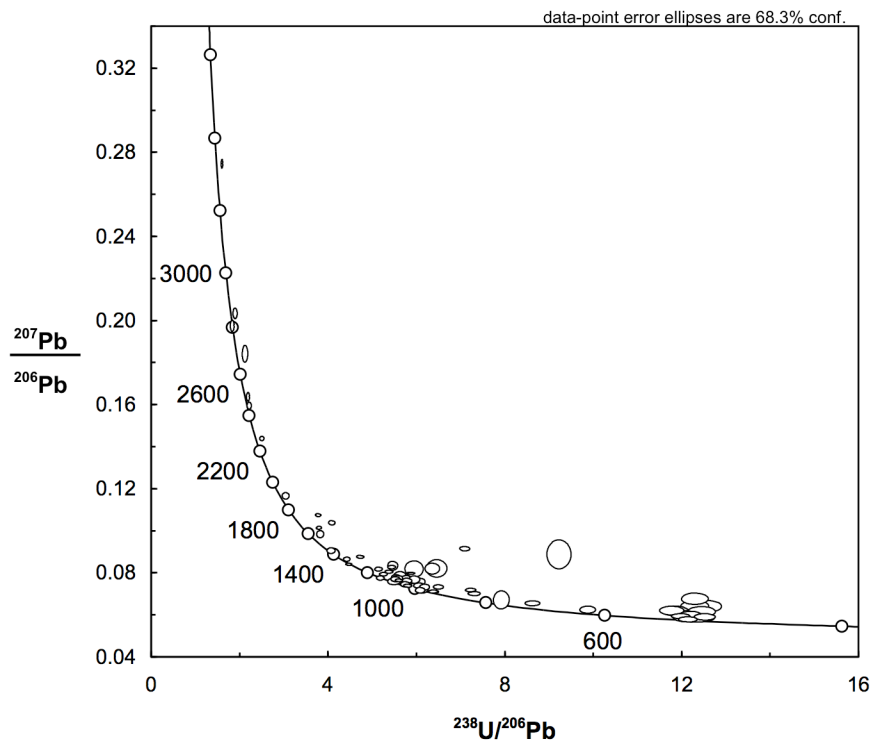


Sample **WL1**

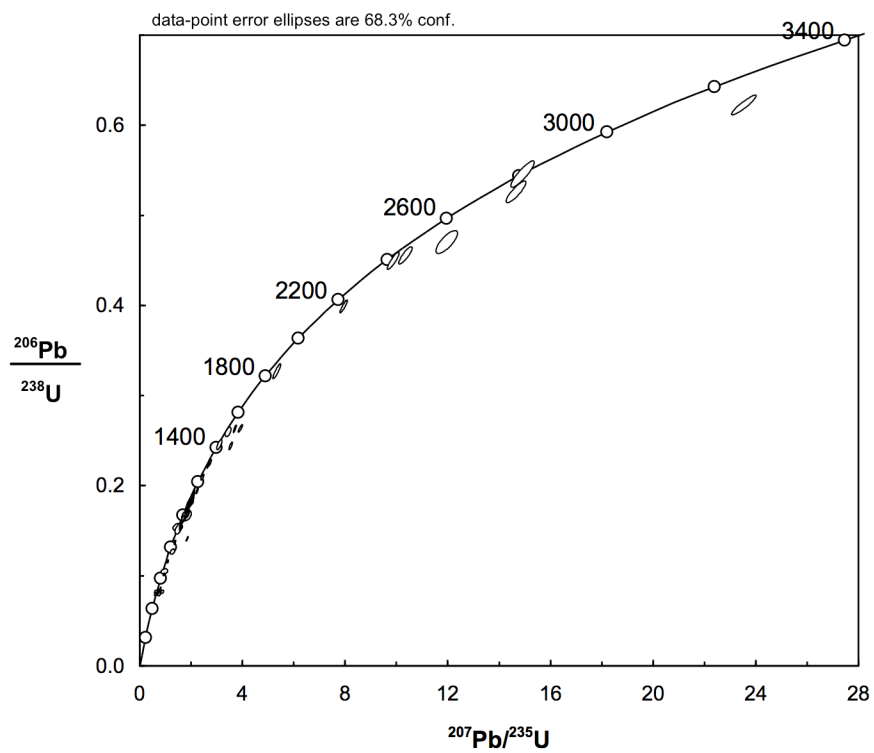
Initially sixty zircon grains were analysed from this sample in the normal random manner for detrital zircons in order to determine an age spectrum. From that data-set, the youngest 5 grains were analysed again in geochronology mode in order to better assess the crystallisation age of these youngest zoned igneous zircon grains. Overall, the majority of the analyses are dominated by radiogenic Pb. For those that are above the concordia curve on the Tera-Wasserbrug plot of total ratios, the Wetherill plot of the common Pb corrected data shows that the correction mostly accounts for this apparent enrichment/discordance. Nevertheless the analyses of grains 19, 22, 48 and 51 are considered discordant and the areas analysed interpreted to have lost radiogenic Pb.

Initially, eight of the grains analysed record $^{206}\text{Pb}/^{238}\text{U}$ ages between about 490 and 525 Ma, whilst the majority of the remainder yield Grenvillian ages. For this youngest series, including the repeat analyses of the youngest 5, they form a coherent single grouping on an enlarged Tera-Wasserbrug concordia plot, and form a relatively simple, though somewhat broadened, single peak on a probability density plot. Excluding the slightly older analysis of grain 36 (~523 Ma) the weighted mean $^{206}\text{Pb}/^{238}\text{U}$ age is 501.5 ± 7.4 Ma (12 analyses, MSWD = 1.4); although it could be argued that a better fit is obtained from selecting the youngest 10 analyses which give a mean of 498.4 ± 6.6 Ma (MSWD = 0.79). It is clear that there is a significant ~500 Ma detrital zircon component in this rock.

The remaining 56 (or 61) analyses are shown on the probability density plot Tera-Wasserburg concordia plot for all data from sample WL-1.



Wetherill concordia plot for sample WL-1.

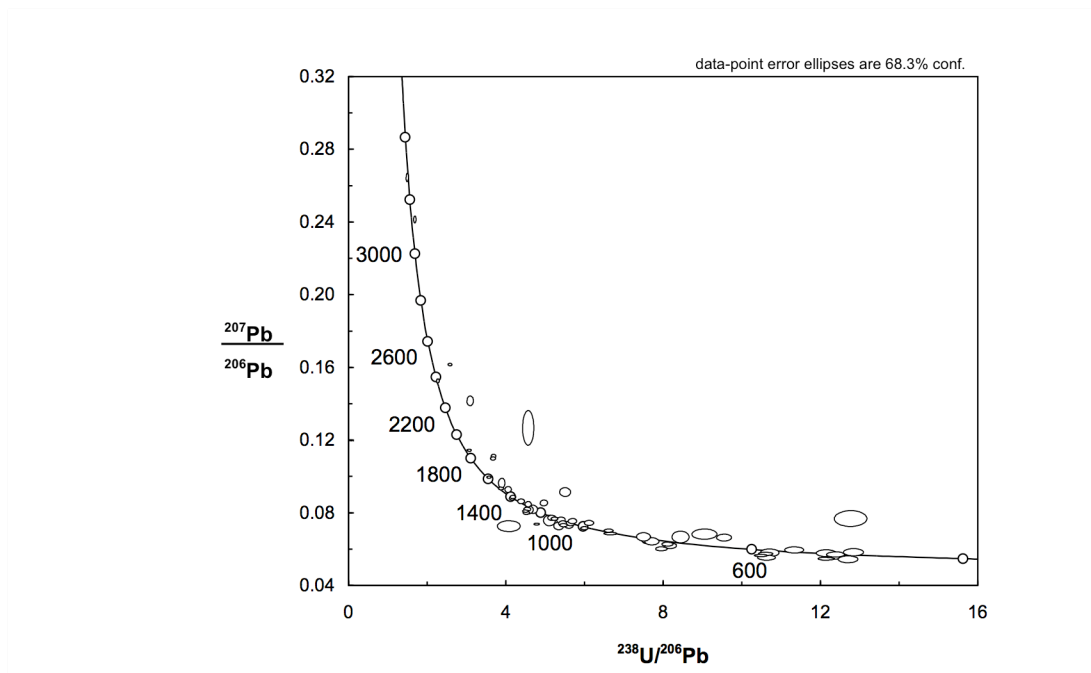


Sample WL-270

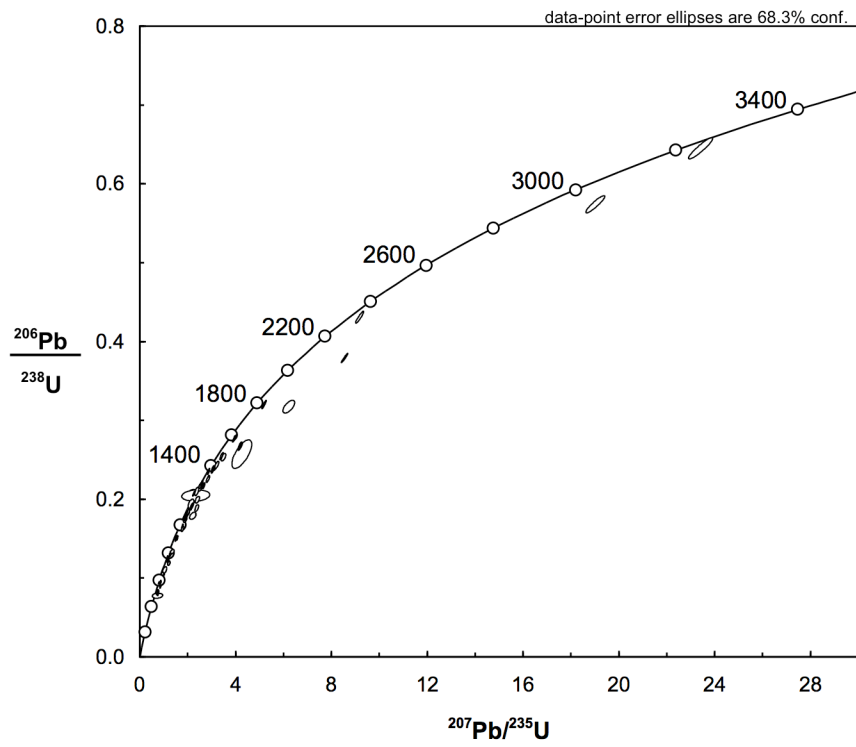
Initially sixty zircon grains were analysed from this sample in the normal random manner for detrital zircons in order to determine an age spectrum. From that data-set, the youngest 4 grains (and one ~1300 Ma grain 8) were analysed again in geochronology mode in order to better assess the crystallisation age of these zoned igneous zircon grains. Overall, the Tera-Wasserburg diagram shows some analyses plotting above the concordia curve. However, as can be seen on a Wetherill plot of the ^{204}Pb corrected data, most of this is accounted for by the measured common Pb.

In terms of the youngest grains, on the Tera-Wasserburg concordia diagram the analysis of grain 10 plots well above the other 10 analyses (including repeat analyses) that have $^{206}\text{Pb}/^{238}\text{U}$ ages between 482 ± 6 Ma and 516 ± 5 Ma (1 sigma errors). The 474 ± 12 Ma date for grain 10 is interpreted to be of an area of zircon that has lost radiogenic Pb; the repeat analysis of this grain gives 497 ± 8 Ma. For the other 10 analyses there is no single age grouping, but the probability density plot and mixture modeling suggests that there are groupings at about 489 ± 9 Ma and 508 ± 8 Ma.

The analyses of grains 4, 16, 43, 49, 51 and 58 are discordant and so not included in the probability density plot. All 60 analyses are shown on the the Tera-Wasserburg plots.



Tera-Wasserburg concordia plot for all data from sample WL-270.



Wetherill concordia plot for sample WL-270.

Table 1. SHRIMP U-Pb data for zircon grains from sample WL-1

Grain spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	²⁰⁴ Pb/ ²⁰⁶ Pb	f ₂₀₆ %	Total Ratios				Radiogenic Ratios				Age (Ma)			% Disc				
							²³¹ U/ ²³⁸ U ±	²⁰⁷ Pb/ ²⁰⁶ Pb ±	²⁰⁷ Pb/ ²³⁸ U ±	²⁰⁷ Pb/ ²³⁵ U ±	²⁰⁷ Pb/ ²⁰⁶ Pb ±	²⁰⁷ Pb/ ²⁰⁶ Pb ±	²⁰⁷ Pb/ ²⁰⁶ Pb ±	²⁰⁷ Pb/ ²⁰⁶ Pb ±	ρ	²⁰⁶ Pb/ ²³⁸ U ±	²⁰⁷ Pb/ ²⁰⁶ Pb ±		Age ±			
1.1	156	256	1.64	10.7	0.001070	1.92	12.510	0.198	0.0609	0.0016	0.0788	0.0012				489	11					
2.1	606	352	0.58	52.5	0.000038	0.07	9.915	0.115	0.0619	0.0011	0.1008	0.0012				619	7					
3.1	103	60	0.59	13.9	0.001074	1.85	6.383	0.106	0.0816	0.0017	0.1538	0.0027	1.402	0.127	0.0961	0.0059	0.196	922	15	811	185	-14
4.1	95	61	0.64	42.9	0.000148	0.20	1.895	0.029	0.2035	0.0017	0.5267	0.0080	14.654	0.290	0.2018	0.0018	0.861	2728	34	2941	15	4
5.1	137	99	0.72	53.8	-	<0.01	2.194	0.031	0.1638	0.0014	0.4558	0.0064	10.309	0.169	0.1640	0.0014	0.861	2421	28	2498	14	3
6.1	403	122	0.30	62.5	0.000011	0.02	5.540	0.066	0.0766	0.0008	0.1805	0.0022	1.902	0.030	0.0764	0.0008	0.765	1070	12	1106	20	3
7.1	1058	632	0.60	141.6	0.000020	0.03	6.416	0.070	0.0705	0.0005	0.1558	0.0017	1.508	0.020	0.0702	0.0005	0.828	933	9	935	15	0
8.1	298	98	0.33	44.2	0.000020	0.34	5.801	0.073	0.0756	0.0009	0.1718	0.0022	1.722	0.043	0.0727	0.0016	0.512	1022	12	1006	43	-2
9.1	123	175	1.42	8.4	0.000020	0.47	12.030	0.217	0.0635	0.0019	0.0788	0.0014					489	8				
10.1	393	301	0.76	83.0	0.000060	0.10	4.073	0.063	0.0903	0.0009	0.2453	0.0038	3.025	0.063	0.0895	0.0012	0.746	1414	20	1414	27	0
11.1	381	330	0.86	53.8	0.000137	0.23	6.084	0.078	0.0736	0.0008	0.1640	0.0021	1.620	0.034	0.0717	0.0012	0.616	979	12	976	34	0
12.1	388	96	0.25	53.7	0.000128	0.22	6.205	0.076	0.0727	0.0008	0.1608	0.0020	1.571	0.032	0.0709	0.0012	0.603	961	11	953	33	-1
13.1	82	58	0.70	38.7	0.0000204	0.27	1.831	0.033	0.1976	0.0018	0.5462	0.0098	14.892	0.301	0.1977	0.0018	0.887	2810	44	2807	15	0
14.1	000	332	0.55	00.1	0.000091	0.10	0.671	0.103	0.0650	0.0006	0.1151	0.0014	1.011	0.020	0.0637	0.0010	0.593	703	0	732	34	4
15.1	765	474	0.62	126.1	0.000038	0.06	5.210	0.058	0.0770	0.0006	0.1918	0.0021	2.021	0.028	0.0764	0.0006	0.813	1131	12	1106	16	-2
16.1	148	105	0.71	10.3	-	<0.01	12.370	0.213	0.0636	0.0019	0.0815	0.0014					505	9				
17.1	1551	18	0.01	296.6	0.000025	0.04	4.492	0.048	0.0837	0.0004	0.2227	0.0024	2.583	0.030	0.0841	0.0004	0.909	1296	13	1295	10	0
18.1	204	176	0.86	79.1	0.000069	0.10	2.220	0.031	0.1594	0.0011	0.4501	0.0063	9.836	0.158	0.1585	0.0012	0.880	2396	28	2440	13	2
19.1	1105	42	0.64	133.4	0.000045	0.09	7.119	0.070	0.0912	0.0006	0.1404	0.0015	1.753	0.024	0.0906	0.0007	0.759	847	9	1436	16	41
20.1	890	176	0.20	62.7	0.000195	0.35	12.188	0.141	0.0574	0.0007	0.0818	0.0009					507	6				
21.1	806	146	0.18	106.0	0.000092	0.16	6.529	0.074	0.0729	0.0006	0.1529	0.0017	1.508	0.025	0.0715	0.0009	0.677	917	10	973	25	6
22.1	1258	93	0.07	285.1	0.000081	0.13	3.790	0.042	0.1072	0.0005	0.2635	0.0029	3.854	0.047	0.1061	0.0006	0.904	1508	15	1733	10	13
23.1	243	205	0.85	17.5	0.000735	1.32	11.932	0.192	0.0612	0.0014	0.0831	0.0013					515	10				
24.1	164	84	0.56	16.7	-	<0.01	7.064	0.122	0.0688	0.0020	0.1260	0.0019	1.188	0.053	0.0683	0.0020	0.345	766	11	877	87	13
25.1	40	20	0.51	5.3	0.001090	1.88	6.488	0.156	0.0817	0.0028	0.1516	0.0036	1.428	0.078	0.0683	0.0034	0.439	910	23	879	102	-4
26.1	1183	110	0.09	174.7	0.000035	0.06	5.818	0.063	0.0732	0.0005	0.1718	0.0019	1.722	0.023	0.0727	0.0005	0.827	1022	10	1006	15	-2
27.1	243	140	0.58	37.6	0.000089	0.15	5.556	0.073	0.0770	0.0010	0.1707	0.0024	1.876	0.040	0.0757	0.0013	0.615	1065	13	1088	34	2
28.1	1546	913	0.59	183.1	0.000157	0.27	7.253	0.078	0.0715	0.0004	0.1375	0.0015	1.312	0.019	0.0692	0.0007	0.726	831	8	905	21	8
29.1	187	96	0.63	26.4	0.000128	0.22	6.094	0.086	0.0752	0.0012	0.1637	0.0023	1.667	0.044	0.0734	0.0016	0.639	977	13	1026	46	6
30.1	551	66	0.12	89.9	0.000181	0.27	5.266	0.061	0.0788	0.0007	0.1894	0.0022	1.999	0.035	0.0766	0.0010	0.671	1118	12	1110	26	-1
31.1	123	255	2.06	18.8	0.000551	0.94	5.648	0.088	0.0782	0.0015	0.1761	0.0028	1.792	0.047	0.0738	0.0016	0.591	1046	23	1036	43	-1
32.1	149	64	0.43	22.1	0.000057	0.10	5.785	0.086	0.0762	0.0013	0.1726	0.0026	1.780	0.041	0.0748	0.0013	0.640	1026	15	1063	36	3
33.1	1281	478	0.37	201.6	0.000425	0.72	5.457	0.059	0.0822	0.0005	0.1819	0.0020	1.911	0.038	0.0762	0.0013	0.544	1078	11	1100	34	2
34.1	1207	299	0.25	218.5	0.000165	0.26	4.746	0.051	0.0872	0.0005	0.2093	0.0023	2.369	0.035	0.0821	0.0008	0.740	1225	13	1248	19	2
35.1	823	663	0.81	159.2	0.000044	0.07	4.439	0.049	0.0859	0.0005	0.2251	0.0025	2.648	0.035	0.0853	0.0006	0.843	1309	13	1323	14	1
36.1	234	309	1.32	17.0	0.000000	0.00	11.829	0.189	0.0614	0.0014	0.0845	0.0014					523	8				
37.1	415	201	0.48	63.6	0.000103	0.17	5.612	0.068	0.0770	0.0008	0.1779	0.0022	1.852	0.034	0.0755	0.0010	0.659	1055	12	1082	28	2
38.1	355	163	0.46	50.0	0.000077	0.13	6.105	0.076	0.0714	0.0009	0.1637	0.0020	1.595	0.028	0.0707	0.0009	0.711	977	12	949	25	-3
39.1	847	1681	1.98	141.2	0.000037	0.06	5.154	0.057	0.0814	0.0006	0.1939	0.0021	2.163	0.029	0.0809	0.0006	0.832	1142	12	1219	15	6
40.1	388	198	0.51	57.9	0.000173	0.29	5.763	0.071	0.0742	0.0008	0.1735	0.0021	1.772	0.029	0.0741	0.0008	0.745	1031	13	1043	22	1
41.1	221	168	0.76	15.7	0.000713	1.28	12.137	0.186	0.0591	0.0016	0.0813	0.0013					504	8				
42.1	485	382	0.79	33.1	0.000143	0.26	12.593	0.158	0.0586	0.0009	0.0792	0.0010					491	6				
43.1	203	86	0.42	28.3	0.000026	0.04	6.155	0.087	0.0715	0.0012	0.1625	0.0023	1.605	0.035	0.0716	0.0012	0.648	971	14	975	34	0
44.1	352	219	0.62	55.2	0.000516	0.87	5.480	0.072	0.0830	0.0014	0.1809	0.0024	1.886	0.069	0.0756	0.0026	0.365	1072	13	1085	69	1
45.1	347	128	0.37	49.9	-	<0.01	5.972	0.079	0.0762	0.0011	0.1676	0.0022	1.780	0.034	0.0770	0.0011	0.687	999	12	1122	28	11
46.1	1083	584	0.54	145.1	0.000089	0.15	6.410	0.071	0.0708	0.0005	0.1561	0.0017	1.531	0.021	0.0711	0.0005	0.824	935	10	961	16	3
47.1	1773	140	0.08	400.7	0.000058	0.09	3.802	0.044	0.1010	0.0004	0.2628	0.0028	3.630	0.042	0.1002	0.0004	0.924	1504	14	1628	8	8
48.1	1140	247	0.22	239.0	0.000018	0.03	4.098	0.044	0.1037	0.0007	0.2439	0.0026	3.479	0.045	0.1034	0.0007	0.847	1407	14	1686	13	17
49.1	1448	902	0.62	221.3	0.000033	0.06	5.622	0.061	0.0781	0.0005	0.1778	0.0019	1.854	0.024	0.0756	0.0005	0.850	1055	11	1085	13	3
50.1	255	203	0.79	57.2	0.000303	0.49	3.835	0.051	0.0981	0.0010	0.2595	0.0035	3.360	0.083	0.0939	0.0020	0.538	1487	18	1507	40	1
51.1	1751	303	0.17	255.7	0.000053	0.09	5.882	0.062	0.0795	0.0004	0.1699	0.0018	1.844	0.022	0.0787	0.0005	0.871	1011	10	1165	12	13
52.1	491	107	0.22	168.3	0.000026	0.04	2.505	0.029	0.1438	0.0007	0.3991	0.0046	7.894	0.100	0.1435	0.0007	0.911	2165	21	2269	9	5
53.1	82	35	0.43	7.6	0.002022	3.58	9.256	0.180	0.0884	0.0045	0.1043	0.0020					640	14				
54.1	755	322	0.43	120.2	0.000132	0.22	5.396	0.060	0.0801	0.0006	0.1849	0.0021	1.995	0.031	0.0782	0.0008	0.720	1094	11	1153	21	5
55.1	629	146	0.23	73.6	0.000118	0.21	7.336	0.088	0.0697	0.0007	0.1360	0.0016	1.276	0.024	0.0680	0.0010	0.644	822	9	870	30	5
56.1	71	51	0.71	28.8	0.000022	0.03	2.															

Table 1 (cont'd). SHRIMP U-Pb data for zircon grains from sample WL-270

Grain spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	²⁰⁴ Pb/ ²⁰⁶ Pb	f ₂₀₆ %	Total Ratios				Radiogenic Ratios				Age (Ma)				Disc			
							²³⁸ U/ ²⁰⁶ Pb	±	²⁰⁷ Pb/ ²⁰⁶ Pb	±	²⁰⁶ Pb/ ²³⁸ U	±	²⁰⁷ Pb/ ²³⁵ U	±	²⁰⁷ Pb/ ²⁰⁶ Pb	±	ρ	²⁰⁶ Pb/ ²³⁸ U		±	²⁰⁷ Pb/ ²⁰⁶ Pb	±
1.1	609	2	0.00	226	0.000055	0.08	2.318	0.026	0.1541	0.0007	0.4311	0.0049	9.119	0.112	0.1534	0.0007	0.924	2310	22	2385	8	3
2.1	1505	233	0.15	358	0.000023	0.04	3.616	0.039	0.1020	0.0004	0.2764	0.0029	3.876	0.045	0.1017	0.0004	0.924	1573	15	1655	8	5
3.1	504	362	0.72	103	0.000036	0.09	4.212	0.049	0.0905	0.0007	0.2373	0.0028	2.946	0.043	0.0900	0.0006	0.807	1372	14	1426	16	4
4.1	1106	5	0.00	255	0.000074	0.12	3.725	0.041	0.1122	0.0005	0.2682	0.0029	4.110	0.050	0.1112	0.0006	0.886	1531	15	1818	10	16
5.1	532	400	0.75	37	0.000301	0.54	12.444	0.155	0.0601	0.0009	0.8002	0.0010						498	7			
6.1	767	754	0.98	156	0.000089	0.15	4.223	0.047	0.0914	0.0006	0.2364	0.0027	2.938	0.040	0.0901	0.0007	0.818	1368	14	1429	15	4
7.1	993	67	0.07	127	0.000099	0.17	6.696	0.106	0.0714	0.0006	0.1491	0.0024	1.439	0.029	0.0700	0.0008	0.800	896	13	928	24	3
8.1	365	432	1.19	62	0.000257	0.43	5.012	0.064	0.0881	0.0010	0.1987	0.0026	2.315	0.058	0.0845	0.0018	0.818	1168	14	1304	41	10
9.1	351	373	1.06	24	0.000344	0.62	12.750	0.169	0.0574	0.0011	0.0784	0.0010						474	8			
10.1	95	113	1.20	6	0.001209	2.17	12.823	0.268	0.0794	0.0029	0.0763	0.0020						487	12			
11.1	307	239	0.78	27	0.000994	1.76	9.602	0.130	0.0991	0.0012	0.1036	0.0014						635	10			
12.1	352	150	0.38	59	0.000203	0.34	5.736	0.075	0.0780	0.0009	0.1737	0.0023	1.799	0.049	0.0751	0.0016	0.487	1033	13	1071	48	4
13.1	111	125	1.12	21	0.000141	0.23	4.637	0.075	0.0843	0.0015	0.2152	0.0035	2.442	0.064	0.0823	0.0017	0.623	1256	19	1253	40	0
14.1	342	255	0.74	36	0.000029	0.05	8.223	0.106	0.0646	0.0010	0.1215	0.0016	1.075	0.023	0.0642	0.0011	0.604	739	9	747	36	1
15.1	1849	1569	0.81	157	0.000042	0.07	10.658	0.114	0.0604	0.0005	0.0838	0.0010						578	6			
16.1	166	148	0.89	26	0.000284	0.48	5.392	0.080	0.0755	0.0013	0.1885	0.0028	2.292	0.063	0.0882	0.0021	0.539	1113	18	1387	45	20
17.1	1664	667	0.40	136	0.000064	0.11	10.535	0.114	0.0595	0.0005	0.0949	0.0010						585	6			
18.1	998	399	0.40	188	0.000031	0.05	4.569	0.055	0.0826	0.0005	0.2187	0.0026	2.478	0.034	0.0822	0.0005	0.888	1275	14	1250	12	-2
19.1	1945	967	0.50	137	0.000082	0.15	12.196	0.131	0.0576	0.0005	0.0819	0.0009						507	5			
20.1	364	183	0.50	70	0.000009	0.01	4.438	0.057	0.0889	0.0008	0.2253	0.0029	2.750	0.047	0.0888	0.0010	0.754	1310	15	1400	22	6
21.1	232	141	0.61	48	0.000125	0.20	4.111	0.054	0.0953	0.0010	0.2428	0.0032	3.133	0.060	0.0936	0.0013	0.691	1401	17	1500	26	7
22.1	783	411	0.52	146	0.000052	0.10	4.616	0.052	0.0872	0.0009	0.2164	0.0024	2.577	0.040	0.0864	0.0009	0.729	1263	13	1346	20	6
23.1	128	137	1.07	23	0.000379	0.63	4.745	0.075	0.0846	0.0015	0.2093	0.0033	2.291	0.060	0.0794	0.0016	0.606	1225	21	1182	41	-4
24.1	220	160	0.73	18	0.000254	0.45	10.754	0.157	0.0608	0.0013	0.0926	0.0014						571	8			
25.1	70	121	1.73	12	0.000122	0.21	8.161	0.100	0.0785	0.0020	0.1633	0.0038	2.047	0.084	0.0768	0.0028	0.476	1130	20	1115	72	-2
26.1	190	295	1.56	29	0.000133	0.23	5.654	0.081	0.0761	0.0013	0.1765	0.0025	1.806	0.054	0.0742	0.0020	0.479	1048	14	1047	53	0
27.1	1267	317	0.25	180	0.000004	0.01	6.041	0.065	0.0745	0.0005	0.1655	0.0018	1.699	0.021	0.0744	0.0005	0.863	987	10	1054	13	6
28.1	169	220	1.30	19	0.000036	0.06	7.553	0.116	0.0695	0.0014	0.1323	0.0020	1.258	0.046	0.0690	0.0023	0.419	801	12	898	69	11
29.1	57	99	1.75	12	0.000899	1.47	4.118	0.190	0.0755	0.0020	0.2567	0.0118	4.176	0.279	0.1180	0.0057	0.690	1473	76	1926	87	24
30.1	63	22	0.35	12	0.003444	5.76	4.613	0.094	0.1287	0.0061	0.2043	0.0048	2.255	0.381	0.0801	0.0134	0.140	1198	26	1198	330	0
31.1	2006	303	0.15	551	0.000017	0.03	3.125	0.034	0.1165	0.0004	0.3199	0.0035	5.129	0.059	0.1163	0.0004	0.948	1789	17	1900	6	6
32.1	243	40	0.16	27	0.000196	0.34	7.762	0.124	0.0672	0.0013	0.1287	0.0021	1.179	0.030	0.0664	0.0013	0.630	781	12	820	41	5
33.1	445	387	0.87	67	0.000136	0.23	5.693	0.073	0.0769	0.0009	0.1752	0.0022	1.811	0.034	0.0749	0.0010	0.683	1043	12	1067	27	2
34.1	1529	332	0.22	238	0.000055	0.09	5.518	0.060	0.0757	0.0005	0.1810	0.0020	1.870	0.024	0.0749	0.0005	0.838	1073	11	1066	14	-1
35.1	548	845	1.18	59	0.000080	0.14	8.008	0.098	0.0933	0.0008	0.1247	0.0015						798	9			
36.1	970	1626	1.68	183	0.000004	0.01	4.546	0.049	0.0836	0.0004	0.2200	0.0024	2.533	0.031	0.0835	0.0005	0.891	1282	13	1282	11	0
37.1	342	233	0.68	54	0.000095	0.16	5.458	0.071	0.0786	0.0010	0.1629	0.0024	1.948	0.041	0.0772	0.0013	0.619	1063	13	1127	33	4
38.1	431	322	0.75	71	0.000076	0.13	5.224	0.069	0.0802	0.0010	0.1912	0.0025	2.086	0.039	0.0791	0.0011	0.705	1128	14	1176	26	4
39.1	326	206	0.63	23	0.000483	0.87	12.413	0.172	0.0594	0.0012	0.0808	0.0011						501	7			
40.1	411	508	1.24	29	0.000118	0.21	12.195	0.164	0.0607	0.0012	0.0818	0.0011						507	7			
41.1	203	35	0.17	113	0.000085	0.11	1.547	0.021	0.2643	0.0015	0.6459	0.0088	23.455	0.348	0.2634	0.0015	0.920	3212	35	3267	9	2
42.1	446	129	0.29	36	0.000324	0.58	10.667	0.145	0.0585	0.0010	0.0938	0.0013						578	8			
43.1	670	203	0.30	154	0.000078	0.13	3.740	0.044	0.1133	0.0007	0.2671	0.0032	4.134	0.057	0.1123	0.0008	0.852	1526	16	1837	13	17
44.1	1107	1123	1.01	242	0.000054	0.09	3.931	0.044	0.0959	0.0005	0.2541	0.0028	3.335	0.042	0.0952	0.0005	0.891	1460	15	1532	11	5
45.1	129	73	0.57	13	0.000494	0.87	8.489	0.146	0.0696	0.0022	0.1177	0.0020						717	13			
46.1	105	114	1.09	10	0.000524	0.93	9.098	0.214	0.0711	0.0019	0.1089	0.0026						666	15			
47.1	541	212	0.39	57	0.000952	0.09	8.155	0.093	0.0658	0.0007	0.1225	0.0014						745	8			
48.1	1870	327	0.17	332	0.000035	0.06	4.835	0.051	0.0764	0.0003	0.2067	0.0022	2.164	0.025	0.0759	0.0004	0.898	1211	12	1093	10	-11
49.1	131	46	0.35	36	0.000194	0.30	3.143	0.054	0.1432	0.0018	0.3172	0.0055	6.151	0.168	0.1406	0.0030	0.632	1776	27	2235	37	21
50.1	341	631	1.85	53	0.000045	0.08	5.493	0.071	0.0770	0.0010	0.1819	0.0024	1.915	0.048	0.0764	0.0016	0.514	1077	13	1104	43	2
51.1	2230	92	0.04	727	0.000015	0.02	2.636	0.028	0.1628	0.0004	0.3793	0.0040	8.507	0.093	0.1626	0.0005	0.967	2073	19	2483	5	17
52.1	1253	228	0.18	162	0.000051	0.09	6.660	0.076	0.0730	0.0006	0.1600	0.0017	1.405	0.021	0.0723	0.0006	0.818	901	10	903	16	9
53.1	472	319	0.68	88	0.000176	0.29	4.599	0.056	0.0846	0.0008	0.2168	0.0026	2.455	0.046	0.0821	0.0011	0.657	1265	14	1249	27	-1
54.1	405	297	0.73	200	0.000077	0.10	1.739	0.022	0.2413	0.0012	0.5745	0.0071	19.050	0.256	0.2405	0.0012	0.926	2926	29	3123	8	6
55.1	504	633	1.26	34	-	<0.01	12.899	0.172	0.0612	0.0011	0.0776	0.0010						482	6			
56.1	1486	297	0.20	242	-	<0.01	5.284	0.058	0.0795	0.0005	0.1892	0.0021	2.074	0.026	0.0795	0.0005	0.863	1117	11	1184	13	6
57.1	642	10	0.02	48	-	<0.01	11.375	0.158	0.0926	0.0013	0.0879	0.0012										