

NANOCOM - TD5 INSTRUMENTS - TD5 ENGINE input file

Engine spe	Road speed	Coolant te	Turbo pres	Battery vol	Ambient p	Air flow (g	Air inlet te	Fuel temp.
749	0	31.2	0	14.1	100.65	38.9	20.7	25
751	0	31.2	0	13.81	100.33	38.4	20.6	24.7
742	0	31.2	0	14.07	100.65	38.9	20.6	25
738	0	31.2	0	14.07	100.65	38.5	20.5	25
744	0	31.2	0	14.29	100.54	39.5	20.3	25.1
741	0	31.2	0	14.07	100.44	37.9	20.2	25.1
737	0	31.2	0	14	100.65	38.5	20.2	25.1
744	0	31.2	0	14	100.54	38.5	20.2	25.2
745	0	31.2	0	14.03	100.65	38.7	20	25
749	0	31.2	0	13.69	100.44	37.2	20	25.8
754	0	31.2	0	14.03	100.54	38.4	19.8	25.3
751	0	31.2	0	13.88	100.44	38.7	19.7	25.3
751	0	31.2	0	13.4	100.44	38.9	19.7	25.3
758	0	31.2	0	14.03	100.54	39.2	19.7	25.3
768	0	31.2	0	14.26	100.54	43	19.7	25.3
845	0	31.2	0	14.13	100.54	48.5	19.6	25.5
959	0	31.5	0.01	14.26	100.33	43	19.6	25.5
745	0	31.3	0	14.35	100.54	38.5	19.5	25.5
731	0	31.6	0	14.19	100.54	39.5	19.5	25.5
813	0	31.6	0	14.29	100.33	42.5	19.2	25.6
796	0	31.6	0.01	13.94	100.54	40.5	19.2	25.5
818	0	31.6	0	14.07	100.65	43.7	19.2	25.6
778	0	32.2	0	14.32	100.33	40.5	19.2	25.6
789	0	32.2	0	13.94	100.33	38.7	19.1	25.7
753	1	31.7	0	13.91	100.33	39.7	19	25.7
769	1	31.7	0	14.07	100.54	40	19	25.7
734	1	31.8	0	14.32	100.65	38.7	18.8	26
755	1	32	0	13.69	100.65	39.5	18.8	25.8
762	1	32	0	13.94	100.33	39	18.8	25.8
748	2	32	0	14.22	100.54	39	18.8	25.8
739	2	32	0	14.19	100.33	39	18.8	25.8
785	2	32	0	13.43	100.65	40	18.8	26
784	3	32	0	14.32	100.65	40.7	18.7	26.1
772	3	32.2	0	14.32	100.65	39.5	18.7	26.1
763	3	32.2	0	14.07	100.44	39.7	18.6	26.1
769	3	32.2	0	14.07	100.54	40.5	18.6	26.1
765	3	32.5	0	13.94	100.54	40.2	18.5	26.2
757	3	32.5	0	13.65	100.54	39	18.5	26.2
756	2	32.5	0	14	100.33	39	18.3	26.2
743	2	32.5	0	14.26	100.54	38.7	18.3	26.2
724	2	33	0	14.54	100.54	37.5	18.3	26.2
741	2	32.7	0	14.1	100.33	37.9	18.2	26.2
719	2	32.7	0	13.88	100.54	37.9	18.2	26.3
765	2	32.9	0	14.22	100.54	39.5	18.2	26.3
750	3	32.9	0	13.85	100.44	37.9	18.2	26.3
746	3	32.9	0	14.1	100.44	37.2	18.2	26.7
739	4	33	0	14.13	100.65	38.9	18.2	26.7

716	4	33	0	14.07	100.54	35.2	18.2	26.7
718	6	33.2	0	14.16	100.54	37	18.1	26.7
783	7	33.2	0	14.1	100.44	39.9	18.1	26.7
821	6	33.4	0	14.13	100.33	40	18.1	27.5
788	6	33.4	0	14.19	100.33	39.7	18.1	26.8
779	4	33.4	0	13.72	100.65	40	18	26.8
765	4	33.4	0	13.37	100.54	39.4	18	26.8
739	3	33.5	0	14	100.44	36.4	18	26.8
752	3	33.5	0	14.19	100.54	39	18	26.8
742	2	33.5	0	14.45	100.33	37.7	17.8	27
752	2	33.7	0	14.48	100.44	39.5	17.8	27
776	2	33.7	0	14.42	100.33	40.5	17.8	27.1
768	3	33.9	0	14.29	100.33	38.4	17.8	27.1
769	3	33.9	0	14.35	100.33	40.5	17.7	27.2
766	2	33.9	0	13.94	100.33	38.5	17.8	27.2
756	2	34	0	14	100.44	39.4	17.7	27.2
758	2	34	0	13.69	100.54	38.9	17.7	27.2
732	1	34	0	14	100.44	36.9	17.7	27.2
779	1	34	0	14.13	100.54	55.2	17.7	27.2
1082	0	34.2	0.03	14.22	100.33	62.5	17.7	27.5
1162	0	34.2	0.05	14.13	100.54	59.7	17.7	27.5
955	3	34.2	0.03	14.38	100.33	42	17.6	27.5
799	6	34.2	0.01	13.75	100.65	41	17.6	27.5
779	5	34.4	0	14.19	100.33	38.7	17.6	27.5
823	4	34.4	0	14.19	100.54	46.5	17.5	27.5
1191	4	35.2	0.03	14.42	100.33	66.4	17.5	27.5
1047	9	34.5	0.07	14.42	100.23	72.5	17.3	27.5
1553	15	34.5	0.15	13.18	100.12	104.5	17.3	27.7
1961	19	34.5	0.17	14.1	100.44	106	17.2	27.7
1113	18	34.5	0.03	13.88	100.44	59.5	17.2	27.7
1169	19	34.7	0.08	14.26	100.44	70	17.2	27.7
1395	24	34.7	0.22	14.42	100.23	94.9	17.2	27.7
1657	28	35	0.31	14.42	99.91	116.5	17.2	27.7
1789	30	35	0.2	14.07	100.23	110.4	17.2	27.8
1769	30	35	0.08	14.38	100.23	93.4	17.2	27.8
1599	27	35	0.04	14.26	100.33	85.6	17.1	27.8
1472	25	35	0.02	14.22	100.33	79.8	17.1	27.8
1367	24	35.2	0.02	14.29	100.33	70.9	17.1	28
1239	22	35.2	0.01	13.31	100.33	68.3	16.8	28
1142	19	35.2	0.01	14.38	100.44	58	16.8	28
1012	17	35.5	0.01	13.97	100.44	49.5	16.8	28
750	15	35.5	0	14.22	100.54	40	16.7	28.1
764	14	35.5	0	14.22	100.54	38.9	16.7	28.1
790	14	35.7	0	14.07	100.54	40	16.7	28.1
893	14	35.7	0.03	14.32	100.54	48	16.7	28.2
1022	17	35.7	0.07	14.03	100.54	58.5	16.7	28.2
1190	19	35.9	0.11	14.19	100.33	68	16.7	28.2
1326	23	35.9	0.1	13.78	100.33	73.3	16.7	28.3
1326	23	35.9	0.05	13.31	100.44	73.5	16.7	28.3
1349	23	36	0.05	14.38	100.44	69	16.7	28.3

1231	22	36.4	0.03	14.16	100.33	61.2	16.7	28.5
1054	18	36.4	0.01	14.22	100.44	51.7	16.7	28.5
704	15	36.4	0	14.42	100.54	37.5	16.7	28.6
754	12	36.5	0	14.38	100.65	38.2	16.6	28.6
756	9	36.7	0	14.07	100.33	36.5	16.6	28.7
742	9	36.7	0	14.03	100.33	43.5	16.6	28.7
913	9	36.7	0.01	14.29	100.54	51.4	16.6	28.7
864	12	37	0.04	14.48	100.44	45.7	16.5	28.7
869	14	37	0.02	14.26	100.54	46.2	16.5	28.7
932	15	37	0.02	14.42	100.33	47.2	16.5	28.8
935	16	37.2	0.01	14.42	100.54	46	16.5	28.8
859	14	37.5	0	14	100.54	42.2	16.3	28.8
756	12	37.4	0	14.38	100.54	38.9	16.3	28.8
753	5	37.5	0	14.54	100.65	39.7	16.3	28.8
752	2	37.5	0	14.1	100.33	39.2	16.3	29
748	1	37.5	0	14.32	100.65	38.7	16.3	29
753	1	37.7	0	13.31	100.44	38.2	16.3	29.1
786	1	37.7	0	14.26	100.33	41.4	16.3	29.1
1262	0	37.7	0.08	13.37	100.23	70.8	16.3	29.1
1252	0	37.7	0.19	14.32	100.12	80.1	16.3	29.7
1812	16	37.9	0.32	14.51	99.5	129.6	16.3	29.2
2332	22	38	0.67	14.16	99.7	191.8	16.3	29.2
1436	23	38	0.09	13.56	100.33	78	16.3	29.2
1481	25	38.2	0.2	13.53	100.12	96.9	16.5	29.2
1766	30	38.2	0.56	14.51	99.08	153	16.3	29.2
2144	37	38.2	0.99	14.29	97.41	223	16.5	29.3
2540	44	38.2	0.86	14.07	99.4	212.3	16.7	29.3
1581	44	38.4	0.1	14.48	100.12	88.4	16.8	29.5
1704	45	38.5	0.39	14.51	99.7	127.3	17.2	29.5
1830	48	38.5	0.74	14.42	99.4	168.6	17.2	29.5
1991	52	38.7	0.81	14.45	99.29	182.3	17.3	29.6
2069	55	38.9	0.68	14.57	99.4	174.3	17.6	29.6
2129	57	39	0.64	14.48	99.29	179	17.8	29.7
2199	59	39.2	0.67	14.38	99.91	178.8	18.1	29.7
1461	58	39.2	0.1	14.32	100.33	80.1	18.2	29.7
1493	56	39.4	0.12	13.88	100.23	87	18.3	29.7
1535	57	39.5	0.35	14.45	100.23	109.6	18.3	29.7
1572	59	39.7	0.43	14.48	99.91	113.8	18.3	29.6
1597	59	40	0.23	14.48	100.33	101.3	18.5	29.7
1574	58	40.2	0.13	13.31	100.33	88	18.5	30
1563	57	40.5	0.09	14.48	100.33	85.3	18.5	30
1511	56	40.5	0.07	14.07	100.54	82.4	18.3	30
1504	56	40.7	0.07	14.48	100.33	81.3	18.2	30
1462	55	41.2	0.07	13.46	100.44	80	18.2	30.1
1441	53	41.2	0.07	14.54	100.44	76.9	18.2	30.1
1414	52	41.5	0.06	14.38	100.44	76	18.1	30.2
1391	51	41.7	0.1	13.75	100.33	78.5	18.1	30.2
1410	52	42.7	0.22	14.19	100.23	86	18	30.2
1426	52	42.2	0.22	14.51	100.23	87.1	17.8	30.2
1437	53	42.5	0.22	13.65	100.33	88	17.7	30.2

1458	53	42.7	0.19	13.88	100.33	87	17.7	30.2
1451	53	42.7	0.1	14.42	100.33	80.3	17.7	30.3
1410	51	43	0.05	14.42	100.44	76.4	17.7	30.3
1383	51	43.2	0.06	14.51	100.54	74.9	17.6	30.3
1351	49	43.4	0.06	14.48	100.44	73.5	17.6	30.5
1333	49	43.5	0.08	14.48	100.33	75	17.5	30.5
1315	49	43.7	0.07	14.32	100.44	71.4	17.3	30.6
1272	47	43.7	0.04	14.51	100.54	67.6	17.3	30.6
1260	47	44	0.08	14.29	100.33	69.8	17.2	30.6
1275	47	44	0.17	14.54	100.44	75.6	17.2	30.7
1299	48	44.2	0.18	14.35	100.33	76.1	17.2	30.7
1302	48	44.2	0.12	13.21	100.44	73.5	17.1	30.7
1302	48	44.5	0.15	13.46	100.33	74.9	17.1	30.7
1311	48	44.5	0.16	13.59	100.33	75.1	17	30.7
1303	48	44.5	0.13	13.85	100.44	75.1	17	30.8
1311	48	44.7	0.09	14.45	100.33	72.6	16.8	29.8
1305	48	44.7	0.12	13.31	100.33	76.5	16.8	31
1326	49	44.7	0.18	14.42	100.44	79.5	16.8	31
1324	49	45.7	0.11	13.75	100.44	75	16.7	31.1
1306	48	45.2	0.1	14.6	100.54	71.4	16.7	31.2
1284	48	45.2	0.08	14.26	100.54	70.3	16.7	31.2
1268	47	45.2	0.08	13.59	100.44	69.8	16.7	31.2
1250	46	45.5	0.07	13.94	100.54	68.8	16.7	31.2
1231	46	45.7	0.05	14.38	100.54	62	16.7	31.2
1178	44	45.7	0.01	14.1	100.33	58.5	16.6	31.5
1047	38	45.7	0.01	14.03	100.44	51.5	16.6	31.5
717	33	46	0.01	14.42	100.54	37.2	16.5	31.6
751	25	46	0.01	14.29	100.54	36.7	16.5	31.6
753	17	46	0	14.29	100.33	37.7	16.5	31.6
743	11	46.2	0	14.45	100.65	38.5	16.3	31.6
747	5	46.2	0	14.26	100.33	38.2	16.3	31.6
748	2	46.2	0	14.29	100.54	38	16.3	31.6
739	2	46.5	0	13.72	100.33	41.2	16.3	31.8
1060	1	46.5	0.08	14.48	100.54	54.7	16.2	31.8
1202	8	46.5	0.1	14.42	100.33	68.8	16.2	31.8
1568	14	46.7	0.13	13.5	100.01	90.4	16.2	32
1818	17	46.9	0.15	14.16	100.23	101	16.2	32
1073	17	46.9	0.04	14.35	100.54	44.7	16.2	32
939	15	46.9	0.02	14.45	100.54	48	16.2	32.2
919	15	47	0.02	14.29	100.54	46.5	16.2	32.2
1035	17	47	0.07	14.26	100.44	57	16.1	32.2
1168	19	47	0.12	14.54	100.44	69	16.1	32.2
1376	23	47	0.22	14.35	100.23	91	16.1	32.2
1504	26	47	0.16	14.51	100.12	89.5	16.1	32.5
1531	26	47	0.12	14.51	100.23	89.1	16.1	32.5
1639	28	46.7	0.26	14.38	100.01	111.5	16	32.5
1839	31	47.2	0.42	14.19	99.5	139.8	16	32.5
1935	34	47.2	0.23	14.38	100.33	105.5	16	32.5
999	33	47.2	0.05	14.51	100.44	54.4	16.1	32.7
1217	31	47.5	0.05	14.32	100.44	66	16.1	32.7

1247	33	47.5	0.13	14.32	100.33	71.8	16.1	32.7
1251	33	47.5	0.07	14.48	100.33	68	16.1	32.7
1229	33	47.5	0.05	13.85	100.33	64.8	16	32.7
1227	31	47.7	0.07	13.59	100.44	67.4	16	32.9
1249	33	47.7	0.1	14.07	100.33	69.6	16	32.9
1298	34	47.7	0.11	14.54	100.33	73.9	16	33
1327	35	47.9	0.12	14.45	100.33	76.6	16	33
1383	36	47.7	0.13	13.21	100.33	77.6	15.8	33.2
1451	38	48	0.17	14.57	100.23	87.5	15.8	33.2
1507	39	48	0.15	14.51	100.33	88	16	33.2
1538	40	48.2	0.11	14.54	100.33	87.1	15.8	33.2
1550	41	48.2	0.11	14.35	100.33	88.6	15.8	33.2
1598	42	48.2	0.11	13.27	100.12	89.9	15.8	33.2
1608	42	48.5	0.1	14.48	100.33	90.6	15.8	33.4
1578	42	48.7	0.08	13.4	100.23	89.9	15.8	33.5
1570	41	48.7	0.1	14.35	100.23	92	15.8	33.5
1597	42	48.9	0.12	14.35	100.23	90.6	15.8	33.5
1540	40	49	0.06	14.57	100.33	85.3	15.6	33.5
1514	39	49	0.04	13.94	100.44	80.5	15.6	33.5
1465	39	49	0.05	14.19	100.44	82.3	15.6	33.7
1454	38	49.2	0.06	14.57	100.33	79.4	15.6	33.7
1429	38	49.2	0.08	14.48	100.33	81.5	15.6	33.7
1445	38	49.2	0.12	14.6	100.33	84.9	15.6	33.7
1518	40	49.2	0.22	14.35	100.23	98.5	15.6	34.2
1617	42	49.2	0.28	13.59	100.23	107.1	15.6	34
1684	45	49.2	0.3	14.45	100.01	115	15.5	34
1788	47	49.5	0.4	13.81	99.91	129.1	15.6	34
1833	49	49.5	0.3	13.75	100.12	121.6	15.6	34
1863	49	49.5	0.31	14.54	99.91	126.9	15.6	34
1954	51	49.5	0.75	14.35	98.87	182.3	15.6	34
2117	56	49.5	1.03	14.26	98.15	215.1	15.8	34
2281	60	49.7	1.04	14.42	97.83	227.8	16	34.2
2288	62	49.7	0.43	14.42	100.01	137.5	16.3	34.2
1658	60	49.7	0.09	14.35	100.44	88.1	16.7	34.2
1588	59	50	0.3	13.62	100.12	109.1	17	34.4
1622	60	50	0.54	14.35	100.23	123.8	17.1	34.4
1616	60	50.2	0.28	14.1	100.33	101.9	17.2	34.4
1508	57	50.4	0.11	14.22	100.44	85.1	17.3	34.5
1479	55	50.5	0.04	14.1	100.44	76.4	17.3	34.5
1399	51	51.2	0.03	14.42	100.33	72.8	17.3	34.5
1313	49	51	0.02	14.57	100.33	67.4	17.3	34.5
1224	46	51.2	0.01	14	100.33	62.5	17.2	34.5
1112	40	51.4	0.01	13.65	100.33	53.9	17.2	34.7
724	35	51.4	0.01	14.42	100.54	36.2	17.2	34.7
850	28	51.7	0	14.29	100.54	48.2	17.2	34.7
718	18	51.7	0.01	14.38	100.54	33	17.1	35
726	7	52	0	13.31	100.33	35.5	17	34.7
765	3	52	0	14.16	100.33	36.5	17	35
761	3	52.2	0	14.48	100.54	37.4	16.8	35
754	3	52.2	0	14.51	100.54	37.7	16.8	35

754	3	52.5	0	14.13	100.44	37.7	16.8	35
749	3	52.5	0	14.16	100.54	37	16.7	35
749	0	52.5	0	14.16	100.33	38.2	16.7	35
742	0	52.7	0	14.19	100.54	38.2	16.7	35.2
750	0	52.7	0	14.19	100.33	36.9	16.7	35.2
744	0	52.9	0	14.29	100.54	37	16.7	35.2
748	0	53	0	14.38	100.44	35.5	16.7	35.4
746	0	53	0	14.29	100.54	36	16.7	35.4
746	0	53.2	0	14.07	100.44	37.2	16.6	35.5
749	0	53.2	0	13.94	100.33	36.9	16.5	35.5
744	0	53.2	0	14.03	100.33	37.5	16.5	35.5
741	0	53.2	0	14.64	100.33	37.5	16.5	35.5
1204	0	54.7	0.06	14.45	100.23	71.5	16.5	35.7
1261	0	53.5	0.08	14.42	100.44	59.7	16.3	35.7
814	7	53.4	0.03	14.45	100.44	42.2	16.3	35.7
780	7	53.5	0.01	14.32	100.54	39.2	16.2	35.7
777	4	53.5	0.01	14.07	100.33	38.9	16.2	35.7
766	2	53.5	0	14.07	100.33	38.7	16.2	35.9
757	2	53.5	0	14.42	100.44	37.7	16.2	35.9
759	2	53.5	0	13.37	100.33	37.7	16.2	36
756	2	53.5	0	13.97	100.54	38	16.2	36
753	2	53.5	0	13.56	100.33	36.4	16.2	36
743	2	53.5	0	14.16	100.54	36.2	16.1	36.2
746	0	53.5	0	14.07	100.44	37	16.1	36.2
744	0	53.5	0	14.32	100.54	36.7	16.1	36.4
741	0	53.5	0	14.42	100.54	34.9	16.1	36.2
744	0	53.5	0	14.03	100.33	36.2	16	36.4
736	0	53.5	0	13.72	100.33	35.7	16	36.4
740	0	53.5	0	14.22	100.54	35.5	16	36.5
745	0	52.7	0	14.03	100.54	36.9	16	36.5
738	0	53.5	0	14.13	100.54	37.2	16	36.5
734	0	53.7	0	13.85	100.44	34.9	15.8	36.7
723	0	53.7	0	14.16	100.54	34.4	15.8	36.7
727	0	53.7	0	14.1	100.54	35.2	15.8	36.7
752	0	53.7	0	13.46	100.33	38	15.8	36.7
753	0	53.7	0	13.97	100.44	38.2	15.8	36.7
752	0	53.7	0	14.22	100.33	37.7	15.8	37
739	0	53.7	0	14.16	100.54	36.2	15.8	37
742	0	53.7	0	13.97	100.54	36.7	15.8	37
736	0	53.7	0	13.97	100.54	35.2	15.8	36.7
723	0	53.2	0	14.22	100.33	36.9	15.6	37
739	0	53.7	0	14.03	100.33	37.4	15.6	37
758	0	53.7	0	13.91	100.44	37.2	15.6	37.5
755	0	53.7	0	14.29	100.54	38	15.6	37.4
752	0	53.7	0	14.03	100.54	37.5	15.6	37.4
737	0	53.7	0	14.19	100.54	37.2	15.6	37.4
729	0	53.7	0	14.26	100.65	36.7	15.6	37.5
732	0	53.7	0	14.13	100.54	36.2	15.6	37.5
745	0	53.7	0	14.26	100.33	54.5	15.6	37.5
932	0	53.7	0.01	14.29	100.33	53.5	15.6	37.5

1489	0	53.7	0.09	14.54	100.23	85.6	15.6	37.5
1471	0	53.7	0.29	14.07	100.12	100.3	15.6	37.5
1865	17	53.7	0.59	13.62	98.36	171	15.5	37.5
2710	26	53.7	0.9	14.48	98.76	235.6	15.6	37.5
1793	29	53.7	0.17	13.69	100.12	92.5	15.8	37.7
1795	30	53.7	0.51	14.45	99.08	150.5	16	37.7
2166	37	53.7	1.03	14.45	97.62	227.6	16.2	37.7
2545	44	53.7	1.08	14.13	96.9	258.8	16.3	37.7
2133	46	53.7	0.22	14.29	100.12	113.5	16.7	37.7
1670	45	53.7	0.21	14.42	100.01	108.8	17.1	37.7
1796	47	53.7	0.66	14.1	99.4	157.3	17.3	37.9
1943	51	53.7	0.91	14.51	98.76	189.6	17.5	38
2106	56	53.7	1.03	14.16	98.45	214.6	17.7	38
2266	60	54	1.06	14.38	97.94	226	18.1	38
2405	63	54	1.07	14.32	97.41	241.8	18.5	38
2552	68	54.2	0.9	14.48	99.19	220.6	19	38
1811	67	54.5	0.15	14.48	100.12	97.5	19.6	38.5
1773	66	54.5	0.34	14.32	99.8	124.5	19.7	38.4
1827	68	55	0.83	14.38	99.4	171.1	20	38.4
1910	71	55	0.89	14.42	98.87	178.3	20.2	38.4
1982	73	55.5	0.97	14.48	98.76	194.3	20.3	38.4
2036	75	55.5	0.92	14.48	99.4	195.1	20.6	38.4
2098	78	55.9	0.7	13.85	99.5	173.5	20.7	38.4
2096	78	56	0.49	14.32	99.59	150.6	21.1	38.4
2105	78	56.2	0.64	14.16	99.08	175.8	21.2	38.4
2170	81	56.2	1.08	14.54	98.45	221.6	21.3	38.4
2262	83	56.2	1.03	14.54	98.76	221.8	21.5	38.4
2279	85	56.7	0.68	14.26	99.08	186.8	21.8	38.5
2314	86	56.9	1.01	13.12	98.15	230.6	22.1	38.5
2381	89	57	1.06	14.51	98.04	235.6	22.2	38.5
2450	91	57.5	0.81	14.54	98.98	214.1	22.7	38.5
1868	91	57.7	0.19	14.48	100.23	95.5	23	38.5
1832	89	58	0.22	14.35	100.23	111.9	23.2	38.5
1817	88	58	0.35	14.57	100.01	121	23.2	38.5
1804	88	58.4	0.29	14.6	100.33	113.6	23.2	38.7
1779	85	58.5	0.25	14.42	100.01	113.6	23.2	38.7
1772	85	58.7	0.3	14.19	100.33	113.1	23.1	38.7
1747	84	59	0.31	14.57	100.12	113.5	22.8	38.7
1744	84	59.2	0.3	14.51	100.33	111	22.7	38.7
1732	84	59.5	0.31	14.42	100.01	113	22.5	38.7
1719	83	59.5	0.33	13.31	100.12	115	22.3	38.7
1721	83	59.7	0.42	14.54	100.23	119.3	22.2	38.7
1723	83	59.7	0.44	14.57	100.12	121.8	22.1	38.7
1720	83	60.2	0.44	14.16	99.91	123.6	22	38.9
1719	83	60.2	0.45	14.54	100.33	120.5	21.8	38.9
1695	82	60.5	0.13	14.13	100.44	92.9	21.7	38.9
1627	79	60.7	0.06	13.34	100.54	84.9	21.6	38.9
1565	75	60.9	0.05	14.42	100.54	83.5	21.5	39
1532	73	61	0.11	14.57	100.33	84.4	21.2	39
1508	72	61.2	0.17	14.48	100.23	88.1	21.1	39

1504	72	61.4	0.26	14.26	100.33	92.8	20.8	39
1498	72	60.7	0.26	14.42	100.33	93.9	20.7	38
1492	72	60.7	0.26	14.54	100.44	93.9	20.6	39.2
1487	72	61.5	0.26	14.54	100.12	92	20.6	39.2
1484	72	61.5	0.23	14.29	100.33	86.4	20.3	39.2
1451	70	61.7	0.06	14.1	100.54	76	20.2	39.2
1397	68	62	0.05	14.29	100.44	73.1	20.1	39.2
1361	66	62.2	0.09	13.08	100.54	72.8	19.8	39.4
1350	64	62.2	0.19	14.26	100.44	83.5	19.7	39.4
1366	66	62.2	0.37	14.26	100.23	96.5	19.7	39.4
1378	66	62.5	0.37	14.45	100.33	92.6	19.7	39.5
1401	67	62.7	0.41	14.42	100.33	97.4	19.6	39.5
1416	68	62.7	0.45	14.51	100.01	101.4	19.5	39.5
1428	69	62.9	0.48	14.42	100.33	107.6	19.5	40.2
1457	70	62.9	0.5	14.57	100.23	107.6	19.2	39.9
1470	71	63	0.5	14.38	100.12	110.8	19.2	39.9
1494	72	63.2	0.52	14.48	100.23	115	19.2	39.9
1506	72	63.4	0.52	14.42	100.23	112.6	19.2	40
1524	73	63.5	0.52	13.12	100.12	113.1	19.2	40.2
1534	74	63.7	0.46	14.6	100.33	113.5	19.2	40
1522	73	64	0.3	14.19	100.54	95.9	19.2	40
1521	73	64	0.31	14.54	100.12	100.1	19.2	40
1528	74	64.3	0.53	13.05	100.23	120	19.2	40
1553	75	64.5	0.64	13.75	100.12	128.3	19.2	40
1572	75	64.6	0.67	14.51	100.12	129.1	19.2	40
1597	77	65	0.69	13.46	100.12	134.3	19.2	40.2
1616	79	65	0.7	14.45	99.8	136.3	19.2	40.2
1636	79	65.3	0.64	13.62	99.7	129.6	19.3	40.2
1643	80	65.3	0.58	14.51	100.23	128.3	19.5	40.5
1654	80	65.5	0.51	13.65	100.01	123.6	19.6	40.5
1658	80	65.8	0.53	13.97	100.33	123.3	19.6	40.5
1667	81	66	0.56	14.51	100.33	128.6	19.6	40.5
1669	81	66	0.56	13.88	100.23	128.5	19.6	40.5
1674	81	66.1	0.56	14.38	100.23	128.3	19.7	40.5
1677	81	66.3	0.57	14.54	99.7	129.5	19.7	40.7
1690	81	66.5	0.62	14.29	99.8	135.6	19.7	40.7
1704	82	66.6	0.76	13.59	99.91	147.8	19.7	40.7
1713	83	66.9	0.79	14.51	99.7	150.5	19.8	40.7
1734	83	66.9	0.82	13.78	99.5	155.6	20	40.7
1748	84	67.1	0.84	14.42	99.4	158.1	20.2	41
1753	85	67.1	0.66	14.1	100.01	142.3	20.2	41.7
1760	85	67.5	0.73	13.59	99.91	152.6	20.3	41
1780	85	67.8	0.86	12.99	99.59	161.5	20.6	41
1798	86	67.8	0.89	14.51	99.7	167.3	20.6	41
1808	88	68	0.82	13.75	99.91	157.6	20.8	41
1812	88	68.1	0.66	14.51	99.5	147.8	21	41
1819	88	68.4	0.71	14.48	99.8	154.3	21.2	41.2
1827	88	68.6	0.89	13.18	99.4	171.3	21.3	41.2
1838	89	69	0.93	13.91	99.5	174.3	21.5	41.2
1853	90	69	0.94	14.48	99.59	176.1	21.5	41.2



1867	90	69	0.93	14.57	99.7	175	21.7	41.2
1874	91	69.4	0.81	14.22	99.5	165	22	41.2
1872	91	69.5	0.79	14.03	99.4	163.8	22.2	41.5
1881	91	69.5	0.8	13.91	99.29	165.6	22.2	41.5
1882	91	69.8	0.86	14.54	99.5	177.3	22.3	41.5
1902	92	70.1	0.96	13.81	98.98	182.3	22.7	41.5
1915	93	70.5	0.95	14.54	99.5	178.3	22.8	41.7
1919	93	70.5	0.83	14.48	99.29	169.5	23	41.7
1917	92	70.9	0.93	14.48	99.29	180.3	23.2	41.7
1924	93	71	0.92	14.45	99.19	174.8	23.3	41.7
1937	93	71.3	0.57	13.94	99.8	140	23.6	41.7
1897	92	71.5	0.4	13.34	100.12	132.8	23.7	41.7
1871	90	71.8	0.43	13.97	99.91	131.6	23.7	42
1860	90	72	0.47	14.51	99.91	134.8	23.7	42
1841	89	72.3	0.55	14.48	99.8	139.3	23.7	42
1845	89	72.5	0.61	14.42	99.59	147.1	23.6	42.2
1839	89	72.5	0.76	14.32	99.59	161.1	23.6	42
1855	90	72.6	0.87	14.54	99.59	169.5	23.5	42.2
1858	90	72.9	0.83	14.48	99.08	165	23.5	42.2
1859	90	73.1	0.77	14.57	99.59	158.8	23.6	42.5
1867	90	73.1	0.79	14.42	99.4	167.8	23.6	42.5
1865	90	73.1	0.88	14.57	99.5	169.3	23.7	42.5
1846	90	73.4	0.8	13.94	99.8	163	23.7	43.2
1864	90	73.5	0.75	14.1	99.7	159.8	23.7	42.7
1840	90	73.9	0.75	14.48	99.5	155.1	23.8	42.7
1831	89	74	0.75	13.88	99.8	153.8	23.8	42.7
1815	88	74.3	0.61	14.45	99.91	135.3	24	43
1763	84	74.3	0.16	13.81	100.33	100.8	24	42.9
1704	82	74.5	0.2	13.97	100.33	98.6	24	43
1656	80	74.6	0.33	14.54	100.12	109.1	23.7	43
1646	80	75	0.5	14.42	100.01	124.5	23.7	43
1637	79	75	0.68	14.19	99.59	135.8	23.6	43.2
1633	79	75.1	0.74	14.48	99.59	138.3	23.2	43.2
1636	79	75.6	0.75	14.45	99.59	137.6	23.2	43.4
1629	79	75.5	0.75	14	99.7	141	23.2	43.4
1622	79	75.9	0.75	14.38	99.59	138.6	23.2	43.4
1620	79	75.8	0.75	14.45	99.59	138.6	23.2	43.5
1616	78	75.9	0.75	14.38	99.5	137.3	23.2	43.5
1617	78	76.4	0.75	13.65	99.91	138	23.2	43.5
1624	78	76.4	0.76	14.19	99.91	138.6	23.2	43.5
1625	79	76.5	0.76	13.78	99.8	137.3	23.2	43.7
1620	79	76.8	0.76	13.78	99.8	138.1	23.2	43.7
1639	79	77	0.77	14.42	99.29	139.6	23.2	43.7
1637	79	77	0.77	14.48	99.7	141.3	23.2	44
1648	80	77.5	0.78	14.48	99.5	143.8	23.2	44
1662	80	77.6	0.79	13.02	99.29	144.5	23.2	44.2
1673	81	80.3	0.8	14	99.8	146.5	23.3	44.2
1666	81	78	0.48	14.54	99.91	116	23.5	44.2
1643	79	78.1	0.29	14.42	100.12	100.8	23.5	44.2
1635	79	78.1	0.36	14.51	100.01	110.8	23.5	44.2

1618	78	78.5	0.48	13.34	99.59	114	23.2	44.5
1609	78	78.5	0.35	14.32	99.7	105.5	23.2	44.5
1588	77	78.5	0.25	13.62	100.12	94.6	23.2	45.2
1561	75	79	0.21	14.42	100.12	90.4	23.1	44.7
1542	74	79	0.17	14.51	100.01	89	23	44.7
1529	73	79.3	0.15	13.24	100.01	86.9	22.7	44.7
1513	73	79.3	0.16	14.64	100.12	84.5	22.7	44.7
1504	72	79.5	0.16	14.57	100.12	86.1	22.3	45
1498	72	79.8	0.15	14.48	100.12	85.1	22.2	45
1497	72	79.8	0.14	14.45	100.12	84.8	22.1	45
1492	72	79.8	0.14	14.54	100.12	83.8	22	45
1494	72	79.8	0.19	14.48	100.01	88.5	21.7	45.2
1506	72	80	0.28	13.27	100.01	95	21.6	45.2
1467	72	79.9	0.14	14.42	100.01	83	21.5	45.5
1476	71	80	0.06	14.1	100.01	77.5	21.3	45.4
1415	68	80	0.04	14.19	100.12	71.8	21.2	45.5
1304	62	80	0.04	14	100.23	62	21	45.7
716	57	80.3	0.02	14.19	100.54	35.9	20.7	45.7
724	49	79.5	0.01	14.29	100.12	34.5	20.7	45.7
1030	41	80.3	0	14.29	100.12	59.5	20.6	46
1434	38	80.3	0.02	14.26	100.12	73.6	20.5	45.9
1352	36	80.3	0.03	14	100.12	69.5	20.3	46.2
1296	34	80.3	0.03	14.19	100.01	66.8	20.2	46.2
1032	29	80	0.03	14.48	100.12	43.5	20	46.2
715	24	80	0.01	14.19	100.12	35.7	19.8	46.5
728	18	80	0.01	14.29	100.23	33.4	19.7	46.5
732	14	80	0.01	14.42	100.23	34	19.7	46.5
738	12	80	0.01	14.29	100.33	33.7	19.7	46.7
807	13	80.3	0.01	14.1	100.33	45.2	19.6	46.9
1007	14	79.9	0.03	14.26	100.12	45.7	19.5	46.9
1074	17	80	0.06	14.51	100.12	57.5	19.5	47
1250	20	80	0.12	13.15	100.01	72.4	19.2	47
1390	24	79.9	0.1	14.38	100.01	78.3	19.2	47.2
1432	24	80	0.05	14.26	100.01	68	19.1	47
1228	20	79.9	0.03	13.85	100.23	62	19	47.2
814	15	79.9	0.02	14.13	100.44	35	18.8	47.5
720	8	79.9	0.01	14.1	100.33	35.4	18.8	47.5
729	5	79.9	0.01	14.19	100.44	35.7	18.7	47.7
730	2	79.9	0.01	14.48	100.44	36	18.7	47.9
749	1	79.9	0.01	14.48	100.12	36	18.6	47.9
822	1	78.9	0.03	13.62	100.01	48.9	18.6	48
945	0	79.5	0.09	13.34	99.91	56	18.5	48
1625	15	79.5	0.4	14.48	98.87	133.5	18.5	48.2
2604	25	79.5	1.08	14.45	96.48	270.2	18.3	48.2
3501	34	79.5	0.99	14.38	97.83	320	18.6	48.2
2578	39	79.1	0.39	14.32	98.98	136.8	19.2	50.4
2324	40	79.3	1.08	14.03	98.04	243.5	19.3	48.7
2487	44	79.3	0.47	14.32	99.4	171.1	19.7	48.7
2359	41	79.3	0.27	14.45	99.29	148	20.1	48.7
2274	39	79.3	0.26	14.45	99.4	143.8	20.2	48.9

2242	38	79.3	0.32	14.45	99.59	146.5	20.5	49.7
2215	38	79.3	0.32	14.35	99.5	146.5	20.5	49
2242	38	79.3	0.38	13.85	99.08	153.3	20.5	49
2294	39	78.5	0.4	14.35	99.19	158.3	20.6	49
2314	40	79.3	0.38	14.35	99.08	159.8	20.6	49.2
2367	40	79.3	0.44	14.45	98.76	169.5	20.6	49.2
2584	45	79.3	1.11	13.46	96.58	265.1	20.6	50.2
2988	51	79.5	1.01	13.43	95.86	281.7	20.7	49.5
3364	58	79.4	0.95	14.22	94.5	296.2	21.2	49.5
3654	63	79.4	0.87	14.32	94.61	299.8	21.7	50.4
3939	69	79.4	0.82	13.81	94.81	306.2	22.2	49.7
4215	73	79.5	0.95	14.51	93.98	336.8	23	49.7
4297	77	79.5	0.54	14.32	98.15	238.6	23.7	49.7
2998	77	79.5	1.04	14.48	96.37	281.2	24.6	50.2
3012	80	79.8	0.99	14.38	96.26	270.2	25.2	50
3156	84	80	1.01	14.38	96.26	286.2	25.7	50
3306	88	80	0.97	14.32	95.33	288.8	26.2	50
3427	91	80.5	0.96	14.26	95.75	293.2	27	50.2
3548	94	80.5	0.96	14.29	95.33	302.2	27.5	50.2
3621	96	79.5	0.97	14.42	95.44	311.2	28	51.4
3700	99	83	0.98	14.35	95.65	310.3	28.7	50.5
3766	100	81.5	0.98	13.91	95.23	317.1	29.2	50.5
3836	102	81.8	0.99	14.48	95.55	324.7	29.7	50.5
3878	103	82	0.99	14.38	95.01	326.8	30.2	50.5
3918	105	82.5	1.01	13.97	94.61	329.8	30.7	50.5
3979	105	83	1.01	14.32	94.91	329.8	31.2	50.7
4008	106	83	1.02	13.46	95.01	338.2	32	50.7
4042	108	83	1.01	14.13	95.01	325.3	32.5	50.7
4075	108	83.3	0.99	14.13	95.23	337	33	51.7
4109	110	83.5	0.66	14.32	98.76	245.6	33.5	50.9
2986	108	83.5	0.85	13.37	97.3	245.6	34	50.9
2851	106	83.9	1.09	14.32	96.69	269	34.2	50.9
2854	106	83.9	0.92	13.4	97.2	240.8	34.4	52.5
2865	107	84.5	1	14.26	96.79	250.6	34.4	51
2880	107	84.5	1.01	14.19	97.51	257.3	34.5	51
2887	107	84.8	1.02	14.19	97.41	257	34.5	51
2943	108	85	0.82	13.85	97.73	234.1	34.5	51
2822	105	85.4	1.06	14.26	97.41	256	34.5	51
2806	105	85.4	0.95	14.45	98.04	244.6	34.5	51.2
2801	104	85.4	0.89	14.26	98.15	239.6	34.5	51.2
2777	104	85.8	1.06	14.07	97.2	255.3	34.5	51.2
2789	104	85.8	1.06	13.91	97.41	255.3	34.4	51.2
2803	105	86	0.96	14.19	98.04	237.6	34.4	51.2
2795	104	86	0.83	14.07	98.36	227	34.4	51.4
2735	102	86.3	0.79	14.48	97.94	221	34.4	51.4
2687	100	86.3	0.78	14.16	98.04	215.5	34.4	51.5
2627	97	86.3	0.73	14.45	98.45	207.6	34.2	51.5
2566	95	86.3	0.72	14.22	98.15	201.3	34	51.7
2499	93	86.3	0.49	14.26	99.29	170.6	34	51.7
2439	90	86.1	0.39	13.78	99.4	158.1	33.7	51.7

2343	86	86.3	0.29	14.45	99.91	141.3	33.5	51.7
2218	82	86.3	0.16	14.32	100.01	122.8	33	52
2110	79	86.3	0.13	14.19	100.01	115	32.7	52
2001	74	86.3	0.11	14.26	100.01	108.1	32.2	52
1900	71	86.3	0.1	14.19	100.01	102.5	31.8	52.2
1790	67	86.1	0.09	14.38	100.23	88.6	31.3	52.5
1025	62	86.1	0.05	14.16	100.33	48.2	31	52.5
2015	55	86.1	0.04	14.38	99.91	105	30.6	52.5
1782	47	85.9	0.08	14.19	100.01	92	30.2	52.7
1489	39	85.9	0.06	13.97	100.12	74.5	29.7	52.9
854	33	85.9	0.04	14.29	100.33	34	29.3	53
1033	29	85.5	0.01	14.29	100.12	59.9	29.1	53
1505	26	85.8	0.08	13.85	100.01	86.9	28.7	53.2
1751	29	85.5	0.32	13.72	99.19	125	28.3	53.2
2059	35	85.5	0.71	13.5	98.76	178	28.1	53.5
2257	39	85.5	0.62	14.19	98.76	176.6	27.7	53.5
2372	40	85.1	0.68	14.19	98.04	195.1	27.6	53.5
2553	44	85.1	1.1	14.16	96.79	249.6	27.5	53.5
2835	49	85.1	1	14.42	96.16	270.2	27.3	53.7
3112	53	85.1	0.98	14.29	95.86	281.2	27.5	53.9
2477	55	85.1	0.34	14.19	99.59	138.1	27.7	54
2051	55	84.9	0.89	14.32	98.45	195.8	27.8	54.2
2187	58	85	1.06	14.13	98.25	216.6	28	54.2
2319	61	85	1.08	14.42	97.73	231.1	28.1	54.5
2445	64	85	1.08	14.26	97.41	238.5	28.3	54.5
2567	68	85	1.08	14.42	97.2	245.6	28.7	54.5
2681	71	85.4	1.08	14.26	96.79	252.6	29	54.7
2803	74	85.4	1.03	14.48	97	258.3	29.2	54.7
2923	78	85.1	1.03	13.34	96.58	262.7	29.7	55.5
3034	81	85.1	1.01	14.32	96.37	269.1	30.1	55.2
3134	83	85.8	1.01	13.78	96.26	278.8	30.5	55.2
3234	85	82.1	0.99	14.26	97	283.7	30.8	55.2
2484	85	85.8	0.35	13.94	99.29	141	31.2	55.4
2292	85	85.8	1.08	13.56	98.04	233.5	31.6	55.5
2351	88	85.8	1	14.51	98.55	217.6	31.7	55.5
2422	90	86	1.05	14.48	97.94	227.6	31.7	55.5
2476	92	86	0.99	14.32	98.04	224.1	31.8	55.5
2507	93	86	0.89	14.13	98.36	218.6	32	55.7
2529	94	86	0.81	13.53	98.36	209.1	32	55.7
2533	94	86	0.87	14.26	98.25	213.8	32.2	55.9
2539	95	86.3	0.85	14.26	98.36	215.8	32.2	55.9
2545	95	86.3	0.84	14.07	98.25	213.8	32.2	55.9
2552	95	86.3	0.8	13.78	98.55	210.6	32.2	55.9
2547	95	86.3	0.79	14.42	98.45	208.3	32.2	56
2538	94	86.5	0.77	14	98.15	207.6	32.2	56
2532	94	86.4	0.84	13.72	98.15	216.6	32.2	56
2534	94	86.5	0.91	13.91	98.25	223.6	32.2	56
2555	95	86.5	0.92	14.35	98.25	225.5	32.2	56
2569	95	86.5	0.93	14.26	97.51	228.5	32.2	56
2589	96	86.4	0.94	14.38	99.29	217.6	32.2	56.2

1846	95	86.4	0.2	14.38	100.01	112	32.4	56.2
1938	93	86.4	0.35	14.42	99.91	127.5	32.2	56.2
1937	94	86.4	0.72	14.45	99.4	161.3	32.2	56.2
1947	94	86.4	0.8	14.51	99.4	168	32	56.4
1960	94	86.4	0.79	14.29	98.98	166.3	31.7	56.4
1957	94	86.4	0.83	14.42	99.4	170.3	31.7	56.4
1968	95	86.5	0.89	13.46	99.29	177.3	31.6	56.5
1969	95	86.5	0.87	14.38	99.19	178.8	31.2	56.5
1971	95	86.4	0.87	14.42	99.19	176.8	31.2	56.5
1966	95	86.5	0.87	14.16	98.98	174.3	31.2	56.7
1974	95	86.5	0.87	13.94	99.29	173.5	31	56.5
1968	95	86.5	0.88	14.35	99.19	174.3	31	56.7
1977	95	86.4	0.85	14.32	99.19	174.3	31	56.7
1975	95	86.4	0.86	14.26	99.08	173.3	31	56.7
1981	96	86.5	0.86	14.54	99.29	175.8	30.8	56.7
1978	95	86.9	0.88	14.38	99.4	178.1	30.8	56.7
1992	96	86.6	0.92	14.38	98.87	182.8	30.8	57
1988	96	86.6	0.94	14.38	99.08	177.3	30.7	56.9
2012	96	86.6	0.93	14.45	99.19	181.5	30.7	56.9
2021	97	86.9	0.96	14.42	98.87	183.1	30.7	56.9
2017	97	86.9	0.97	13.4	98.55	188.6	30.7	57
2026	97	86.9	0.98	14.42	98.98	191	30.8	57
2028	99	86.9	0.96	14.26	99.08	185.3	30.8	57
2035	99	86.9	0.96	13.75	98.98	188.8	31	57
2050	100	87.1	0.96	14.26	98.76	191	31	57
2056	100	87	0.96	14.29	98.55	188.5	31.1	57.2
2065	100	87.1	0.98	14.38	98.87	190.3	31.1	57.2
2062	100	87	0.99	14.1	98.76	191.1	31.2	57.2
2059	100	87.1	0.99	14.13	98.98	191.1	31.2	57.2
2072	100	87	0.99	14.54	98.98	192.8	31.2	57.2
2063	100	87.5	0.98	13.56	98.66	192	31.5	57.2
2081	101	87.5	1	13.4	98.76	192.8	31.7	57.2
2064	100	87.3	0.99	14.22	98.87	192.8	31.7	57.2
2064	100	87.3	0.98	14.07	98.87	190.5	31.7	57.5
2058	100	87.3	0.99	14.16	98.66	190.5	31.7	57.5
2052	100	87.3	0.99	13.81	98.66	189.5	31.8	57.5
2041	99	87.5	0.99	14.38	98.66	189.6	32	57.5
2035	99	87.5	0.98	14.22	99.08	187.6	32	57.5
2039	99	87.3	0.97	14.19	98.98	187.8	32	57.5
2032	99	87.5	1.03	13.91	99.08	192.6	32	57.5
2031	99	87.5	1.04	14.35	98.04	192.6	32.2	57.5
2028	99	85.9	1.04	13.91	98.45	195.1	32.2	58.2
2024	99	87.5	1.03	14.32	98.76	193.5	32.2	57.7
2038	99	87.5	1.03	14.32	98.76	191.3	32.4	57.5
2031	99	87.5	1.03	14.03	98.25	194.3	32.4	57.5
2027	99	87.5	1.04	14.07	98.55	196.8	32.5	57.5
2027	99	87.5	1.04	14.35	98.55	193.5	32.5	57.7
2029	99	87.5	1.04	14.26	98.36	191.8	32.7	57.5
2023	97	87.5	1.04	14.19	98.25	190.5	32.7	57.7
2022	99	87.9	1.04	14.22	99.08	191.1	32.7	57.7

2023	97	87.5	1.03	14.42	99.08	190.3	32.9	57.7
2028	97	87.5	1.03	14.29	98.76	190.5	32.9	57.7
2021	97	87.5	1.03	14.22	98.66	188.5	33	57.7
2028	99	87.9	1.03	14.29	98.87	190.5	33	57.2
2018	97	87.5	1	14.13	98.36	187.1	33.2	57.7
2009	97	87.9	0.91	13.94	99.08	173.5	33.2	57.7
2006	96	87.5	0.65	14.32	99.08	153.1	33.2	57.7
1983	95	87.9	0.61	14.07	99.29	149.6	33.2	57.7
1952	94	87.9	0.6	14.1	99.4	146	33	57.7
1931	93	87.9	0.57	14.16	99.4	144.8	32.9	58
1911	93	88.1	0.53	14	99.4	141.3	32.7	57.9
1885	92	88.1	0.49	14.32	99.29	134.6	32.7	57.9
1871	91	88	0.47	13.43	99.5	131.6	32.5	58
1850	90	88	0.41	13.34	99.5	122.4	32.2	57.9
1819	88	88	0.28	13.91	99.7	110.5	32	58
1783	86	88	0.2	14.07	99.8	99.6	31.7	58
1734	83	88.1	0.11	14.35	99.8	92	31.3	58
1679	81	87.5	0.08	14.19	100.01	87.5	31.1	58
1630	79	87.5	0.08	14.07	99.8	86.5	30.7	58
1608	77	87.5	0.12	13.69	99.8	86	30.3	58
1580	77	87.5	0.14	13.88	99.91	87	30.1	58
1556	74	87.3	0.12	14.13	99.91	83	29.7	58
1512	72	87.5	0.06	14.1	99.8	78.9	29.5	58
1439	69	87.3	0.05	14.19	99.8	72	29.2	58
1335	64	88.8	0.04	14.16	100.01	66.6	28.8	58
1192	57	87	0.03	14.35	99.91	55	28.6	58.2
716	49	87	0.02	14.07	100.01	34.5	28.3	58.2
751	40	87	0.01	14.16	100.12	37.5	28	58.2
808	35	86.6	0.01	13.72	100.01	40.5	27.8	58.4
1249	31	86.6	0.02	14.29	99.91	56.4	27.7	58.5
1191	31	86.6	0.07	14.29	99.8	63.4	27.5	58.5
1267	34	86.9	0.15	13.72	99.7	70.3	27.2	58.5
1283	34	86.6	0.1	14.29	99.91	68.3	27.1	58.5
1266	33	88.5	0.08	14.16	99.8	67	26.8	58.5
1197	34	86.6	0.08	14.42	100.01	52.5	26.7	58.7
925	34	86.6	0.08	14.35	100.01	50	26.3	58.7
959	35	86.6	0.12	14.16	100.01	51.2	26.2	58.7
1001	37	86.6	0.13	13.46	100.01	53.5	25.8	58.7
1002	38	86.6	0.11	13.91	100.01	53.7	25.7	58.7
1023	37	86.6	0.04	14.16	100.12	49.9	25.7	59
966	35	86.6	0.02	13.97	100.12	47.2	25.6	59
954	35	86.6	0.03	13.94	99.91	45.7	25.3	59
931	34	86.6	0.09	14.1	99.91	49.4	25.2	59
957	35	86.9	0.12	14.1	99.91	51.2	25.1	59.2
978	36	86.9	0.13	14.03	99.91	54	25	59.2
1003	37	86.9	0.14	13.78	99.8	55.7	24.8	59.2
1031	38	86.9	0.15	14.07	99.91	57.7	24.7	59.4
1058	39	87.1	0.17	13.43	99.91	58.7	24.6	59.4
1106	40	87	0.2	13.81	99.8	62.7	24.5	59.5
1147	42	87.1	0.24	14.38	99.7	67.8	24.2	59.5

1184	44	87.1	0.27	14.19	99.8	72	24.2	59.5
1226	45	87.1	0.3	14.38	99.8	77.3	24.2	59.5
1276	47	87.5	0.35	14.19	99.7	84.5	24.1	59.7
1343	50	87.5	0.42	14.42	99.59	93.5	24	59.7
1431	52	87.5	0.52	14.48	99.29	106.9	24	60
1513	56	87.9	0.63	14.29	99.19	121.6	23.8	59.7
1586	59	88.1	0.71	14	99.29	132.8	23.7	60
1659	61	88	0.77	14.16	98.66	146.8	23.7	60
1733	64	88.5	0.82	13.78	98.87	154.5	23.8	59.9
1812	67	88.5	0.91	14.42	98.15	169.3	23.8	59.9
1887	70	88.5	0.98	14.38	98.25	182	24.1	60
1968	73	88.8	1.02	13.88	98.15	192.8	24.2	60
2029	75	88.8	1.04	13.34	97.94	196.3	24.3	60
2105	79	89	1.06	14.22	97.51	205.6	24.7	60.2
2167	80	88.9	1.06	14.35	97.2	211	25	60.2
2241	83	88.9	1.08	14.16	97.41	218.8	25.5	60.2
2287	85	88.9	1.08	14.29	97.62	223.8	25.7	60.2
2362	88	88.9	1.08	14.38	97.51	225.5	26.2	60.2
2427	90	88.9	1.06	14.29	98.87	228.5	26.7	60.4
1744	90	87.3	0.2	14.35	99.59	93.4	27.1	60.4
1821	88	88.1	0.36	14.16	99.59	124.4	27.2	60.5
1832	89	87.5	0.83	14.45	98.76	164.3	27.5	60.5
1864	90	87.5	0.94	14.38	99.29	174.3	27.5	60.5
1909	92	87.5	0.97	14.38	98.98	180.6	27.6	60.5
1935	93	87.5	1	14.29	98.55	185.3	27.7	60.5
1970	95	87.3	1.02	14.38	98.66	189.5	27.7	60.5
2000	96	87.5	1.03	14.35	98.98	194.6	28	60.5
2044	99	87.3	1.04	14.16	98.76	197.6	28.2	60.5
2089	101	87.3	1.06	14	98.25	203.6	28.5	60.5
2116	103	87.5	1.06	14.42	98.45	205.6	28.7	60.5
2168	105	87.3	1.06	13.97	98.25	207.6	28.8	60.5
2206	106	87.5	0.97	14.19	98.66	199.3	29.2	60.5
2230	108	87.5	0.96	13.12	98.45	201.6	29.3	60.5
2259	108	87.5	1	14.35	97.62	207.6	29.6	60.5
2274	110	87.5	0.92	14.13	98.87	201	29.7	60.9
2260	110	87.3	0.61	14.03	98.98	171.8	30	60.5
2248	110	87.5	0.65	14.29	99.08	176.3	30.2	60.5
2255	110	87.5	0.88	14.1	98.66	197.8	30.2	60.5
2260	110	87.5	1.03	14.19	98.36	214.6	30.2	60.5
2276	111	87.5	1.01	14.22	97.94	212.3	30.2	60.5
2292	111	87.5	0.99	14.1	98.55	211.1	30.3	60.5
2296	112	87.5	0.86	13.43	98.87	200.1	30.5	60.2
2307	112	87.5	0.89	14.22	98.45	204.6	30.6	60.2
2308	112	87.5	1.07	14.48	98.45	223.6	30.7	60.4
2330	113	87.3	1.06	14.38	98.25	223.1	30.7	60.4
2350	114	124	1.04	14.19	98.25	220.6	4450.7	-273.2
2375	115	87.1	1.05	14.38	97.73	224.1	31.1	60.4
2375	115	87	1.06	14.45	98.25	225.6	31.2	60.2
2393	116	87	1.05	14.45	97.94	226.6	31.7	60.2
2392	116	87.1	1.05	14.29	98.04	225.5	31.7	60.4

2406	116	87.1	1.02	14.07	98.15	224.6	32	60.4
2414	117	87.1	0.93	13.81	98.36	209	32.2	60.2
2396	116	87.1	0.97	14.1	98.36	219.6	32.2	60.2
2401	116	87.1	0.96	14.16	98.15	215.8	32.4	60.2
2392	116	87	0.92	13.31	98.55	210.3	32.5	60.2
2377	115	87.5	0.94	14.22	98.55	213.8	32.5	60.2
2372	115	87	0.96	14.07	98.45	216.6	32.7	60.2
2382	115	87.1	0.99	14.16	98.45	215.5	32.7	60.2
2366	115	87.1	1.01	14.13	98.25	222.1	32.9	60.2
2359	114	87.1	1.03	14.1	98.36	223.6	32.9	60
2373	114	87.5	1.01	14.03	98.55	220.5	33	60.2
2375	115	87.3	1.01	13.37	98.45	218.8	33.2	60
2365	115	87.3	1	14.13	98.36	222.6	33.2	60.2
2381	115	87.3	1	13.85	98.45	218.6	33.4	60
2363	115	87.3	0.97	14.26	98.36	216.6	33.4	60
2383	115	87.3	0.98	14.26	98.55	215.5	33.5	60
2357	115	87.5	0.91	14.19	98.76	209.1	33.5	60
2363	114	87.3	0.96	14.38	98.36	211.6	33.7	60
2355	114	87.3	0.98	14.42	97.94	216.1	33.7	60.2
2327	114	88.8	1.01	14.13	98.36	218.6	33.7	60.2
2337	113	87.3	1	14.32	98.36	213.6	33.7	60.2
2313	113	87.3	0.99	14.29	98.45	213.6	33.9	60
2328	112	87.3	1	14.32	98.45	214.6	33.9	60.2
2305	112	87.5	1.05	14.03	98.04	219.6	33.9	59.9
2294	112	87.3	1.03	14.32	97.94	212.6	34	60
2293	111	87.3	1.03	13.85	98.04	213.8	34	60
2278	111	87.3	1.03	14.26	98.36	216.6	34.2	60
2275	111	87.5	1.04	14	98.15	214.6	34.2	60.2
2286	111	87.3	1.05	13.72	98.25	213.8	34.2	60.2
2275	111	83	1.05	14.45	98.36	214.6	34.2	60.2
2273	111	87.5	1.04	13.75	98.55	216.6	34.2	60.2
2271	111	87.5	1.03	14.35	98.15	214.6	34.4	60.2
2273	111	87.5	1.03	14.29	98.36	212.6	34.4	60.2
2286	111	89.3	1.03	13.85	98.66	211.6	34.5	60.2
2281	111	87.5	1.01	14.1	98.66	211.6	34.5	60.2
2272	110	87.5	0.91	14.13	98.76	196.8	34.5	60.2
2240	110	87.9	0.64	14.03	99.08	166.8	34.7	60.2
2206	106	87.5	0.22	14.03	99.8	126.1	34.7	60.2
2136	103	87.5	0.15	14.22	99.91	116.4	34.5	60.2
2049	99	87.5	0.13	14.22	99.91	110.8	34.4	60
1959	95	87.9	0.11	14.03	100.01	104	34	60.2
1878	91	87.9	0.1	14.16	100.12	99.8	33.7	60.2
1775	85	87.5	0.09	14.16	100.12	92.8	33.4	60.4
1682	81	87.5	0.07	14.29	100.01	87	33	60.2
1582	77	87.5	0.06	14.13	100.12	82.3	32.5	60.2
1484	71	87.5	0.06	14.16	100.12	75.9	32.2	60.4
1383	66	87.5	0.05	14.07	100.01	68.8	31.8	60.2
1251	60	87.3	0.04	13.94	100.12	60.7	31.6	60.4
989	51	87.3	0.03	14.07	100.44	40	31.2	60.4
714	41	87.3	0.02	13.88	100.33	33.5	30.8	60.4



719	35	87.3	0.01	14.07	100.44	33.7	30.6	60.5
724	28	87	0.01	14.38	100.01	34.4	30.3	60.5
733	18	87.1	0.01	14.32	100.12	35	30.1	60.5
736	9	87	0.01	14.07	100.23	33.9	29.7	60.5
918	7	87	0.02	14.22	100.01	39	29.6	60.7
1051	9	87	0.07	14.29	100.01	61	29.5	60.7
1689	15	87	0.36	14.51	98.76	129.5	29.2	61
1729	22	87	0.21	14.13	99.91	88	29.2	61
1310	22	87	0.15	13.91	99.91	76	28.8	61.2
1557	26	87	0.42	14.42	99.29	116	28.7	61.2
1932	33	87	0.87	14.38	98.15	185.5	28.5	61.2
2326	39	87.1	1.05	13.27	97	231.1	28.2	61.2
2299	46	87.1	0.36	14.42	99.59	128.6	28.3	61.4
1727	44	87.1	0.17	12.99	99.7	94.4	28.3	61.4
1803	47	87	0.6	14.16	99.08	145.3	28.3	61.5
1945	51	81.5	0.84	14.38	98.76	174.8	28.2	61.5
2094	56	87.1	0.8	14.29	98.45	178.8	28.2	61.5
2208	58	87.1	0.72	14.1	98.25	184.6	28.2	61.7
2346	62	87.1	1.05	13.97	97.51	233.1	28.3	62
2525	67	87.1	1.06	14.32	96.48	239.6	28.5	62
2221	69	87.1	0.32	13.88	99.91	122.4	28.7	62
1854	69	87	0.28	13.02	99.7	116.5	28.8	62
1903	71	87.1	0.82	13.81	99.19	171.6	28.8	62.2
1989	74	87	0.93	14.19	98.66	181.5	29	62.2
2078	77	86.6	0.96	14.1	98.55	195.1	29	62.2
2136	79	86.9	1.01	14.38	98.36	203.6	29.2	62.2
2215	82	86.9	1.01	14	97.83	208.1	29.2	62.5
2268	85	86.9	1.02	13.65	97.41	217.6	29.5	62.4
2347	86	86.9	1.03	14.19	97.94	223.6	29.6	63.2
2414	90	88.5	1.09	14.07	97.73	236.1	29.8	63.2
2466	92	87	1.04	14.13	97.83	239.6	30.2	62.5
2220	92	87	0.33	14.1	100.12	121.8	30.5	62.5
1881	91	87	0.22	14.35	100.12	111.3	30.7	62.5
1891	92	87	0.62	14.16	99.7	151.3	30.7	62.4
1917	92	87.1	0.95	14.03	98.87	179.8	30.7	62.7
1958	94	87.1	0.92	14.29	99.19	183.8	30.7	62.5
1984	95	87.1	0.86	13.72	99.08	174.3	30.7	62.7
2003	96	87.1	0.91	14.32	99.19	181.5	30.7	62.7
2023	97	87.1	0.93	14.07	99.08	183.1	30.7	62.5
2045	99	87.1	0.91	14.35	99.19	186.3	30.7	63
2064	100	87.5	0.75	14.38	99.29	170.3	30.7	63
2069	100	87.5	0.78	14.07	99.5	180.5	30.7	63
2073	101	87.5	0.75	14.38	99.08	171.1	30.7	62.7
2077	101	85.9	0.75	14.16	98.87	174.8	30.7	62.7
2086	101	87.5	0.87	14.42	99.08	184.8	30.7	62.7
2106	102	87.5	0.87	14.26	98.98	186.3	30.7	62.7
2107	102	89.5	0.87	14.38	98.87	184.5	30.7	62.7
2115	102	87.5	0.76	14.38	99.08	173.8	30.7	62.7
2126	102	87.5	0.69	14.26	99.19	168	30.8	62.7
2117	102	87.9	0.68	14.26	99.29	168.8	30.8	62.7

2111	102	87.5	0.67	14.35	99.59	168.3	30.8	62.7
2105	102	87.3	0.54	14.29	99.8	149.1	30.8	62.9
2073	100	87.5	0.46	14.03	99.7	144.3	30.7	62.9
2048	99	87.5	0.47	14.26	99.8	141.6	30.7	62.7
2025	99	87.5	0.47	13.65	99.59	141.6	30.6	62.7
2020	97	87.3	0.53	14.07	99.8	149.1	30.3	62.9
2026	97	87.3	0.57	14.13	99.8	150.8	30.2	62.7
2000	96	87.3	0.59	14.03	99.7	151.1	30.1	62.9
1977	95	87.3	0.49	14.22	99.91	138.1	29.8	62.9
1961	94	87	0.34	13.69	100.12	124.4	29.7	62.9
1900	92	87.1	0.16	14.1	100.01	105.5	29.6	62.9
1848	90	86.6	0.1	14.42	100.23	97.1	29.3	62.9
1786	85	87.1	0.09	13.31	100.23	92.4	29.2	62.9
1721	83	87	0.08	13.97	100.33	89.6	29	62.9
1658	80	87	0.07	14.03	100.33	86.5	28.7	63
1543	74	87	0.06	13.97	100.23	78.4	28.6	63
1371	66	87	0.05	14.19	100.23	68.3	28.2	63
1216	58	87	0.04	14	100.33	58.4	28	63
1092	52	86.6	0.03	14.22	100.33	51.2	27.7	63.2
719	45	86.9	0.02	13.08	100.44	32.2	27.6	63.2
718	38	86.4	0.01	14.19	100.12	35.2	27.3	63.2
964	36	86.5	0.01	13.02	100.23	54.4	27.2	63.2
1283	33	86.9	0.04	14.1	100.12	64.8	27.1	63.2
1254	33	87.9	0.15	13.72	100.12	71.5	27	63.4
1349	35	86.6	0.34	14.19	99.91	91.3	26.7	63.4
1462	38	86.6	0.5	13.72	99.91	111	26.7	63.4
1616	42	86.6	0.59	13.24	99.5	126.6	26.3	63.4
1731	46	86.6	0.68	14.22	99.4	144.1	26.2	63.4
1876	49	86.6	0.89	14.26	98.76	176.1	26.2	63.4
1976	52	86.6	1.01	14.38	98.45	193.5	26.2	63.4
2098	56	86.6	1.05	14.32	98.04	204.1	26.2	63.7
2207	58	86.9	1.04	14.42	97.62	215.5	26.3	63.7
2313	61	86.9	1.03	14.03	97.51	222.6	26.7	63.7
2398	63	87.1	0.73	14.16	99.4	171	27	63.7
1662	61	87.1	0.17	13.97	99.91	90	27.2	64
1633	60	87	0.26	14.22	99.7	100.8	27.3	64
1653	61	87.1	0.66	13.94	99.4	134.8	27.5	64
1707	63	87.1	0.73	14.42	99.59	142	27.5	64
1754	66	87	0.74	14.16	99.29	145.3	27.6	64
1792	67	87.1	0.75	14.29	99.4	151.5	27.6	64.1
1844	68	87.5	0.8	14.45	99.19	159	27.6	64.1
1886	70	87.3	0.82	14.29	99.19	165	27.7	64.1
1925	71	87.5	0.84	14.26	98.87	168.3	27.7	64.1
1957	73	87.5	0.89	13.46	98.87	177.8	27.7	64.1
2005	74	87.5	0.89	13.24	98.55	179.1	27.8	64.1
2025	75	87.5	0.92	14.29	98.55	183.8	28	64.1
2055	77	87.5	0.9	14.16	98.45	183.1	28.2	64.3
2087	78	87.9	0.83	14.03	98.87	180	28.3	64.3
2106	79	89.3	2.95	14.03	99.08	3495.1	28.6	64.3
2134	80	88	0.76	14.22	98.66	181.3	28.7	64.3

2164	81	88	0.77	14.45	98.45	187.6	28.8	64.3
2208	82	87.5	1.03	14.13	97.62	213	29	64.3
2176	83	87.9	0.44	14.16	99.8	129	29.2	64.3
1509	82	87.5	0.12	14.29	100.12	91	29.2	64.3
1688	81	87.5	0.2	14.26	99.91	98	29.2	64.3
1701	82	87.5	0.47	14.29	99.59	125	29.2	64.3
1735	83	87.5	0.64	14.19	99.7	138.8	29	64.3
1772	85	87.5	0.69	14.32	99.29	143.1	29	64.3
1805	86	87.9	0.72	13.91	99.59	149.6	28.8	64.3
1842	89	87.5	0.73	14.32	99.59	152.8	28.7	64.3
1872	91	87.9	0.73	14.32	99.7	154.6	28.7	64.3
1895	92	87.5	0.66	14.38	99.4	150.5	28.7	64.3
1919	93	87.3	0.6	14.32	99.7	145.8	28.6	64.3
1946	94	87.5	0.56	14.13	99.8	146.6	28.6	64.3
1966	94	87.9	0.54	14.35	99.7	144.8	28.6	64.3
1978	96	87.9	0.48	14.03	99.7	139.3	28.5	65.3
1993	96	87.9	0.45	13.85	100.01	141.3	28.3	64.3
2000	97	87.9	0.45	14.13	99.91	140.6	28.2	64.3
2017	97	87.5	0.56	14.16	99.8	151.8	28.1	64.3
2042	99	87.5	0.59	14.35	99.5	155.6	27.8	64
2049	99	87.9	0.59	14.13	99.59	155.3	27.8	64.3
2049	99	87.5	0.48	14.16	99.7	146.1	27.7	64.3
2042	99	87.5	0.46	14.03	99.7	144.3	27.7	64.3
2033	99	87.5	0.48	14.48	99.7	145.8	27.6	64.3
2041	99	87.3	0.53	14.29	99.7	154.6	27.5	64.3
2048	99	87.3	0.71	14.03	99.19	169.3	27.5	65.8
2056	99	87.3	0.71	13.4	99.29	169.1	27.3	64.4
2049	100	87	0.63	14.07	99.4	160.5	27.3	65.8
2028	99	87	0.52	14.13	99.8	149.1	27.2	65.4
2029	97	87.1	0.59	13.56	99.7	156.1	27.2	64.3
2023	97	86.6	0.6	14.22	99.5	155.1	27.2	64.3
2017	97	86.9	0.6	14	99.8	155.6	27.2	64.3
2012	97	86.9	0.62	14.32	99.59	157.3	27.2	64.3
2016	96	86.9	0.71	14.22	99.59	167	27.1	64.3
1994	96	86.9	0.63	14.07	99.7	154.5	27.1	64.3
1988	96	86.9	0.59	14.32	99.8	150.6	27.1	64.3
1982	95	86.6	0.57	14.29	100.01	151.3	27.1	64.3
1965	95	86.6	0.6	14.32	99.4	153.8	27	64.3
1968	94	86.6	0.68	13.59	99.7	160.1	27.1	64.3
1959	95	86.9	0.71	14.32	99.5	161	27	64
1961	95	86.6	0.74	14.32	99.29	164.6	27	64.1
1967	95	86.4	0.63	14.1	99.8	151.1	27	64.1
1933	94	86.5	0.47	14.42	99.8	137.6	27	64.1
1934	93	86.5	4.52	14.22	99.59	3504.3	27	64.1
1921	93	86.5	0.52	14.26	99.8	142	27	64.1
1904	92	86.5	0.31	14.26	100.33	117.5	26.8	64.1
1862	90	86.5	0.13	14.22	100.44	102.6	26.7	64.1
1812	88	86.5	0.09	14.03	100.33	97.1	26.7	64.1
1757	85	86.5	0.08	13.85	100.44	92.9	26.5	64.1
1686	82	86.9	0.07	14.16	100.54	89.3	26.2	64.1

1589	77	86.6	0.06	14.32	100.54	83.5	26.2	64.1
1501	72	86.6	0.05	14	100.44	77.9	26	64.1
1401	68	86.6	0.05	13.97	100.44	71.5	25.7	64
1322	63	86.6	0.04	14.19	100.33	66.8	25.6	64.1
1245	60	86.6	0.03	14.1	100.44	62.7	25.3	64
1188	57	86.6	0.03	14.16	100.54	58.7	25.2	64
1089	52	86.6	0.03	14.19	100.44	52.2	25.1	64
722	46	86.4	0.03	14	100.54	34.2	24.8	64
712	40	86.4	0.02	14.26	100.33	35	24.7	64
785	36	86.4	0.01	14.19	100.33	40.5	24.7	64
1085	28	86.4	0.02	13.91	100.54	50.2	24.6	64.1
866	23	86.4	0.02	14.29	100.33	40.2	24.3	64
785	19	86.4	0.01	13.97	100.33	36.5	24.2	64
783	20	86.4	0.04	14.1	100.54	44.5	24.2	64
890	22	86.4	0.08	14.19	100.33	44.2	24.1	64.1
932	24	86.4	0.12	13.59	100.54	53.5	24	64.1
1031	27	86.4	0.15	14	100.44	58.9	23.8	64.3
1111	29	86.4	0.2	14.26	100.23	68.1	23.7	64.3
1210	31	86.4	0.27	14.32	100.12	77	23.7	64.3
1324	35	86.4	0.37	14.29	100.01	91.3	23.7	64.3
1459	38	86.5	0.52	14.19	99.91	111.5	23.6	65
1585	41	86.4	0.64	14.22	100.01	129	23.6	64.5
1721	45	86.5	0.64	14.38	99.5	140.6	23.5	64.5
1846	49	86.9	0.77	14.03	99.29	165	23.5	64.5
2008	52	86.9	0.99	14.22	98.66	198.8	23.5	64.5
2192	58	88.8	1.05	14.38	98.25	219.1	23.6	64.6
2343	62	87.5	0.77	14.07	99.59	178.8	23.8	64.6
1671	62	87.3	0.17	14.07	100.23	92.1	24.2	64.5
1671	61	87.3	0.35	14.35	99.7	114.1	24.2	64.6
1732	64	87.3	0.74	14.22	99.5	150.1	24.3	64.6
1798	67	87.3	0.73	14.38	99.5	149.8	24.5	64.6
1856	69	87.5	0.66	14.13	99.5	149.1	24.6	65
1888	70	87.3	0.58	14.22	99.5	143.3	24.7	65
1919	71	87.5	0.59	14.29	99.7	146.5	24.7	65
1944	72	87.5	0.66	14.16	99.19	156.3	24.7	65
1972	73	87.5	0.62	14.38	99.29	152.3	24.8	65
2006	74	87.3	0.58	13.97	99.4	152.5	24.8	65
2012	74	87.3	0.49	13.75	99.5	143.8	25	65
2001	74	87.5	0.39	14.26	99.59	133.6	25.1	65
1998	74	87.5	0.39	14	99.8	134.3	25.1	65
2009	74	87.3	0.46	14.26	99.7	143.3	25.1	64.8
2018	75	87.3	0.63	14.29	99.59	160.5	25.1	64.8
2056	77	87.3	0.71	14.03	99.59	173.1	25.1	65
2089	78	87.3	0.75	14.32	99.19	177.3	25.1	65
2110	79	87	0.75	14.16	99.5	177.3	25.2	65
2134	80	87	0.72	14.13	99.29	172.6	25.2	65
2155	80	87	0.7	14.29	98.76	175.8	25.3	64.8
2164	81	87	0.54	14	100.01	147.6	25.5	65
1452	80	87	0.12	14.1	100.54	74.8	25.6	65
1627	78	87	0.15	14.32	100.33	91.3	25.6	65

1618	79	87	0.3	12.89	100.01	103.9	25.6	65
1621	79	88.1	0.32	14.35	100.33	103.5	25.5	65
1613	78	87	0.2	14.19	100.44	90	25.3	65
1603	77	86.6	0.15	14.32	100.44	88	25.2	65
1573	77	86.9	0.13	14.32	100.54	85.5	25.2	64.5
1551	75	86.6	0.12	14.29	100.54	82.9	25	65
1559	74	86.9	0.08	14.1	100.33	80.6	24.8	65
1490	71	87.1	0.05	13.97	100.33	76	24.7	65
1448	70	87	0.05	14.26	100.54	72.8	24.6	65
1422	68	87	0.08	14.13	100.33	74.5	24.3	65
1418	68	87	0.15	14.22	100.54	78	24.2	65
1430	68	87.1	0.13	14.29	100.54	76	24.1	65
1395	67	87.1	0.1	14.29	100.44	74	24	65
1381	67	87.1	0.1	14.32	100.54	72.8	23.7	65
1384	67	87.1	0.18	13.78	100.33	80.1	23.7	65
1390	67	87.1	0.24	14.32	100.44	83.8	23.5	65
1398	67	87.1	0.25	14.42	100.33	84.4	23.2	65
1396	67	87	0.2	13.18	100.44	79	23.2	65
1381	67	87.1	0.15	14.26	100.44	74.9	23.2	65
1375	67	87.1	0.13	14.32	100.54	73	23.1	65
1348	66	87.1	0.12	14.35	100.54	73.6	22.8	64.8
1355	64	87.1	0.18	13.56	100.54	76.9	22.7	65
1347	64	90.3	0.24	14.1	100.33	82	22.7	66.1
1357	66	87.5	0.24	14.16	100.33	81.4	22.5	65.4
1351	66	87.3	0.18	14.32	100.54	75	22.5	65.1
1342	64	87.5	0.14	14.35	100.54	70.5	22.2	65.3
1339	64	87.5	0.14	14.32	100.33	71.5	22.2	65.3
1333	64	87.5	0.13	13.97	100.54	73.4	22.2	65.3
1325	63	87.5	0.15	14.29	100.54	76	22.2	65.1
1323	63	87.5	0.17	14.07	100.54	73.6	22.1	65.3
1314	62	87.5	0.12	13.46	100.54	70.5	22	65.5
1286	62	87.5	0.1	14.42	100.54	67.1	21.8	65.4
1269	61	87.5	0.09	14.19	100.44	67.3	21.8	65.4
1251	60	87.5	0.08	13.34	100.54	63.9	21.7	65.4
1214	59	87.9	0.05	13.94	100.54	60.5	21.6	65.4
1077	51	87.9	0.03	13.72	100.44	51.5	21.5	65.4
712	41	87.9	0.02	14.38	100.44	34.7	21.5	65.1
715	31	87.9	0.02	14.16	100.44	35	21.5	65.3
727	26	87.9	0.01	13.91	100.65	33.7	21.3	65.3
982	24	88.5	0.01	13.81	100.44	54.5	21.3	65.3
1302	22	86.4	0.05	12.89	100.33	71	21.2	65.3
1490	25	88.5	0.23	13.53	100.01	95.5	21.2	68.9
1767	30	88.5	0.49	14.26	99.7	140	21.2	65.4
2084	36	89.3	0.76	13.88	98.87	181.3	21.2	65.4
2380	40	88	0.86	14.35	99.08	201.3	21.2	65.4
1765	41	88.1	0.18	14.35	100.44	88	21.2	65.5
1530	40	88.5	0.12	14.22	100.23	87.4	21.3	65.4
1581	41	88.5	0.27	13.56	100.01	98.6	21.3	65.4
1639	44	88	0.19	14.13	100.44	91	21.5	65.5
1568	41	88	0.08	13.94	100.33	80.5	21.5	65.5

1014	30	88	0.05	13.56	100.65	42.5	21.5	65.5
716	24	87.3	0.03	14.13	100.33	34.7	21.3	65.5
1128	22	87.5	0.01	13.78	100.44	65	21.2	65.8
1275	22	87.5	0.07	12.96	100.44	68.3	21.3	65.6
1462	25	87.5	0.26	14.38	100.23	96.1	21.2	65.6
1706	29	87.5	0.32	14.42	100.01	112.5	21.2	65.6
1858	31	87.5	0.29	13.65	99.91	117.5	21.2	65.6
1948	34	87.5	0.28	13.37	99.91	122.6	21.2	65.8
2027	35	87.5	0.31	14.07	99.7	127.9	21.2	66
2107	36	87.5	0.37	13.69	99.29	144.5	21.2	65.6
2289	39	87.5	0.83	14.26	98.45	208.6	21.2	65.5
1933	41	87.3	0.22	14.48	100.33	102	21.2	65.5
1407	39	87.3	0.08	13.43	100.44	81	21.2	65.5
1458	39	87.3	0.1	14.29	100.44	79.5	21.2	65.8
1473	39	87	0.1	14.38	100.33	79.1	21.2	65.8
1495	39	87	0.13	14.16	100.44	84	21.2	65.8
1499	39	87	0.14	14.26	100.23	84	21.2	66
1500	39	87	0.11	14.38	100.33	81.9	21.2	65.9
1407	38	87	0.07	14.07	100.44	77.6	21.2	66
1409	37	87	0.05	14.26	100.33	70.8	21.2	66
1339	35	87	0.04	14.22	100.54	68.3	21.1	66
1288	34	87	0.05	14.07	100.33	64.9	21	66
1260	34	86.6	0.06	14.29	100.44	65.8	20.8	66
1260	33	86.9	0.07	14.26	100.54	63	20.7	66
1237	33	86.9	0.05	14.35	100.33	62.4	20.7	66
1190	31	86.6	0.05	14.07	100.44	61.2	20.7	66.1
1173	31	86.6	0.05	14.42	100.54	59.5	20.6	66.1
1162	30	86.6	0.03	14.38	100.54	57.5	20.6	66.1
1103	29	86.6	0.03	14.22	100.44	54.7	20.6	66.1
1120	28	86.6	0.04	14.42	100.54	53	20.5	66
1155	30	86.9	0.14	14.13	100.54	66.5	20.5	66.1
1286	34	86.6	0.26	13.24	100.33	81	20.3	66.3
1365	36	86.6	0.15	14.26	100.33	75	20.3	66.3
1298	35	86.9	0.07	14.03	100.44	71	20.2	66.3
1273	33	86.6	0.04	14.48	100.33	63.7	20.2	66.3
1225	31	86.9	0.04	14.19	100.54	63	20.2	66.3
1195	31	86.6	0.06	13.85	100.33	63	20.2	66.3
1207	31	86.6	0.06	14.35	100.54	62.7	20.1	66.3
1192	31	86.6	0.06	14.16	100.33	60.5	20	66.5
1160	30	86.9	0.05	14.35	100.44	61.4	20	66.5
1198	30	86.6	0.05	14.45	100.54	59	19.8	66.5
1172	30	86.9	0.06	13.15	100.54	60.2	19.8	66.4
1172	30	86.9	0.06	14.45	100.54	59.9	19.8	66.5
1163	30	86.6	0.06	14.16	100.44	59.5	19.7	66.5
1168	30	86.9	0.05	13.88	100.54	59.7	19.7	66.5
1162	30	87.1	0.05	14.19	100.33	58.7	19.7	66.5
1142	29	87	0.05	13.97	100.54	57.2	19.7	66.5
1120	29	87	0.04	14.16	100.54	56	19.7	66.4
1108	29	87.1	0.05	14.1	100.33	54.5	19.7	66.6
1092	28	87	0.05	14.19	100.54	54.9	19.7	66.6

1105	28	87	0.06	13.08	100.33	55.5	19.7	66.5
1138	29	87	0.08	14.22	100.33	58.2	19.6	66.5
1159	30	87.1	0.07	14.03	100.54	59.5	19.6	66.6
1162	30	87	0.08	14.42	100.44	60.7	19.5	66.6
1202	31	87	0.11	14.35	100.44	64.5	19.6	66.6
1241	33	87	0.11	14.26	100.44	65.9	19.6	66.6
1259	33	87	0.1	14.19	100.44	67.3	19.5	66.6
1282	34	87	0.09	14.03	100.44	67.4	19.5	66.6
1307	34	87	0.11	14.16	100.54	71	19.3	66.6
1352	36	87.1	0.16	13.12	100.23	77.4	19.2	66.6
1404	37	87.1	0.17	14.19	100.33	81.9	19.2	66.6
1432	37	87.1	0.12	14.32	100.33	76.5	19.2	66.9
1421	37	87.1	0.09	14.29	100.33	77.4	19.2	66.8
1409	37	87.1	0.08	14.35	100.33	75	19.1	66.8
1413	37	87.1	0.1	14.19	100.44	80.4	19.2	66.9
1444	38	87.5	0.14	14.45	100.44	79.9	19.2	66.8
1480	39	88.1	0.16	14.38	100.33	85.1	19.2	66.9
1518	39	87.5	0.16	13.21	100.33	86	19.1	66.9
1535	40	87.3	0.13	14.38	100.44	84.5	19.1	66.9
1548	40	89.3	0.14	14.26	100.23	86.4	19	66.9
1565	41	87.3	0.15	14.35	100.33	89	19	66.9
1578	41	87.3	0.17	13.91	100.33	90.3	19	66.9
1603	42	87.3	0.16	14.13	100.12	92.5	19	66.9
1641	44	87.3	0.22	14.35	100.12	100.1	19	67
1706	45	87.3	0.26	13.62	100.33	106.4	19	67
1751	46	87.9	0.23	13.78	100.12	107	19	67
1758	47	87.3	0.19	14.19	100.23	107.3	19	67
1762	47	87.3	0.19	14.45	100.12	104	18.8	67
1769	47	87.3	0.19	14.38	100.23	101.4	18.8	67
1741	46	87.3	0.15	14.22	100.12	98.1	18.8	67
1722	46	87	0.15	14.42	100.23	97.8	19	67
1708	45	87	0.15	14.32	100.33	96.6	18.8	65.1
1680	45	87	0.15	14.32	100.23	92.9	18.8	66.9
1676	44	87	0.15	14.38	100.44	92.1	18.8	67.1
1675	45	86.6	0.2	14.42	100.12	100.9	18.8	67.1
1728	46	86.6	0.22	14.45	100.12	102.4	18.8	67.1
1745	46	86.6	0.21	13.91	100.23	105	18.8	67.1
1791	47	86.6	0.24	14.38	100.12	110.9	18.8	67.1
1814	48	86.4	0.24	14.38	100.12	116	18.8	67.1
1836	48	86.4	0.26	13.69	100.01	115.8	18.8	67.1
1875	49	86.1	0.32	14.38	99.91	122	18.8	67.1
1896	50	86.1	0.29	14.45	100.01	118.8	18.8	67.1
1918	50	86.1	0.27	14.1	99.91	118.6	18.8	67.1
1926	51	86.1	0.27	14.35	99.91	119	19	67.1
1934	51	85.9	0.26	14.32	99.91	120.1	19	67.1
1934	51	85.9	0.24	13.97	100.12	117.6	19	67.1
1940	51	86	0.23	13.94	99.91	115	19.1	67.1
1923	51	85.9	0.22	14.13	100.01	114.5	19.1	67.1
1926	51	84.5	0.22	14	100.12	114.1	19.2	67.1
1919	50	85.4	0.21	14.38	100.23	112	19.2	68.6

1899	50	85.4	0.2	14.03	100.01	114.5	19.2	67.5
1885	50	85.8	0.22	14.35	100.12	114.5	19.2	67.3
1879	50	85.8	0.2	14.35	99.91	111	19.2	67.3
1880	49	85.8	0.19	14	100.12	108.8	19.2	67.3
1791	48	85.5	0.12	14.32	100.12	101.5	19.2	67.3
1774	47	85.5	0.09	13.81	100.23	93	19.2	67.5
1702	45	85.5	0.08	14.07	100.23	90.1	19.2	67.3
1620	42	85.5	0.05	14.35	100.33	84	19.2	67.5
1512	40	85.1	0.05	14.1	100.44	71	19.1	67.3
789	35	85.1	0.03	13.37	100.65	35.5	19.1	67.3
720	30	85.1	0.02	13.94	100.75	32.7	19	67.3
776	27	85.1	0.01	13.97	100.54	38.9	19	67.3
1125	24	85.1	0	14.35	100.54	64.6	19	67.3
1276	22	85.1	0.03	14.29	100.44	66	19	67.3
1266	22	85.1	0.08	14.16	100.44	68.8	18.8	67.3
1357	23	84.9	0.14	13.69	100.33	75.1	18.8	67.3
1285	23	84.9	0.06	14.26	100.33	70.1	18.8	67.3
1185	20	85	0.04	14.45	100.54	58.2	18.8	67.3
1085	18	85	0.03	14.22	100.44	51.2	18.8	67.5
965	16	84.9	0.02	14.16	100.65	47.5	18.8	67.3
961	16	85	0.03	14	100.54	49.5	18.8	67.3
1115	18	85	0.11	13.5	100.54	66.6	18.7	67.3
1394	24	84.9	0.24	13.43	100.12	89.6	18.7	67.1
1682	28	85	0.32	14.38	100.12	114.5	18.7	67.5
1834	31	83.4	0.25	13.88	100.12	116.3	18.7	67.5
1925	33	85	0.22	14.51	100.01	115.3	18.7	67.5
1944	34	85	0.21	13.37	100.12	117.5	18.7	67.3
1925	33	85	0.17	14.35	99.91	114.1	18.7	67.5
1973	34	85	0.18	14.35	100.12	111	18.7	67.5
1927	33	85.4	0.19	13.75	100.23	116.1	18.7	67.3
1923	33	85.1	0.18	14.19	100.12	110	18.7	67.5
1896	33	85.4	0.15	14.42	100.01	107.4	18.7	67.3
1790	31	85.1	0.11	13.91	100.12	99	18.7	67.3
1745	29	85.1	0.08	14.13	100.12	90.3	18.6	67.5
1625	28	85.1	0.07	14.48	100.33	85.5	18.6	67.5
1529	26	85.4	0.05	14.26	100.33	78.3	18.6	67.5
1418	24	85.1	0.05	14.38	100.44	71	18.5	68.1
1270	22	85.1	0.04	14.19	100.44	64	18.5	67.5
1149	19	85.1	0.03	14.26	100.44	54.2	18.5	67.5
991	16	85.1	0.02	13.94	100.44	47.5	18.5	67.5
871	15	85.1	0.02	14.26	100.75	41.7	18.5	67.5
768	12	84.9	0.01	14.29	100.54	41	18.3	67.5
773	13	84.9	0.04	14.1	100.44	42.2	18.3	67.5
946	15	84.9	0.06	13.81	100.54	49.5	18.3	67.5
1020	17	84.9	0.05	14.26	100.54	49.7	18.3	67.3
996	17	84.9	0.04	14.07	100.54	48.2	18.3	67.5
961	16	84.9	0.02	14.13	100.65	46.2	18.3	67.5
899	15	84.9	0.02	13.97	100.44	43.7	18.3	67.5
777	13	85	0.01	14.1	100.44	35.5	18.2	67.5
712	12	84.9	0.01	14.38	100.44	34	18.2	67.5



724	11	84.9	0.01	14.26	100.65	35	18.2	67.5
731	9	84.9	0.01	14	100.65	33	18.2	67.5
730	9	84.9	0.01	14.29	100.54	32.7	18.2	67.3
730	8	84.9	0.01	13.56	100.65	33	18.2	67.5
715	9	84.9	0.02	13.24	100.54	35.2	18.2	66.5
805	9	84.9	0.02	14.22	100.44	40.5	18.2	67.1
788	8	84.9	0.01	13.27	100.65	36.2	18.2	67.5
775	4	85	0.01	14.35	100.44	37.5	18.2	67.5
774	2	84.9	0.01	13.85	100.54	36.4	18.2	67.5
764	2	85	0.01	14.26	100.44	36.7	18.2	67.5
761	2	85	0.01	14.19	100.33	37.9	18.2	67.5
722	2	85	0.02	14.13	100.65	33.2	18.2	67.5
727	2	85	0.01	14.19	100.44	35	18.2	67.5
733	0	85	0.01	14.26	100.54	36.2	18.2	67.5
653	0	84.5	0.01	12.83	100.65	22.7	18.2	67.5
72	0	85	0.01	11.34	100.65	4.4	18.2	67.5
0	0	85	0.01	11.31	100.65	4.4	18.2	67.5
0	0	85	0.01	11.25	100.65	4.4	18.2	67.5
0	0	85	0.01	11.21	100.65	4.4	18.3	67.5
0	0	85	0.01	11.21	100.65	4.4	18.5	67.8
0	0	85	0.01	12.35	100.65	4.4	18.6	67.8
0	0	85	0.01	12.39	100.65	4.4	18.7	67.6
0	0	85	0.01	12.42	100.65	4.4	18.7	67.8
0	0	84.9	0.01		100.65	4.4	19	68

Cyl. 1	Cyl. 2	Cyl. 3	Cyl. 4	Cyl. 5	Accel. trac	Accel. trac	Accel. trac	Accel. supp
0	1	-1	-2	1	0.91	4.118	5	5
-1	1	0	0	0	0.905	4.118	5	5
0	0	0	0	0	0.905	4.118	5	5
2	0	-2	1	-1	0.905	4.118	5	5
-1	2	0	0	-1	0.905	4.118	5	5
-1	-1	2	1	-1	0.905	4.118	5	5
0	-1	0	0	1	0.926	4.102	5	5
-1	2	-2	-2	1	0.899	4.13	5	5
1	0	0	1	-1	0.899	4.13	5	5
0	0	-1	0	0	0.899	4.13	5	5
-2	2	1	1	-1	0.899	4.13	5	5
0	0	0	-2	1	1.023	4.005	5	5
2	2	-1	1	2	1.314	3.716	5	5
1	1	-2	1	-1	1.363	3.664	5	4.993
1	-1	2	2	-5	1.519	3.516	5	5
2	-1	-3	0	-1	1.702	3.335	5	5
0	0	-5	2	3	1.539	3.493	5	5.005
7	-1	3	0	1	1.243	3.789	5	5
0	1	-2	-5	-7	1.514	3.523	5	5
2	-2	-1	1	0	1.584	3.46	5	5
4	-2	2	2	1	1.664	3.375	5	5
0	-1	-1	1	1	1.25	3.783	5	5
0	0	2	0	-4	0.899	4.13	5	5
3	0	-1	-1	2	1.103	3.926	5	5
0	1	-1	-1	-6	1.572	3.466	5	5
3	0	0	-2	-1	1.432	3.595	5	5
3	0	-1	0	-2	1.314	3.71	5	5
1	2	0	-2	0	1.314	3.716	5	5
3	-1	2	0	1	1.46	3.579	5	5
1	-1	0	1	-1	1.286	3.743	5	5
-1	1	1	-1	0	1.158	3.868	5	5
0	0	0	0	1	1.023	4.005	5	5
2	0	-1	-2	1	1.06	3.966	5	5
1	-1	1	0	0	0.996	4.027	5	5
-1	1	1	-2	1	1.023	4.005	5	5
-1	2	0	-2	0	0.899	4.13	5	5
-5	2	2	-1	0	0.905	4.13	5	4.988
1	-3	1	2	1	0.899	4.13	5	5.005
0	-1	1	-1	1	0.905	4.125	5	5
-1	1	-3	0	3	1.383	3.653	5	5
2	-1	0	2	-3	1.26	3.772	5	5
2	-2	-1	0	1	1.487	3.551	5	5
1	1	-1	0	-1	1.136	3.891	5	5
2	0	0	1	-2	1.065	3.954	5	5
1	0	0	-1	-1	1.098	3.926	5	5
0	2	1	-2	1	0.926	4.102	5	5
-1	-2	1	0	-2	1.044	3.983	5	5

3	3	-2	-3	0	1.029	4	5	5
2	0	-1	0	0	0.899	4.13	5	5
2	0	1	0	-1	0.899	4.13	5	5
2	1	-4	-9	0	0.899	4.13	5	5
0	2	0	-2	1	0.899	4.13	5	5
2	0	7	0	0	0.899	4.13	5	5
1	1	-2	0	-1	0.98	4.045	5	5
-3	2	2	0	3	1.19	3.841	5	5
0	0	2	-1	1	1.491	3.539	5	5
0	1	-2	-1	3	1.266	3.766	5	5
-1	1	-1	1	0	0.91	4.112	5	5
-1	-1	2	-1	1	0.899	4.13	5	5
-1	0	0	0	1	0.899	4.13	5	5
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1	2	-2	-5	7	1.977	3.068	5	5
1	1	-1	-3	2	1.945	3.096	5	5
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0	3	-3	-1	2	2.677	2.375	5	5
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5	-1	2	-5	-1	1.53	3.506	5	5
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-1	0	-2	1	2	1.783	3.26	5	5
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0	1	2	-2	-1	0.899	4.13	5	5

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4	0	-1	-1	-3	3.188	1.863	5	5
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-1	3	3	0	-2	1.901	3.141	5	5
-1	0	1	0	-1	1.896	3.148	5	5
-2	1	-2	-3	-5	0.894	4.13	5	5
-3	3	-4	3	1	1.169	3.862	5	5
-3	-3	3	-3	2	1.363	3.676	5	5
-1	2	4	-1	-2	2.181	2.868	5	5
0	2	4	-3	-3	2.45	2.596	5	5
-2	1	2	-2	1	2.03	3.016	5	5
-2	5	0	-2	-1	2.019	3.023	5	5
3	1	-1	-4	2	2.5	2.551	5	5
2	7	-1	-4	-4	2.683	2.375	5	5
-2	3	5	-2	-3	2.655	2.398	5	5
-1	5	2	-6	0	2.596	2.454	5	5
4	3	6	-4	-1	2.279	2.766	5	5
1	7	0	-6	-2	2.332	2.716	5	5
2	1	0	-1	-3	2.295	2.756	5	5
7	8	9	-10	-4	2.381	2.671	5	5
-4	5	3	-4	-1	2.661	2.391	5	5
0	1	4	-3	-2	2.714	2.346	5	5
-1	5	3	-5	-6	2.467	2.579	5	5
4	6	1	-3	-3	2.348	2.704	5	5
0	2	1	1	-4	2.299	2.75	5	5
1	6	2	-4	-2	2.332	2.716	5	5
3	4	0	-1	-5	2.311	2.739	5	5
-5	10	0	-7	-1	2.461	2.591	5	5
-2	6	-1	-2	-2	2.413	2.631	5	5
2	-1	3	-2	0	2.236	2.806	5	5
2	0	3	-5	0	2.132	2.914	5	5
1	1	0	1	1	2.164	2.881	5	5
-3	3	-3	2	1	1.96	3.079	5	5
4	1	4	-1	-8	0.899	4.13	5	5
-3	2	-1	1	1	0.899	4.13	5	5
3	0	1	-3	-1	0.899	4.13	5	5
3	-1	1	0	-3	0.899	4.13	5	5
1	-2	1	2	-2	0.899	4.13	5	5
2	3	-5	-1	4	1.831	3.216	5	5
-1	2	3	-3	-1	2.622	2.437	5	5
-2	2	3	-3	0	3.108	1.955	5	5
-1	1	6	-3	-3	3.371	1.7	5	5
5	-2	12	-9	-6	3.421	1.654	5	5
4	4	8	-7	-9	2.871	2.181	5	5
1	2	1	0	-2	1.302	3.737	5	5
-3	1	-2	0	4	2.72	2.335	5	5
-2	2	5	-2	-3	2.979	2.079	5	5
-2	2	0	-2	-1	1.681	3.352	5	5
-4	4	-3	0	3	0.91	4.118	5	5.005

-2	2	0	0	0	0.91	4.112	5	5
2	-3	3	-2	-3	1.174	3.858	5	5
-6	6	5	-7	-3	2.015	3.033	5	5
-2	2	1	-3	-3	2.908	2.148	5	5
-4	1	4	-1	0	2.908	2.148	5	5
0	0	4	-2	-2	2.677	2.369	5	5
-2	1	4	-3	0	2.536	2.512	5	5
-1	2	2	-2	-3	2.326	2.721	5	5
-3	1	4	-1	-2	2.602	2.448	5	5
0	-1	7	-3	-3	2.877	2.177	5	5
5	8	4	-9	-8	3.496	1.575	5	5
-2	2	1	0	-1	0.894	4.136	5	5
0	0	3	-2	3	1.761	3.278	5	5
-3	4	3	1	-1	2.058	2.983	5	5
-3	3	1	-4	0	2.144	2.908	5	5
-2	2	4	-3	-2	2.403	2.641	5	5
-3	4	3	-2	-3	2.299	2.75	5	5
-2	5	1	-3	-1	1.853	3.193	5	5
0	5	-2	-5	2	1.169	3.858	5	5
0	0	1	-1	-2	0.894	4.136	5	5
-2	3	2	-5	-1	1.508	3.528	5	5
1	3	5	-3	-1	1.697	3.346	5	5
-3	5	4	-1	2	1.891	3.158	5	5
1	1	0	-3	-1	1.659	3.381	5	5
-1	0	4	-4	3	1.664	3.375	5	5
2	-1	1	-2	0	1.788	3.256	5	5
0	2	2	0	-4	1.669	3.368	5	5
-2	1	-5	-3	-5	1.126	3.903	5	5
1	-3	4	-2	1	1.437	3.595	5	5
7	8	7	-4	8	2.289	2.762	5	5
-4	2	3	-1	0	2.914	2.148	5	5
-1	3	1	-4	-2	2.747	2.306	5	5
-1	5	3	-1	-1	1.702	3.329	5	5
-1	3	3	-3	10	0.889	4.136	5	5
-2	-2	-2	-1	-3	0.894	4.136	5	5
-4	4	3	-6	-1	1.911	3.131	5	5
3	0	1	-3	2	2.015	3.029	5	5
0	1	5	-3	-2	1.965	3.079	5	5
-1	1	-1	-4	2	1.771	3.273	5	5
1	-1	2	-1	0	1.729	3.306	5	5
4	-3	3	-3	-1	2.019	3.023	5	5
3	-4	-2	0	0	2.052	2.989	5	5
2	-1	-3	0	2	2.095	2.954	5	5
0	-3	0	3	0	2.03	3.01	5	5
0	0	0	-1	0	1.918	3.125	5	5
1	-2	3	0	-2	1.939	3.108	5	5
0	1	2	-3	1	1.821	3.216	5	5
1	-3	2	1	-4	1.848	3.193	5	5
2	0	-2	-2	2	1.939	3.108	5	5
1	2	-2	0	2	2.138	2.914	5	5

3	-1	-1	1	2	2.316	2.733	5	5
2	1	-3	-3	-7	2.197	2.846	5	5
-2	4	0	-4	-2	2.187	2.858	5	5
-1	-4	1	1	3	2.299	2.744	5	5
0	5	4	-6	-1	2.418	2.625	5	5
1	2	3	-2	-5	2.348	2.698	5	5
0	4	3	-6	-1	2.252	2.796	5	5
1	0	0	-6	-1	2.252	2.796	5	5
0	3	2	-2	-1	2.428	2.619	5	5
0	6	6	-4	-1	2.532	2.512	5	5
-3	3	1	-2	1	2.483	2.562	5	5
-1	6	1	-4	-2	1.911	3.131	5	5
-3	4	0	-3	2	1.911	3.125	5	5
-3	4	-1	-1	0	2.068	2.977	5	5
-2	1	-1	-3	1	2.381	2.664	5	5
1	2	3	-4	0	2.381	2.664	5	5
-2	1	4	-2	-2	2.52	2.523	5	5
1	2	3	-1	-5	2.342	2.704	5	5
1	3	6	-5	-5	2.316	2.733	5	5.005
-2	1	3	0	-4	2.332	2.71	5	5
-3	-2	4	-1	2	2.424	2.619	5	5
-3	5	4	-4	2	2.413	2.631	5	5
0	2	-1	1	-2	2.424	2.625	5	5
-1	4	3	0	-4	2.607	2.444	5	5
-2	5	4	0	-2	2.622	2.427	5	5
-4	5	2	-3	0	2.128	2.921	5	5
2	1	1	-3	-1	2.144	2.904	5	5
-1	3	1	-3	-1	2.219	2.823	5	5
-2	1	-2	-3	4	1.982	3.062	5	5
-1	2	-2	-2	3	1.928	3.108	5	5
3	0	-2	-1	2	1.982	3.056	5	5
2	0	-3	1	-1	2.073	2.971	5	5
0	-2	-1	4	-2	2.085	2.96	5	5
-4	0	-3	2	1	2.326	2.721	5	5
-5	2	-1	0	0	2.72	2.329	5	5
0	3	4	-1	2	2.45	2.596	5	5
-4	1	2	-1	0	2.489	2.556	5	5
-4	1	4	1	4	2.607	2.444	5	5
-3	4	3	-3	-3	2.434	2.608	5	5
-3	1	1	-1	-1	2.612	2.437	5	5
-2	-1	3	-4	4	2.64	2.408	5	5
-3	3	4	-2	-1	2.434	2.608	5	5
-1	4	3	-3	0	2.375	2.664	5	5
0	0	4	-3	-2	2.365	2.681	5	5
0	3	1	-4	-1	2.224	2.818	5	5
0	2	-2	-1	1	2.187	2.858	5	5
1	1	-3	-1	0	2.121	2.921	5	5
1	0	-4	-1	1	2.052	2.989	5	5
3	-4	1	0	0	2.03	3.01	5	5
2	-3	-1	0	3	2.042	3	5	5



2	0	1	-1	-2	2.085	2.96	5	5
1	1	2	1	-2	2.187	2.852	5	5
2	-3	1	0	-1	2.079	2.96	5	5
-1	0	1	0	3	1.95	3.091	5	5
-2	-1	3	3	2	1.686	3.352	5	5
-1	0	1	-1	-3	1.557	3.477	5	5
1	0	1	-1	-2	1.223	3.806	5	5
-2	2	1	-3	0	0.894	4.136	5	5
-1	1	0	-1	1	0.894	4.136	5	5
4	8	5	0	2	0.894	4.136	5	5
0	0	3	-3	0	0.894	4.136	5	5
3	2	5	-6	0	0.894	4.136	5	5
0	0	1	0	-1	1.449	3.585	5	5
-2	5	0	-4	0	2.24	2.812	5	5
-1	3	3	-4	-2	2.612	2.444	5	5
-2	6	1	-4	-1	2.046	2.989	5	5
-2	-6	-5	-2	-2	1.357	3.676	5	5
-2	2	-1	0	3	1.223	3.806	5	5
3	1	2	-1	-2	1.233	3.795	5	5
11	-2	9	0	1	1.659	3.381	5	5
3	-1	5	-1	-2	2.516	2.533	5	5
0	3	2	-3	5	2.816	2.239	5	5
-3	3	3	-3	0	2.931	2.125	5	5
-3	3	6	-2	-1	2.569	2.471	5	5
-4	5	3	-2	-1	2.219	2.823	5	5
1	1	1	-3	3	1.972	3.068	5	5
1	4	0	-2	1	1.988	3.051	5	5
6	2	-3	-2	0	1.842	3.193	5	5
-1	-1	-2	1	3	1.993	3.046	5	5
-2	1	0	-3	1	1.993	3.046	5	5
4	0	-2	-2	0	1.901	3.141	5	5
5	0	-4	-1	0	1.788	3.256	5	5
-3	3	-7	2	5	1.627	3.408	5	5
0	2	4	0	-2	1.524	3.506	5	5
-2	2	1	-1	2	1.567	3.466	5	5
-1	1	0	0	0	1.508	3.528	5	5
0	-1	3	-2	0	1.314	3.716	5	5
-1	1	0	0	3	0.899	4.13	5	5
0	2	1	-2	-1	0.899	4.13	5	5
-2	0	2	1	3	0.899	4.13	5	5
-4	1	-2	-3	-5	1.297	3.737	5	5
1	-2	5	-1	-4	2.009	3.033	5	5
-1	-11	14	-1	-1	2.5	2.546	5	5
-2	-5	-1	-1	1	2.213	2.829	5	5
2	0	0	-1	3	2.025	3.016	5	5
1	1	-4	-2	4	1.491	3.539	5	5
1	-1	2	1	-3	1.243	3.783	5	5
1	-1	0	0	2	0.996	4.027	5	5
0	-3	0	0	-4	0.915	4.107	5	5
1	-2	4	-2	-2	0.915	4.112	5	5

0	0	2	2	-2	0.915	4.112	5	5
1	1	0	-1	0	0.899	4.13	5	5
1	0	0	0	-1	1.055	3.97	5	5
2	-3	1	2	9	1.34	3.693	5	5
0	-1	-3	1	3	1.228	3.801	5	4.993
-3	-1	1	5	3	0.91	4.118	5	5
3	-4	2	-1	0	0.91	4.118	5	5
3	-2	1	-2	0	0.91	4.118	5	5
2	-2	0	-1	0	0.91	4.118	5	5
2	-3	1	0	1	0.91	4.118	5	5
1	1	0	-2	0	1.918	3.125	5	5
5	-3	4	-1	-7	0.921	4.107	5	5
2	-2	0	-2	1	0.921	4.107	5	5
2	-1	-1	-2	1	0.921	4.107	5	5
-1	2	-14	3	1	0.921	4.107	5	5
-4	-1	-1	3	10	0.915	4.107	5	5
-4	-1	-1	3	10	0.915	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5
-4	-1	-1	3	10	0.915	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5
-4	-1	-1	3	10	0.921	4.107	5	5

EGR inlet (° EGR mod. Idle speed Wastegate mod.(%)

0	0	7	0
0	0	9	0
0	0	2	0
0	0	2	0
0	0	3	0
0	0	5	0
0	0	0	0
0	0	1	0
0	0	4	0
0	0	11	0
0	0	13	0
0	0	4	0
0	0	-15	0
0	0	-8	0
0	0	42	0
0	0	115	0
0	0	-63	0
0	0	-30	0
0	0	-19	0
0	0	-35	0
0	0	-30	0
0	0	62	0
0	0	71	0
0	0	31	0
0	0	-47	0
0	0	-36	0
0	0	-8	0
0	0	-2	0
0	0	-18	0
0	0	-3	0
0	0	11	0
0	0	44	0
0	0	40	0
0	0	27	0
0	0	24	0
0	0	31	0
0	0	26	0
0	0	19	0
0	0	17	0
0	0	-31	0
0	0	-27	0
0	0	-36	0
0	0	-13	0
0	0	19	0
0	0	13	0
0	0	5	0
0	0	-14	0

0	0	-23	0
0	0	-18	0
0	0	93	0
0	0	76	0
0	0	47	0
0	0	32	0
0	0	26	0
0	0	-32	0
0	0	-39	0
0	0	-23	0
0	0	20	0
0	0	37	0
0	0	31	0
0	0	29	0
0	0	24	0
0	0	14	0
0	0	18	0
0	0	-29	0
0	0	378	0
0	0	310	0
0	4	268	0
0	0	63	0
0	0	47	0
0	0	7	0
0	0	74	0
0	0	405	0
0	0	474	0
29.75	0	857	0
0	0	913	0
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0	0	375	0
0	0	622	0
0	0	862	0
0	3.95	981	0
0	0	945	0
0	0	777	0
0	0	659	0
0	0	543	0
0	0	479	0
0	0	342	0
0	0	214	0
0	0	26	0
0	0	2	0
0	0	-56	0
0	0	78	0
0	0	205	0
0	0	360	0
0	0	472	0
0	0	490	0
0	0	466	0

0	0	476	0
0	0	246	0
0	0	-4	0
0	48.04	12	0
0	45.38	-3	0
0	11.06	32	0
0	0	169	0
0	0	-32	0
0	0	48	0
0	0	115	0
0	0	155	0
0	0	72	0
0	0	18	0
0	48.45	12	0
0	44.86	12	0
0	42.27	10	0
0	0	27	0
0	0	-31	0
0	0	392	0
0	0	542	0
27.47	0	1072	27.75
0	0	1435	0
0	0	539	0
0	0	687	0
26	0	1017	26.2
25.2	0	1408	25.22
0	0	1677	0
0	0	883	0
0	0	871	0
26.62	0	1011	26.61
27.47	0	1156	27.63
27.92	32	1234	28.17
27.35	7.75	1280	27.53
0	0	1327	0
0	0	751	0
0	0	641	0
0	0	675	0
0	14	717	0
0	0	735	0
0	2.76	753	0
0	0	729	0
0	0	688	0
0	0	651	0
0	0	627	0
0	0	609	0
0	0	581	0
0	0	527	0
0	0	530	0
0	0	560	0
0	0	570	0

0	0	600	0
0	0	630	0
0	0	629	0
0	0	533	0
0	0	472	0
0	0	467	0
0	0	492	0
0	0	461	0
0	0	394	0
0	0	411	0
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0	0	13	0
0	0	7	0
0	49	7	0
0	51.4	7	0
0	51.06	8	0
0	0	48	0
0	0	86	0
0	0	447	0
0	3.93	765	0
0	0	919	0
0	0	119	0
0	0	75	0
0	34	93	0
0	0	182	0
0	0	355	0
0	0	557	0
0	0	674	0
0	0	683	0
0	8	834	0
28.86	0	1071	28.8
0	0	881	0
0	0	292	0
0	0	352	0

0	14.97	417	0
0	0	423	0
0	0	376	0
0	0	375	0
0	0	398	0
0	0	451	0
0	0	487	0
0	0	534	0
0	0	603	0
0	0	679	0
0	1.24	705	0
0	1.41	721	0
0	7.79	768	0
0	17.53	801	0
0	24.12	813	0
0	19.7	725	0
0	25.13	804	0
0	25.29	742	0
0	20.77	714	0
0	12.93	655	0
0	0	620	0
0	0	583	0
0	0	597	0
0	0	682	0
0	0	776	0
0	0	848	0
0	0	923	0
0	0	974	0
28.26	0	1008	28.62
25.8	0	1115	25.8
25.34	0	1273	25.34
25.27	0	1435	25.29
0	0	1193	0
0	0	791	0
0	0	722	0
0	16	737	0
0	0	729	0
0	0	779	0
0	0	702	0
0	0	612	0
0	2	537	0
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0	0	299	0
0	1.37	-12	0
0	0	240	0
0	0	-19	0
0	0	-8	0
0	0	25	0
0	0	17	0
0	0	11	0

0	50.86	5	0
0	52.22	3	0
0	56.09	6	0
0	57.68	6	0
0	59.09	4	0
0	60.06	6	0
0	62.2	7	0
0	64.22	3	0
0	65.76	9	0
0	66.25	7	0
0	68.66	4	0
0	34.08	-79	0
0	0	384	0
0	0	206	0
0	0	55	0
0	0	42	0
0	0	33	0
0	50.72	27	0
0	54.4	18	0
0	56.29	16	0
0	58.84	12	0
0	59.31	13	0
0	60.95	-1	0
0	64.08	4	0
0	65.76	1	0
0	66.76	3	0
0	70.9	-1	0
0	0	-2	0
0	0	6	0
0	0	-1	0
0	51.7	0	0
0	0	-12	0
0	0	-13	0
0	0	-5	0
0	0	21	0
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0	0	2	0
0	0	-14	0
0	52.15	-8	0
0	54.5	3	0
0	0	28	0
0	0	16	0
0	0	5	0
0	53.29	-7	0
0	46.36	-21	0
0	26.9	-5	0
0	0	372	0
0	0	285	0



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0	0	614	0
25.36	0	1244	25.45
0	0	1852	0
0	0	827	0
26.02	0	1031	26.1
25.2	0	1425	25.23
0	34	1786	0
0	0	1025	0
0	0	853	0
0	0	977	0
25.73	0	1121	25.75
25.34	0	1275	25.34
25.23	0	1442	25.23
25.13	0	1584	25.14
0	0	1701	0
0	0	924	0
0	0	925	0
0	0	983	0
26.31	0	1059	26.37
25.78	0	1124	25.79
28.05	30.42	1183	28.11
29.19	0	1225	29.07
29.12	0	1230	0
25.45	0	1254	25.65
25.32	0	1315	25.32
27.57	40	1405	27.15
26.98	0	1414	27.15
25.23	0	1474	25.23
25.19	0	1542	25.19
0	59.13	1585	0
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0	0	956	0
0	0	942	0
0	7.69	925	0
0	1.57	908	0
0	0	887	0
0	0	879	0
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0	0	851	0
0	6.96	843	0
0	0	933	0
0	0	841	0
0	0	740	0
0	0	655	0
0	0	633	0

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0	0	617	0
0	0	615	0
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0	0	681	0
0	0	576	0
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0	0	956	0
0	0	976	0
0	0	994	0

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0	0	1008	0
0	0	1009	0
0	0	1006	0
26.97	0	1018	26.96
26.54	0	1036	26.56
27.65	0	1044	27.68
27.43	0	1052	27.5
26.63	0	1054	26.63
29.72	32	1057	29.46
0	0	1051	0
0	0	1017	0
0	0	998	0
0	0	980	0
0	0	976	0
0	0	972	0
0	0	971	0
0	0	994	0
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0	0	779	0
0	0	790	0
0	0	809	0
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0	0	763	0
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0	11.93	707	0
0	16	695	0
0	14.5	668	0
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0	0	382	0
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0	0	-7	0
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0	0	672	0
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0	8.93	-19	0
0	11.19	-16	0
0	13.3	-4	0
0	0	-41	0
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0	0	255	0
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0	0	623	0
0	0	575	0
0	0	430	0
0	0	-21	0
0	52.68	-14	0
0	55.31	-9	0
0	59.18	-9	0
0	0	-35	0
0	0	106	0
0	0	258	0
25.56	0	1046	25.76
25.39	0	2040	25.4
0	0	2767	0
26.69	0	1290	26.3
27.15	0	1526	26.84
0	61.04	1595	0
0	77.36	1524	0
0	80	1422	0

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0	80	1371	0
0	71.84	1382	0
0	65.77	1427	0
0	57.58	1455	0
25.9	0	1537	26.29
25.2	0	1846	25.18
25.3	0	2247	25.29
25.46	0	2583	25.45
25.69	0	2882	25.68
25.56	0	3164	25.56
25.54	0	3428	25.53
0	0	2913	0
25.25	0	2044	25.23
25.28	0	2208	25.29
25.31	0	2333	25.29
25.32	0	2457	25.32
25.36	0	2592	25.37
25.42	0	2691	25.38
25.42	0	2777	25.42
25.43	0	2848	25.43
25.45	0	2913	25.45
25.46	0	2971	25.45
25.48	0	3033	25.47
25.48	0	3067	25.48
25.51	0	3110	25.5
25.51	0	3149	25.51
25.5	0	3192	25.5
25.51	0	3221	25.5
0	0	2949	0
25.23	0	1961	25.29
25.19	0	1989	25.2
25.2	0	1988	25.21
25.21	0	1994	25.21
25.21	0	2024	25.22
26.2	0	2018	25.25
26.39	7.59	1959	0
25.19	0	1956	25.2
26.17	26	1930	26.11
25.95	0	1917	26.13
25.21	0	1913	25.21
25.2	0	1943	25.2
26.35	24	1938	26.09
0	0	1903	0
0	0	1856	0
0	0	1797	0
0	0	1737	0
0	0	1679	0
0	26.64	1621	0
0	40.59	1525	0

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0	0	1442	0
0	0	1341	0
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0	0	1129	0
0	0	818	0
0	0	327	0
0	0	1247	0
0	0	951	0
0	0	617	0
0	0	-28	0
0	0	512	0
0	0	808	0
28.2	0	971	28.07
29.2	2	1282	28.81
28.53	0	1424	28.51
26.03	0	1524	26.2
25.35	0	1765	25.31
25.36	0	2047	25.36
0	32	2306	0
28	0	1088	28.36
25.62	0	1234	25.7
25.29	0	1346	25.31
25.2	0	1477	25.21
25.13	0	1604	25.13
25.15	0	1734	25.15
25.19	0	1856	25.19
25.23	0	1976	25.21
25.26	0	2089	25.28
25.29	0	2199	25.28
25.29	0	2314	25.3
0	0	2397	0
27.95	0	1400	0
25.25	0	1442	25.26
25.28	0	1514	25.27
25.17	0	1564	25.17
25.44	0	1624	25.46
26.45	0	1648	26.37
26.72	0	1664	26.88
26.89	0	1672	26.89
26.97	0	1665	26.95
27.07	0	1681	27.05
27.36	0	1673	27.35
27.27	0	1674	27.19
26.92	0	1670	27.05
26.68	0	1665	26.7
26.63	0	1672	26.59
26.63	0	1693	26.51
25.21	0	1712	25.32
0	0	1730	0

0	0	1122	0
28.2	0	1060	28.45
28.01	0	1061	27.97
28.2	0	1068	28.17
28.13	0	1087	28.19
27.38	0	1083	27.38
27.4	0	1101	27.43
27.46	0	1104	27.56
27.65	0	1097	27.62
27.51	0	1104	27.48
27.51	0	1092	27.5
27.69	0	1104	27.73
27.61	0	1104	27.6
27.59	0	1101	27.62
27.62	0	1104	27.6
27.15	0	1107	27.2
26.76	0	1111	26.75
26.7	0	1129	26.63
26.62	0	1127	26.56
26.54	0	1140	26.62
26.56	0	1154	26.55
26.69	0	1164	26.7
26.73	0	1171	26.69
26.67	0	1177	26.68
26.79	0	1185	26.77
26.68	0	1180	26.76
26.61	0	1193	26.54
26.55	0	1209	26.54
26.6	0	1200	26.54
26.44	0	1210	26.55
26.61	0	1195	26.61
26.56	0	1186	26.62
26.59	0	1207	26.54
26.57	0	1186	26.62
26.55	0	1186	26.56
26.51	0	1191	26.51
26.57	0	1178	26.55
26.52	0	1174	26.45
26.1	0	1161	26.2
25.79	0	1161	25.92
25.71	0	1157	25.7
25.7	0	1161	25.68
25.7	0	1165	25.7
25.72	0	1157	25.76
25.73	0	1158	25.72
25.69	0	1166	25.68
25.73	0	1170	25.7
25.7	0	1160	25.7
25.7	0	1159	25.7
25.7	0	1151	25.7

25.77	0	1148	25.8
25.81	0	1147	25.84
25.79	0	1144	25.77
26.37	0	1141	26.31
25.93	0	1153	25.98
29.23	12	1140	29.18
29.39	0	1122	29.42
29.52	0	1101	29.52
29.82	0	1079	29.87
30	0	1063	29.98
30	0	1035	30
30	0	1010	30
30	0	991	30
0	0	980	0
0	11.1	970	0
0	0	958	0
0	0	977	0
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0	57.15	768	0
0	54.33	738	0
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0	0	759	0
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0	26	557	0
0	0	306	0
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0	0	40	0
0	0	149	0
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0	0	416	0
0	0	456	0
0	6.55	414	0
0	0	224	0
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0	22.2	74	0
0	0	94	0
0	0	121	0
0	0	142	0
0	0	159	0
0	0	199	0
0	0	243	0
0	0	282	0



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0	0	429	0
0	0	505	0
0	0	578	0
0	0	659	0
0	0	730	0
0	0	809	0
0	0	891	0
0	0	965	0
26.31	0	1047	26.37
25.79	0	1115	25.78
25.54	0	1202	25.54
25.5	0	1254	25.55
25.34	0	1313	25.34
25.3	0	1384	25.29
25.25	0	1465	25.25
25.2	0	1500	25.2
0	0	1545	0
0	0	1005	0
0	0	953	0
0	0	980	0
0	0	1003	0
26.37	0	1035	26.38
26.21	0	1077	26.21
25.87	0	1109	25.92
25.73	0	1151	25.77
25.69	0	1187	25.63
25.51	0	1224	25.51
25.42	0	1273	25.5
25.34	0	1308	25.36
26.84	0	1340	26.77
26.52	0	1369	26.54
26.56	0	1384	26.65
0	21.8	1394	28.96
0	7.92	1388	0
27.67	0	1382	27.93
26.57	0	1387	26.61
26.43	0	1396	26.36
26.26	0	1422	26.28
26.92	34	1419	26.94
27.12	0	1436	27.11
25.88	0	1433	26.02
25.37	0	1447	25.32
25.42	0	1473	25.45
25.38	0	1483	25.37
25.35	0	1496	25.34
25.35	0	1516	25.32
25.37	0	1530	25.36
25.43	0	1544	25.38

25.37	0	1533	25.37
26.12	0	1530	26.11
26.03	0	1542	26.1
26.4	0	1520	26.37
26.43	0	1514	26.38
26.36	0	1510	26.38
26.43	0	1505	26.35
26.29	0	1499	26.29
26.12	0	1492	26.07
26	0	1503	26
25.97	0	1492	25.96
25.95	0	1503	25.97
26.02	0	1501	26.03
26.04	0	1494	26.04
26.2	0	1512	26.17
26.62	0	1498	26.53
26.52	0	1496	26.45
26.45	0	1480	26.48
26.15	0	1474	26.19
26.14	0	1461	26.13
26.19	0	1465	26.17
26.25	0	1460	26.23
26.02	0	1446	26.06
25.61	0	1430	25.62
25.62	0	1441	25.7
25.61	0	1423	25.6
25.63	0	1407	25.62
25.62	0	1421	25.65
25.62	0	1419	25.62
25.57	0	1410	25.57
25.6	0	1403	25.57
25.67	0	1409	25.64
25.67	0	1419	25.7
25.65	0	1407	25.68
26.57	0	1392	26.55
27.04	0	1395	26.98
0	27.34	1384	0
0	0	1439	0
0	0	1368	0
0	0	1275	0
0	0	1192	0
0	0	1105	0
0	0	1011	0
0	0	908	0
0	0	817	0.29
0	0	710	0
0	0	606	0
0	0	458	0
0	1.99	16	0
0	3.94	-25	0

0	3.42	-20	0
0	4.19	-12	0
0	1.53	-4	0
0	0	-2	0
0	0	-80	0
0	0	367	0
0	0	1084	28.89
0	0	707	0
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0	0	798	0
26.14	0	1214	26.28
26.3	0	1567	25.65
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0	0	962	0
27.92	0	1144	27.88
28.71	5.03	1273	28.62
26.71	0	1376	26.9
25.3	0	1526	25.32
27.3	0	1699	26.11
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0	0	1003	0
27.01	0	1062	26.97
26.67	0	1139	26.69
26.43	0	1218	26.45
26.25	0	1284	26.27
26.2	0	1370	26.15
26	0	1437	26
25.88	0	1483	25.75
25.21	0	1549	25.22
27.29	38	1627	26.34
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26.69	0	1035	26.71
26.68	0	1064	26.69
27.4	0	1085	27.36
27.1	0	1114	27.1
26.78	0	1149	26.87
26.81	0	1175	26.77
28.07	0	1186	27.87
28.36	0	1188	28.36
28.03	0	1196	27.97
28.34	0	1214	28.35
28	0	1209	27.98
27.4	0	1231	27.34
27.5	0	1231	27.5
28.05	0	1244	27.92
28.55	0	1256	28.5
28.77	0	1247	28.72
28.78	0	1244	28.79

29.62	0	1226	29.55
0	0	1213	0
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0	0	1176	0
0	0	1161	0
29.64	0	1146	29.57
29.51	0	1136	29.47
30	0	1135	29.95
0	0	1104	0
0	12.68	1140	0
0	0	1151	0
0	0	1066	0
0	0	1012	0
0	0	950	0
0	0	892	0
0	0	745	0
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0	0	19	0
0	0	474	0
0	0	385	0
0	0	418	0
0	0	522	0
0	0	653	0
0	0	777	0
0	0	914	0
26.46	0	1032	26.62
25.68	0	1150	25.73
25.45	0	1275	25.4
25.42	0	1376	25.43
25.38	0	1473	25.4
0	0	1514	0
0	0	786	0
0	0	763	0
0	0	807	0
0	0	849	0
0	0	906	0
0	0	941	0
0	0	987	0
27.96	0	1023	28.03
27.43	0	1065	27.43
27.28	0	1111	27.29
27.23	0	1138	27.28
27.05	0	1175	27.04
27.76	0	1212	27.65
27.61	0	1219	27.64
28.14	30	1243	28.23
28	0	1279	28.07

26.96	0	1305	27.12
25.9	0	1364	25.57
0	0	1161	0
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0	0	839	0
0	0	871	0
0	0	916	0
0	0	950	0
0	0	980	0
0	26	1008	0
29.39	0	1043	29.39
29.71	0	1067	29.71
29.75	0	1082	29.67
30	0	1102	30
0	0	1120	0
0	0	1126	0
0	2.42	1147	0
29.56	0	1154	29.59
29.65	0	1167	29.65
0	0	1171	30
0	0	1169	0
0	0	1158	0
0	0	1165	0
28.53	0	1165	28.87
28.5	0	1170	28.51
29.01	0	1174	28.93
30	0	1167	29.97
29.43	0	1176	29.5
29.34	0	1160	29.4
29.47	0	1157	29.47
29.46	0	1142	29.52
28.32	0	1132	28.59
28.87	0	1128	28.84
29.57	0	1130	29.63
29.62	0	1114	29.63
29.37	0	1106	29.46
28.78	0	1107	28.81
28.61	0	1092	28.68
28.71	0	1088	28.61
28.7	0	1102	28.7
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29.97	0	1076	29.95
29.95	8.8	1067	29.97
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0	19.78	1091	0
0	0	1107	0
0	0	1057	0
0	0	999	0
0	0	914	0

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0	0	639	0
0	0	558	0
0	0	488	0
0	0	420	0
0	0	311	0
0	5.44	-28	0
0	6.71	-23	0
0	0	152	0
0	0	281	0
0	0	84	0
0	53.4	-35	0
0	0	-134	0
0	0	30	0
0	0	109	0
0	0	181	0
0	0	269	0
0	0	381	0
0	0	492	0
0	0	613	0
0	0	747	0
0	0	879	0
26.75	0	1039	26.87
25.76	0	1197	25.71
25.45	0	1368	25.45
0	0	1506	0
0	0	837	0
0	0	822	0
0	0	884	0
0	0	961	0
0	30	1006	0
29.45	0	1027	29.45
29.2	0	1060	29.23
29.29	0	1083	29.28
29.48	0	1122	29.45
29.54	0	1128	29.54
0	0	1137	0
0	0	1136	0
0	0	1127	0
29.12	0	1132	29.22
28.45	0	1157	28.59
28.22	0	1185	28.25
28.2	0	1222	28.12
28.42	0	1244	28.44
28.62	0	1280	28.59
28.05	0	1296	27.95
0	0	1288	0
0	0	727	0
0	0	750	0

0	24	758	0
0	0	757	0
0	5.15	769	0
0	8.15	749	0
0	18.51	755	0
0	25.21	725	0
0	0	770	0
0	0	724	0
0	0	662	0
0	18.04	575	0
0	0	545	0
0	0	588	0
0	0	563	0
0	0	509	0
0	0	512	0
0	0	518	0
0	0	524	0
0	0	526	0
0	0	518	0
0	0	504	0
0	0	492	0
0	0	478	0
0	0	485	0
0	0	490	0
0	0	484	0
0	0	486	0
0	0	465	0
0	0	465	0
0	0	460	0
0	0	445	0
0	0	451	0
0	0	441	0
0	0	418	0
0	0	448	0
0	0	449	0
0	0	223	0
0	50.99	-25	0
0	52.02	-18	0
0	51.29	-14	0
0	0	418	0
0	0	512	0
0	0	699	0
28.22	0	1004	28.23
26.71	0	1306	26.79
0	0	1528	0
0	0	767	0
0	0	657	0
0	0	745	0
0	0	859	0
0	0	709	0

0	0	39	0
0	50.7	-8	0
0	0	493	0
0	0	450	0
0	0	677	0
0	0	897	0
0	0	1016	0
0	0	1101	0
0	0	1156	0
27.89	0	1277	28.23
0	14.68	1484	0
0	0	907	0
0	0	748	0
0	0	646	0
0	31.06	633	0
0	0	622	0
0	0	641	0
0	0	686	0
0	0	693	0
0	0	639	0
0	0	541	0
0	23.03	493	0
0	0	442	0
0	0	457	0
0	0	424	0
0	0	415	0
0	0	388	0
0	0	401	0
0	0	328	0
0	0	251	0
0	10	327	0
0	0	449	0
0	0	578	0
0	0	583	0
0	0	501	0
0	0	385	0
0	6.76	380	0
0	0	386	0
0	0	387	0
0	0	412	0
0	0	346	0
0	0	331	0
0	0	338	0
0	0	338	0
0	0	338	0
0	0	333	0
0	0	328	0
0	0	310	0
0	0	281	0
0	0	255	0



0	0	262	0
0	0	289	0
0	0	305	0
0	0	313	0
0	0	346	0
0	0	383	0
0	0	411	0
0	0	427	0
0	2.97	445	0
0	0	501	0
0	0	560	0
0	0	600	0
0	0	602	0
0	0	566	0
0	0	545	0
0	0	582	0
0	0	616	0
0	0	660	0
0	0	674	0
0	0	690	0
0	0	703	0
0	0	723	0
0	0	740	0
0	0	802	0
0	0	851	0
0	0	919	0
0	9.43	922	0
0	4.34	913	0
0	21.1	932	0
0	30.51	919	0
0	43.04	880	0
0	48.68	866	0
0	55.45	842	0
0	31.62	805	0
0	0	824	0
0	0	877	0
0	0	898	0
0	0	917	0
0	0	954	0
0	0	978	0
0	0	1016	0
0	0	1034	0
0	0	1045	0
0	0	1068	0
0	0	1085	0
0	0	1085	0
0	0.96	1094	0
0	10.96	1087	0
0	13.6	1074	0
0	20.38	1066	0

0	9.72	1053	0
0	0	1040	0
0	5.75	1040	0
0	23.82	1052	0
0	31.56	1015	0
0	6.61	977	0
0	0	935	0
0	0	858	0
0	0	539	0
0	52.45	-21	0
0	53.31	-20	0
0	0	103	0
0	0	593	0
0	0	427	0
0	0	428	0
0	0	543	0
0	0	595	0
0	0	396	0
0	0	321	0
0	14.14	205	0
0	0	132	0
0	0	337	0
0	0	618	0
0	0	883	0
0	0	1020	0
0	14.15	1100	0
0	30.12	1132	0
0	46.79	1195	0
0	54.59	1109	0
0	72.09	1104	0
0	80	1102	0
0	80	1089	0
0	80	1070	0
0	64.76	915	0
0	52.56	827	0
0	18.79	723	0
0	0	621	0
0	0	490	0
0	0	355	0
0	13.64	213	0
0	3.72	83	0
0	0	15	0
0	0	-39	0
0	0	110	0
0	0	209	0
0	0	188	0
0	0	196	0
0	0	133	0
0	48.79	-32	0
0	51.86	-23	0

[illegible]