.7	100.26	4	18.5	46.9	4	-4	6	-3	-3	0.592	4.477	4.671	5.015	0	0	13	0	
742	0	70.6	0.02	12.77	100.66	4	18.5	46.9	-2	-1	0	1	2	0.592	4.477	4.671	5.015	0	0	-4	0	
748	0	70.9	0.02	12.7	100.26	4	18.5	46.9	0	0	-2	2	-6	0.592	4.477	4.671	5.01	0	0	1	0	
748	0	70.9	0.02	12.77	100.66	4	18.5	46.9	0	5	-2	2	-3	0.592	4.477	4.671	5.015	0	0	-5	0	
746	0	70.9	0.02	12.77	100.66	4	18.5	47	3	-3	5	-3	7	0.592	4.477	4.671	5.015	0	0	-1	0	
743	0	71	0.02	12.77	100.66	4	18.5	47	3	-6	5	1	5	0.592	4.477	4.671	5.015	0	0	4	0	
753	0	71	0.02	12.7	100.26	4.1	18.5	47	2	-5	5	1	3	0.592	4.477	4.671	5.015	0	0	0	0	
741	0	71	0.02	12.32	100.79	4	18.5	47	-1	2	0	3	-3	0.592	4.477	4.671	5.015	0	0	0	0	
745	0	71	0.02	12.01	100.79	4	18.5	47	0	0	0	1	-1	0.592	4.477	4.671	5.015	0	0	1	0	
747	0	71	0.01	12.7	100.26	4	18.5	47	1	0	0	2	-2	0.592	4.477	4.671	5.01	0	0	5	0	
743	0	70.6	0.01	12.7	100.38	4	18.5	47	0	3	-3	-1	-3	0.592	4.477	4.671	5.015	0	0	5	0	
746	0	70.6	0.01	12.77	100.38	4	18.5	47	0	2	0	0	-2	0.592	4.477	4.671	5.015	0	0	12	0	
1034	0	70.6	0.03	12.8	100.26	4	18.5	47	-1	-2	2	5	-1	1.654	3.443	4.236	5.015	0	0	222	0	
1218	0	70.9	0.08	12.77	100.52	4	18.5	47	0	-4	4	5	-5	1.6	3.506	4.324	5.015	0	0	314	0	
1254	0	70.6	0.12	12.73	100.12	4	18.5	47	0	-4	0	7	2	2.176	2.948	3.538	5.015	0	0	582	0	
1959	15	70.6	0.3	12.83	99.59	4	18.3	47.2	2	0	-3	0	1	1.906	3.204	3.89	5.015	0	0	1197	0	
1816	17	70.6	0.14	12.67	100.52	4	18.3	47.2	-2	2	1	-2	1	0.592	4.477	4.671	5.015	0	0	675	0	
1453	17	70.5	0.13	12.51	100.38	4	18.3	47.2	0	-3	0	5	-2	1.707	3.398	4.172	5.01	0	0	432	0	
1567	21	70.3	0.18	12.8	100.38	4	18.3	47.2	1	-3	1	2	-2	2.095	3.023	3.631	5.015	0	0	711	0	
1782	24	70.3	0.25	12.8	100.12	4	18.2	47.2	5	1	-2	-1	4	2.079	3.033	3.651	5.015	0	0	922	0	
2028	27	70.3	0.25	12.86	100	4	18.2	47.2	0	-2	4	-1	-1	0.98	4.102	4.677	5.01	0	0	1198	0	
1460	27	69.6	0.09	12.8	100.38	4	18.2	47.2	-2	2	0	-1	1	0.641	4.436	4.671	5.015	0	0	313	0	
1539	28	70	0.11	12.83	100.52	4	18.2	47.2	0	-4	1	2	1	1.621	3.483	4.281	5.015	0	0	572	0	
1470	30	70	0.16	12.23	100.52	4	18.2	47.5	-1	-7	-2	4	2	1.885	3.227	3.918	5.015	0	0	563	0	
1554	33	70	0.19	12.7	100.12	4.1	18.2	47.5	-1	-3	-5	2	-1	1.729	3.375	4.133	5.01	0	0	668	0	
1647	34	70	0.19	12.77	100.38	4	18.2	47.5	0	-1	-2	2	-1	1.551	3.545	4.374	5.01	0	0	733	0	
1712	36	69.6	0.19	12.83	100	4	18.2	47.5	1	1	-4	3	-1	1.514	3.579	4.408	5.01	0	0	782	0	
1751	37	70	0.18	12.58	1																	

1840	38	70.1	0.07	12.8	100.38	4	17.7	47.7	0	1	0	1	0	0.587	4.481	4.671	5.015	0	0	993	0
1775	37	70.1	0.08	12.86	100.26	4	17.7	47.7	1	-3	1	-1	1	0.921	4.158	4.671	5.01	0	0	902	0
1725	36	70.5	0.09	12.83	100.38	4	17.7	47.7	3	-5	1	0	1	1.018	4.067	4.677	5.015	0	0	859	0
1700	35	70.5	0.09	12.39	100.38	4	17.7	47.7	1	1	1	-1	-5	1.039	4.056	4.671	5.01	0	0	836	0
1672	35	70.3	0.08	12.83	100.26	4	17.7	47.7	2	-5	3	-1	1	1.039	4.051	4.671	5.015	0	0	799	0
1645	34	70.3	0.09	12.83	100.52	4	17.7	47.9	1	-9	2	0	2	1.088	4	4.677	5.026	0	0	792	0
1635	34	70.5	0.1	12.7	100.38	4	17.7	47.9	-1	-4	2	-2	2	1.065	4.021	4.671	5.01	0	0	751	0
1598	33	70.5	0.09	12.86	100.26	4	17.6	47.9	6	-11	5	-3	3	1.093	4	4.671	5.015	0	0	743	0
1592	32	70.5	0.08	12.7	100.38	4	17.6	46.7	0	-9	4	2	7	1.093	4.005	4.671	5.015	0	0	708	0
1568	33	70.5	0.1	12.86	100.26	4.1	17.5	47.9	4	-5	0	4	2	1.088	4.005	4.671	5.015	0	0	691	0
1558	32	70.5	0.1	12.86	100.26	4	17.5	48	0	-6	0	5	3	1.103	3.987	4.671	5.015	0	0	691	0
1572	33	70.5	0.1	12.73	100.38	4	17.5	48	0	-4	-1	0	4	1.098	3.987	4.671	5.015	0	0	701	0
1570	33	70.5	0.1	12.83	100.38	4	17.5	48	1	-4	-3	6	2	1.098	3.987	4.671	5.015	0	0	698	0
1580	33	70.5	0.1	12.83	100.52	4	17.3	48	4	-1	0	-2	2	1.082	4.011	4.671	5.01	0	0	679	0
1564	32	70.5	0.1	12.67	100.38	4	17.3	48	1	-6	1	2	2	1.098	3.987	4.671	5.015	0	0	694	0
1563	32	70.5	0.1	12.39	100.38	4	17.3	48	0	-6	2	2	2	1.082	4	4.677	5.01	0	0	692	0
1559	32	70.5	0.1	12.83	100.26	4	17.2	48	4	-6	0	0	2	1.082	4.005	4.671	5.015	0	0	683	0
1550	32	70.5	0.09	12.83	100.52	4	17.2	48.2	1	1	-3	2	3	1.098	3.993	4.671	5.01	0	0	675	0
1558	32	70.5	0.1	12.86	100	4	17.2	48.2	-3	-5	0	6	4	1.103	3.987	4.671	5.015	0	0	673	0
1551	32	70.5	0.09	12.83	100.26	4	17.2	48.2	-2	-3	0	4	5	1.108	3.983	4.671	5.015	0	0	683	0
1552	32	70.5	0.09	12.58	100.52	4	17.2	48.2	-1	3	-2	-2	3	1.093	3.993	4.671	5.015	0	0	670	0
1533	32	70.5	0.1	12.83	100.38	4.1	17.2	48.5	2	-9	-1	4	2	1.088	4	4.671	5.01	0	0	661	0
1534	31	69.3	0.1	12.8	100.26	4.1	17.1	48.4	-1	-6	2	1	0	1.077	4.005	4.671	5.015	0	0	656	0
1524	32	70.5	0.09	12.13	100.52	4	17.1	48.5	4	-4	-4	0	0	1.141	3.943	4.671	5.015	0	0	660	0
1538	31	70.5	0.1	12.86	100.52	4	17.1	48.5	-3	-4	-2	5	4	1.108	3.977	4.677	5.015	0	0	651	0
1524	32	70.5	0.1	12.07	100.52	4	17.1	48.4	3	-5	1	4	0	1.12	3.97	4.671	5.015	0	0	646	0
1546	32	70.5	0.1	12.73	100.26	4	17	48.4	2	-3	0	2	-2	1.12	3.97	4.671	5.015	0	0	654	0
1540	32	70.5	0.1	12.7	100.38	4	17.1	48.7	-1	-9	0	5	5	1.146	3.948	4.671	5.015	0	0	660	0
1545	32	70.5	0.1	12.2	100.52	4	17	48.7	0	-6	2	4	0	1.153	3.943	4.671	5.015	0	0	669	0
1550	32	70.5	0.11	12.55	100.26	4	17	48.7	1	-5	0	3	1	1.126	3.96	4.671	5.015	0	0	672	0
1566	33	70.5	0.1	12.86	100.52	4	16.8	48.7	2	-6	0	7	-2	1.12	3.977	4.671	5.015	0	0	670	0
1551	32	70.5	0.1	12.13	100.52	4	16.8	48.7	-1	-7	-2	7	10	1.115	3.977	4.671	5.02	0	0	679	0
1537	32	70.5	0.1	12.35	100.38	4	16.8	48.9	2	-4	3	3	4	1.115	3.977	4.671	5.015	0	0	668	0
1555	32	70.5	0.09	12.2	100.26	4	16.8	48.9	1	-3	2	0	0	0.948	4.125	4.677	5.015	0	0	687	0
1513	32	70.5	0.07	12.8	100.38	4.1	16.7	48.9	-1	-3	0	4	-1	1.06	4.027	4.671	5.015	0	0	638	0
1504	31	70.5	0.07	12.58	100.52	4	16.7	48.9	2	-3	-2	1	2	1.065	4.027	4.677	5.01	0	0	608	0
1488	30	70.5	0.08	12.8	100.52	4	16.7	48.9	-5	-3	-5	11	2	1.044	4.039	4.677	5.015	0	0	578	0
1453	30	70.5	0.07	12.86	100.38	4	16.7	49.2	0	-3	-7	5	2	1.018	4.072	4.671	5.01	0	0	592	0
1370	29	70.5	0.04	12.8	100.52	4	16.7	49	1	0	-2	-1	-1	0.592	4.477	4.671	5.015	0	0	493	0
1166	24	70.5	0.04	12.77	100.79	4	16.7	49	1	1	1	0	2	0.592	4.477	4.671	5.01	0	0	263	0
922	20	70.5	0.03	12.86	100.66	4	16.7	49	2	2	2	-5	2	0.592	4.477	4.671	5.015	0	0	30	0
825	17	70.9	0.02	12.83	100.79	4	16.6	49	3	13	-6	4	-4	0.592	4.477	4.671	5.01	0	0	-9	0
795	16	70.9	0.02	12.73	100.91	4	16.6	49	5	5	-2	21	0	0.592	4.477	4.671	5.015	0	0	0	0
885	14	70.9	0.02	12.77	100.66	4	16.6	49	1	-4	6	-1	3	1.103	3.987	4.671	5.015	0	0	225	0
1019	13	71	0.05	12.77	100.52	4	16.6	49	-5	2	-7	6	5	1.837	3.278	3.993	5.015	0	0	86	0
1236	16	71	0.14	12.7	100.38	4	16.6	49	0	-4	-2	7	-1	2.095	3.023	3.641	5.015	0	0	401	0
1491	20	71	0.16	12.77	100.52	4	16.6	49	2	-5	-3	5	1	1.394	3.698	4.579	5.01	0	0	620	0
1527	20	71	0.1	12.8	100.26	4	16.7	49	5	-5	7	-2	-5	0.867	4.21	4.671	5.015	0	0	736	0
1449	20	71	0.06	12.8	100.52	4	16.6	49	1	1	-2	3	-2	0.835	4.243	4.671	5.015	0	0	585	0
1296	17	71	0.04	12.77	100.52	4	16.6	49	1	1	1	0	2	0.592	4.477	4.671	5.015	0	0	391	0
1099	15	71	0.03	12.64	100.79	4	16.6	49.2	-4	2	1	2	6	0.684	4.39	4.671	5.015	0	0	179	0
884	11	71	0.03	12.77	100.66	4	16.5	49.2	2	-5	5	-5	4	1.098	3.993	4.671	5.015	0	0	17	0
845	11	71	0.04	12.8	100.79	4	16.5	49.2	0	-6	1	-3	-2	1.766	3.341	4.085	5.015	0	0	6	0
978	13	71	0.06	12.77	100.66	4	16.5	49.2	5	-2	7	2	-2	1.572	3.528	4.344	5.015	0	0	153	0
1172	15	71	0.09	12.77	100.52	4.1	16.5	49.2	-2	-8	4	4	2	1.255	3.829	4.671	5.015	0	0	271	0
1254	16	71	0.07	12.7	100.66	4.1	16.5	49.2	2	-7	5	4	-5	1.34	3.75	4.651	5.015	0	0	330	0
1299	17	71	0.08	12.77	100.38	4	16.5	49.2	2	-9	5	6	-2	1.314	3.772	4.671	5.015	0	0	362	0
1317	18	71	0.08	12.77	100.66	4	16.5	49.2	2	-7	2	2	-2	1.034	4.056	4.666	5.015	0	0	455	0
1294	17	71	0.06	12.77	100.66	4	16.5	49.5	1	-7	1	1	4	1.049	4.039	4.671	5.015	0	0	423	0
1266	16	71	0.06	12.45	100.66	4.1	16.5	49.4	6	-7	2	-2	1	1.039	4.051	4.671	4.993	0	0	321	0
1216	15	71	0.06	12.77	100.52	4	16.5	49.4	2	-5	6	3	-2	1.12	3.966	4.677	5.015	0	0	322	0
1130	15	71	0.05	12.73	100.52	4	16.3	49.4	-3	2	-8	3	6	0.592	4.477	4.671	5.015	0	0	255	0
858	12	71	0.03	12.7	100.79	4	16.3	49.4	6	7	-1	-7	-14	0.592	4.477	4.671	5.01	0	0	14	0
832	5	71	0.03	12.51	100.79	4	16.3	49.4	4	-6	2	-3	0	0.592	4.477	4.671	5.015	0	0	4	0
792	5	71	0.02	12.73	100.66	4	16.3	49.4	12	17	-3	-1	-19	0.592	4.477	4.671	5.015	0	0	6	0
781	1	71	0.02	12.73	100.91	4	16.3	49.4	2	-5	1	-1	1	0.592	4.477	4.671	5.015	0	0	17	0
738	1	71	0.02	12.64	100.79	4.1	16.3	49.4	-3	-4	-7	15	-4	0.592	4.487	4.671	5.01	0	0	-7	0
764	1	71	0.02	12.67	100.38	4.1	16.3	49.4	3	-8	2	-2	2	0.592	4.477	4.671	5.01	0	0	7	0
746	1	71	0.02	12.73	100.91	4.1	16.3	49.4	0	-4	-4	-2	-5	0.592	4.477	4.671	5.015	0	0	13	0
742	1	71	0.02	12.55	100.91	4.1	16.5	49.4	0	0	-3	0	-5	0.592	4.471	4.671	5.015	0	0	3	0
748	1	71																			