

**New SHRIMP geochronology for the Western Fold Belt of the Mt Isa Inlier:
developing a 1800–1650 Ma event framework***

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SUPPLEMENTARY PAPERS

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* Appendix 1 [indicated by an asterisk (*) in the text and listed at the end of the paper] is a Supplementary Paper; copies may be obtained from the Geological Society of Australia's website (www.gsa.org.au) or from the National Library of Australia's Pandora archive (<http://nla.gov.au/nla.arc-25194>).

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APPENDIX 1 SHRIMP U–Pb data for zircons

SHRIMP U-Pb isotopic data for zircons in the Lower Mount Guide Quartzite, E of Mount Isa (2003169034)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
462.1	75	52	0.71	-0.07	1.88	2.5	.1860	0.7	2707	11	-2
442.1	161	73	0.47	0.11	2.09	2.5	.1797	0.7	2650	11	5
417.1	110	85	0.80	0.05	2.06	2.5	.1669	0.7	2527	12	-1
439.1	101	63	0.65	0.27	3.17	2.6	.1192	1.5	1944	26	9
453.1	135	149	1.14	0.13	2.79	2.5	.1183	0.8	1930	14	-2
407.1	98	68	0.72	-0.20	3.13	2.6	.1173	1.5	1916	26	7
432.1	144	85	0.61	-0.16	3.05	2.5	.1162	1.1	1899	20	4
444.1	86	52	0.62	-0.09	2.95	2.8	.1158	1.6	1892	28	1
408.1	234	152	0.67	-0.08	2.91	2.4	.1150	0.7	1880	13	-1
301.1	201	112	0.58	-0.02	3.10	2.5	.1149	1.5	1879	27	4
460.1	19	16	0.89	-0.27	3.24	3.3	.1149	2.6	1878	47	8
454.1	209	77	0.38	-0.08	2.93	2.4	.1147	1.0	1876	19	-1
440.1	393	247	0.65	-0.08	2.94	2.5	.1146	0.6	1873	11	-1
429.1	371	214	0.60	0.02	2.94	2.4	.1146	0.5	1873	10	-1
468.1	97	51	0.54	-0.08	2.99	2.5	.1145	0.9	1873	17	1
410.1	116	61	0.54	-0.15	3.17	2.5	.1145	1.8	1872	33	6
411.1	251	149	0.61	0.01	2.98	2.4	.1144	0.9	1871	16	0
420.1	328	264	0.83	0.02	3.09	2.3	.1144	0.6	1870	11	3
448.1	283	173	0.63	0.02	3.01	2.4	.1143	0.6	1868	11	1
413.1	294	200	0.70	-0.01	3.11	2.4	.1142	0.5	1868	10	4
401.1	327	302	0.95	-0.04	3.00	2.6	.1142	0.7	1868	13	1
431.1	201	87	0.45	0.05	2.85	2.4	.1142	0.9	1867	15	-4
449.1	132	59	0.47	-0.07	2.94	2.5	.1142	0.9	1867	16	-1
427.1	225	128	0.59	-0.02	3.06	2.4	.1141	0.9	1866	16	2
404.1	268	132	0.51	-0.04	2.82	2.5	.1141	0.7	1866	14	-5
425.1	220	142	0.66	-0.06	3.31	2.4	.1140	0.7	1864	14	9
437.1	203	165	0.84	-0.17	3.23	2.7	.1140	1.6	1864	29	7
438.1	102	64	0.65	0.08	3.16	3.0	.1139	1.4	1863	25	5
446.1	128	60	0.48	0.05	2.96	2.5	.1138	1.1	1861	21	-1
307.1	272	77	0.29	0.04	2.92	2.4	.1138	0.8	1861	14	-2
467.1	145	94	0.67	0.03	3.01	2.4	.1138	0.7	1860	13	1
455.1	245	137	0.58	0.12	3.19	2.4	.1137	0.9	1859	17	6
452.1	218	140	0.66	0.01	2.93	2.4	.1137	0.7	1859	12	-2
412.1	161	80	0.52	-0.04	3.01	2.4	.1136	0.7	1858	13	0
430.1	317	139	0.45	0.07	2.89	2.4	.1136	0.5	1857	9	-3
464.1	250	142	0.59	-0.12	2.96	2.4	.1135	0.7	1857	12	-1
418.1	238	176	0.77	-0.19	3.15	2.6	.1135	1.6	1856	29	4
457.1	325	258	0.82	-0.04	3.11	2.4	.1134	0.5	1854	10	3
463.1	175	97	0.57	0.02	2.80	2.4	.1133	0.7	1853	12	-6
416.1	327	171	0.54	0.03	3.07	2.4	.1132	0.6	1851	11	2
426.1	195	100	0.53	0.15	3.12	2.7	.1131	1.0	1851	18	3
447.1	200	107	0.55	-0.01	3.11	2.4	.1131	0.7	1849	13	3
405.1	172	86	0.52	0.31	2.74	2.6	.1130	1.9	1849	34	-8
458.1	234	77	0.34	0.13	3.24	2.4	.1130	0.7	1848	13	6
456.1	261	170	0.67	-0.08	3.13	2.4	.1129	0.8	1847	14	3
421.1	193	99	0.53	0.00	3.21	2.4	.1129	0.6	1846	11	5
434.1	222	102	0.48	0.15	3.08	2.5	.1129	1.0	1846	18	2
465.1	283	143	0.52	0.04	3.16	2.4	.1128	0.6	1844	11	4
409.1	45	33	0.75	-0.14	3.10	3.1	.1127	1.7	1843	32	2
461.1	150	74	0.51	0.03	2.95	2.4	.1127	0.8	1843	15	-2
443.1	241	154	0.66	0.05	3.15	2.4	.1126	0.7	1842	13	4
414.1	148	81	0.56	0.27	3.31	2.5	.1126	1.0	1842	19	8
445.1	100	63	0.65	0.31	3.06	2.6	.1125	1.2	1840	22	1
422.1	199	97	0.51	0.06	3.16	2.4	.1125	0.7	1840	13	4
304.1	183	96	0.54	0.11	3.42	2.9	.1125	1.2	1840	22	10
451.1	181	104	0.59	0.08	2.98	2.4	.1118	0.8	1830	15	-2
308.1	292	147	0.52	0.11	2.87	2.4	.1117	0.8	1828	15	-6
423.1	219	174	0.82	0.33	3.19	2.6	.1111	1.6	1818	29	3
450.1	138	68	0.51	0.26	2.88	2.5	.1106	1.0	1810	18	-6
459.1	192	106	0.57	0.10	2.92	2.4	.1103	0.9	1805	15	-5
424.1	153	201	1.36	0.14	3.45	2.5	.1099	1.1	1797	19	9
436.3	133	138	1.07	0.13	3.17	1.5	.1097	0.5	1794	9	1
441.2	298	143	0.50	0.24	3.38	1.4	.1094	0.5	1789	8	7
466.2	75	41	0.57	0.31	3.33	1.5	.1093	0.8	1787	14	5
428.3	140	89	0.66	0.21	3.03	1.5	.1092	0.6	1786	10	-3
435.1	89	94	1.09	0.27	2.96	3.2	.1092	1.5	1786	28	-5
Common Pb content above 0.5%											
419.1	219	221	1.04	2.18	3.87	2.5	.1075	4.2	1758	77	16
305.1	946	389	0.42	1.83	7.94	3.2	.1102	2.8	1802	51	58
419.2	155	105	0.70	1.16	3.04	2.5	.1130	1.9	1848	35	1
303.1	566	260	0.47	1.13	3.44	2.4	.1109	2.2	1815	41	9
306.1	1452	1653	1.18	0.96	4.00	2.3	.1047	1.3	1709	24	16
415.1	67	47	0.73	0.95	3.52	3.4	.1051	3.7	1716	68	6
428.1	152	102	0.69	0.84	2.83	3.0	.1070	3.7	1749	67	-12
302.1	805	281	0.36	0.83	4.27	2.4	.1116	1.4	1826	26	26
406.3	47	33	0.73	0.81	3.15	1.6	.1066	1.4	1743	26	-2
428.2	214	174	0.84	0.67	3.55	2.4	.1085	1.4	1774	26	10
406.4	33	19	0.59	0.52	3.12	1.6	.1103	1.3	1804	23	1

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^{\#}$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
402.1	317	186	0.61	0.52	3.04	2.5	.1103	1.6	1805	28	-2
406.1	44	33	0.78	0.51	3.07	5.8	.0994	4.3	1613	79	-13
415.2	65	44	0.70	0.50	3.06	1.5	.1070	1.1	1749	20	-4
441.1	314	167	0.55	0.50	3.37	2.4	.1078	1.5	1763	28	5
Discordant analyses											
435.3	80	71	0.91	0.05	2.76	4.4	.1097	0.9	1795	17	-11
435.4	61	54	0.91	0.07	2.72	4.4	.1090	0.8	1783	14	-13
Large $^{207}\text{Pb}/^{206}\text{Pb}$ error											
433.1	51	47	0.95	0.12	2.95	3.1	.1108	3.2	1812	57	-4
406.2	31	19	0.63	0.30	3.13	2.7	.1078	2.8	1763	51	-1
Repeat-grain analyses											
435.2	49	43	0.92	0.24	3.00	2.6	.1081	1.4	1768	26	-5
436.1	127	135	1.09	0.22	3.31	2.6	.1060	1.0	1732	19	2
436.2	82	103	1.30	0.00	2.99	2.5	.1094	0.9	1789	16	-4
436.4	80	87	1.12	0.25	3.42	1.5	.1096	0.8	1792	15	8
466.1	74	43	0.59	0.26	3.04	2.6	.1059	1.6	1731	29	-6

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the upper Mount Guide Quartzite, E of Mount Isa (2003169035)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
292.1	116	142	1.27	0.33	2.18	1.9	.1858	0.8	2705	14	10
259.1	52	45	0.90	0.12	2.20	2.0	.1684	0.8	2542	13	5
284.1	93	134	1.49	0.06	2.19	1.9	.1649	0.6	2507	10	3
203.1	94	98	1.09	0.01	2.16	1.9	.1642	0.6	2500	10	2
283.1	391	104	0.27	0.03	2.34	1.7	.1602	0.3	2458	5	7
202.1	106	67	0.65	0.02	2.24	1.9	.1584	0.6	2439	10	2
260.1	164	106	0.66	-0.01	2.45	1.8	.1536	0.4	2386	8	8
258.1	71	34	0.50	0.05	2.80	1.9	.1324	0.7	2130	13	8
277.1	129	49	0.39	-0.01	2.89	1.8	.1321	0.6	2126	11	10
250.1	102	62	0.62	0.02	2.80	1.8	.1288	0.6	2082	11	5
279.1	98	74	0.79	0.05	2.77	1.9	.1266	0.8	2051	13	3
207.1	505	242	0.49	0.02	2.89	1.7	.1248	0.3	2026	6	5
293.1	387	98	0.26	0.01	2.83	1.7	.1225	0.4	1993	6	2
252.1	494	180	0.38	0.03	3.03	1.7	.1220	0.3	1985	6	7
218.1	138	88	0.66	0.08	3.00	1.8	.1216	0.6	1979	11	6
273.1	81	115	1.47	0.11	3.04	1.9	.1212	0.8	1974	15	7
261.1	527	114	0.22	0.07	3.17	1.8	.1191	0.5	1942	9	9
255.1	214	66	0.32	0.02	3.21	1.8	.1178	0.7	1923	13	9
280.1	119	114	0.99	0.07	2.99	1.8	.1176	0.7	1920	13	3
268.1	293	24	0.08	0.08	3.21	1.8	.1167	0.5	1907	9	8
209.1	149	82	0.57	0.07	3.19	1.8	.1163	0.6	1900	11	7
262.1	180	62	0.35	0.06	3.16	1.8	.1149	0.5	1878	10	6
288.1	132	65	0.51	0.20	2.72	1.9	.1149	0.9	1878	17	-8
272.1	275	111	0.42	0.02	3.14	1.8	.1142	0.5	1867	8	5
249.1	107	52	0.50	0.00	3.24	2.0	.1142	0.7	1867	12	7
210.1	380	367	1.00	0.21	3.34	1.7	.1141	0.6	1866	11	9
244.1	78	110	1.46	0.16	3.34	1.9	.1141	1.1	1866	20	9
271.1	136	46	0.35	0.09	3.18	1.9	.1138	0.8	1861	14	5
247.1	201	84	0.43	0.03	3.31	1.8	.1136	0.6	1858	11	8
251.1	410	231	0.58	0.02	3.14	1.7	.1136	0.4	1857	6	4
282.1	161	105	0.67	0.03	3.26	1.8	.1135	0.6	1857	11	7
287.1	160	48	0.31	0.04	3.17	1.8	.1134	0.6	1855	11	5
291.1	136	83	0.63	0.10	3.21	1.8	.1132	0.8	1852	14	6
263.1	138	137	1.03	-0.01	3.18	1.9	.1132	0.6	1851	11	5
265.1	205	129	0.65	0.06	3.25	1.8	.1131	0.6	1850	11	7
269.1	167	76	0.47	0.04	3.39	1.8	.1130	0.7	1848	12	10
267.1	169	92	0.56	0.13	3.41	1.9	.1129	0.7	1847	13	10
275.1	136	97	0.73	0.10	3.41	1.9	.1129	0.9	1847	17	10
248.1	158	92	0.60	0.09	3.27	1.8	.1128	0.7	1845	13	7
253.1	231	120	0.53	0.08	3.20	1.8	.1127	0.5	1844	10	5
212.1	101	52	0.53	0.04	3.08	1.8	.1126	0.8	1842	14	2
276.1	216	117	0.56	-0.01	3.10	1.8	.1125	0.5	1841	9	2
281.1	53	27	0.53	0.20	3.34	2.0	.1125	1.2	1840	21	8
214.1	123	73	0.61	0.00	3.25	1.8	.1125	0.7	1839	12	6
257.1	123	54	0.46	0.12	3.27	1.8	.1123	0.8	1837	14	6
254.1	84	110	1.35	0.01	3.37	1.9	.1121	0.9	1833	17	9
201.1	247	173	0.72	-0.02	3.17	1.8	.1106	0.5	1809	9	2
211.2	134	94	0.73	0.13	3.19	2.4	.1086	0.4	1776	8	1
240.2	65	47	0.74	0.13	3.07	2.4	.1085	0.5	1774	10	-3
264.2	90	45	0.52	0.23	3.20	2.4	.1079	0.6	1764	10	1
Common Pb content above 0.5%											
270.1	2628	457	0.18	3.14	3.22	1.8	.1175	3.2	1919	58	9
205.1	139	77	0.57	2.75	3.19	1.9	.1133	3.8	1853	70	5
290.1	144	126	0.90	0.64	3.13	1.8	.1191	1.2	1943	21	8
204.1	267	102	0.39	0.61	2.94	1.9	.1260	0.9	2043	16	8
Discordant analyses											
217.1	210	232	1.14	0.22	6.08	2.1	.1140	0.8	1864	14	47
278.1	57	48	0.87	0.39	3.31	2.6	.1564	3.1	2417	52	30
213.1	168	86	0.53	0.11	3.86	1.8	.1149	0.7	1879	13	21
245.1	152	93	0.63	0.11	3.68	1.8	.1142	0.7	1868	12	17
215.1	105	84	0.83	0.06	2.57	1.8	.1689	0.6	2547	10	17
274.1	115	78	0.70	0.29	3.80	1.9	.1106	1.1	1809	20	17
289.1	196	102	0.54	0.08	3.37	1.8	.1212	0.6	1974	11	15
246.1	144	111	0.80	0.02	3.56	1.8	.1150	0.7	1880	12	15
206.1	300	183	0.63	0.06	3.39	1.8	.1192	0.5	1945	9	14
266.1	271	182	0.69	0.15	2.53	1.8	.1647	0.5	2505	8	14
256.1	105	59	0.58	0.02	3.51	1.8	.1141	0.7	1866	13	13
216.1	106	75	0.73	0.08	2.92	1.8	.1342	1.0	2154	17	12
208.1	104	116	1.15	0.11	3.31	2.1	.1181	0.9	1928	16	12
286.1	140	69	0.50	0.13	3.38	1.8	.1157	0.8	1891	14	12
211.1	188	100	0.55	0.09	3.63	1.8	.1084	0.6	1773	12	12
219.1	200	147	0.76	-0.03	3.40	1.8	.1145	0.5	1871	9	11
285.1	266	183	0.71	0.29	3.45	1.8	.1129	0.8	1847	14	11
Repeat-grain analyses											
264.1	128	63	0.51	0.03	3.51	1.9	.1090	0.9	1782	17	9

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
$f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Lena Quartzite, SE of Lake Moondarra (2003169036)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
668.1	117	70	0.62	-0.07	1.79	2.6	.1989	0.7	2817	12	-1
604.1	195	134	0.71	0.32	2.11	2.4	.1801	0.6	2653	10	6
656.1	121	69	0.59	-0.03	1.95	2.6	.1703	0.8	2560	13	-4
687.1	153	211	1.43	0.07	2.33	4.3	.1698	0.3	2556	5	10
508.1	184	107	0.60	0.01	2.09	2.4	.1618	0.5	2475	8	-2
678.1	95	96	1.05	0.07	2.10	2.7	.1607	0.5	2463	8	-2
681.1	111	48	0.44	0.04	2.22	2.7	.1541	0.4	2392	7	0
644.1	97	53	0.57	0.08	2.15	2.4	.1523	0.7	2372	12	-4
602.1	100	71	0.73	0.13	2.47	2.6	.1337	0.9	2147	16	-2
641.1	156	89	0.59	-0.10	2.53	2.4	.1229	0.8	1999	13	-7
509.1	155	73	0.48	-0.13	2.93	2.4	.1228	0.9	1997	17	5
686.1	210	45	0.22	0.04	2.65	4.3	.1207	0.3	1966	6	-5
655.1	233	137	0.61	0.00	2.94	2.5	.1184	1.3	1932	24	2
675.1	163	133	0.84	-0.09	2.93	2.5	.1182	1.0	1929	18	2
672.1	312	101	0.33	0.05	2.70	2.4	.1182	0.7	1929	12	-5
611.1	121	98	0.84	-0.04	2.92	2.5	.1178	0.8	1922	14	1
613.1	184	132	0.74	-0.01	2.74	2.4	.1175	0.8	1919	14	-4
616.1	124	37	0.31	0.04	2.91	2.4	.1166	0.8	1904	15	0
671.1	89	63	0.73	0.00	2.85	2.6	.1158	1.1	1892	20	-2
650.1	204	105	0.53	-0.16	3.09	2.8	.1151	1.1	1881	19	4
663.1	250	212	0.88	-0.18	2.93	2.4	.1148	0.9	1877	16	-1
647.1	197	69	0.36	-0.01	2.94	2.4	.1146	0.5	1874	9	-1
614.1	318	179	0.58	0.02	2.87	2.3	.1146	0.5	1873	9	-3
629.1	122	61	0.52	0.00	3.00	2.7	.1146	0.9	1873	17	1
649.1	138	82	0.61	-0.04	2.92	2.4	.1145	0.6	1873	11	-1
634.1	95	83	0.90	0.10	2.92	2.5	.1145	1.1	1872	20	-2
679.1	111	49	0.46	0.06	2.87	2.7	.1145	0.5	1872	10	-3
680.1	143	69	0.50	0.04	3.10	2.7	.1145	0.5	1871	10	4
609.1	293	175	0.62	0.18	3.20	2.4	.1144	0.9	1871	16	6
624.1	307	128	0.43	0.04	2.85	2.3	.1144	0.5	1870	9	-4
684.1	279	133	0.49	0.12	2.89	4.3	.1142	0.4	1867	7	-3
627.1	159	83	0.54	0.11	3.01	2.4	.1142	0.9	1867	16	1
608.1	141	84	0.61	-0.17	2.99	2.5	.1141	1.2	1865	21	0
640.1	127	72	0.58	0.09	3.11	2.6	.1140	0.8	1864	14	4
633.1	178	78	0.45	-0.07	2.96	2.4	.1139	0.6	1862	11	-1
646.1	14	15	1.08	-0.25	3.09	3.3	.1138	3.4	1860	62	3
688.1	172	79	0.48	0.04	3.04	4.3	.1137	0.4	1859	8	1
639.1	108	90	0.86	0.14	3.11	2.5	.1136	0.9	1858	17	3
664.1	150	88	0.61	0.14	2.88	2.5	.1136	1.0	1857	18	-3
673.1	275	35	0.13	0.14	2.94	2.4	.1136	0.8	1857	15	-2
501.1	155	74	0.49	-0.03	3.09	2.4	.1135	0.8	1856	14	3
622.1	139	68	0.50	-0.01	2.78	2.4	.1135	0.7	1856	13	-7
645.1	162	84	0.54	0.11	2.86	2.4	.1134	0.8	1854	14	-4
625.1	171	88	0.53	0.03	3.15	2.4	.1134	0.6	1854	11	4
682.1	142	61	0.44	0.00	2.87	2.7	.1134	0.5	1854	9	-4
670.1	113	44	0.41	0.23	2.84	2.6	.1132	1.2	1852	21	-5
628.1	207	97	0.49	0.04	2.95	2.6	.1132	0.6	1851	12	-2
621.1	124	87	0.73	0.20	2.89	2.5	.1132	1.0	1851	19	-3
676.1	198	99	0.52	0.08	3.02	1.5	.1131	0.5	1849	9	0
626.1	99	70	0.73	0.31	2.98	2.5	.1128	1.3	1845	24	-1
623.1	140	79	0.58	0.22	2.86	2.5	.1126	0.9	1841	16	-5
658.1	196	125	0.66	-0.14	3.03	2.5	.1116	0.9	1826	17	-1
642.1	46	23	0.51	-0.24	3.20	2.6	.1110	1.7	1815	30	3
610.1	176	126	0.74	-0.08	3.42	2.4	.1100	0.8	1799	14	8
674.2	83	57	0.71	0.13	3.31	1.5	.1099	0.7	1798	13	5
632.1	126	110	0.91	0.43	2.96	2.4	.1098	1.3	1796	24	-4
662.1	91	58	0.66	0.11	3.52	2.7	.1095	1.5	1791	28	10
612.1	136	62	0.47	0.08	3.06	2.4	.1094	1.0	1789	18	-2
605.1	318	140	0.46	0.04	3.15	2.3	.1092	0.5	1786	9	0
657.1	189	90	0.49	-0.05	2.97	2.5	.1092	0.8	1786	15	-5
652.1	135	54	0.41	0.02	3.09	2.6	.1091	1.1	1785	20	-1
667.2	182	84	0.48	0.01	3.14	1.4	.1091	0.3	1784	6	0
637.1	88	48	0.56	0.05	3.09	2.5	.1090	1.1	1783	19	-1
603.2	272	160	0.61	0.09	3.15	1.4	.1090	0.3	1783	6	0
636.2	150	75	0.51	0.04	3.12	1.4	.1090	0.4	1782	7	-1
648.2	176	147	0.86	0.02	3.15	1.4	.1089	0.3	1781	6	0
683.1	200	95	0.49	0.13	3.32	2.7	.1089	0.5	1780	9	5
607.2	140	77	0.57	0.00	3.14	1.4	.1088	0.4	1779	7	0
659.2	133	65	0.51	0.00	3.12	1.4	.1087	0.4	1778	7	-1
601.2	261	182	0.72	0.05	3.23	1.4	.1086	0.3	1776	5	2
635.1	160	90	0.58	0.00	3.09	2.4	.1086	0.8	1776	14	-2
653.1	126	68	0.56	0.22	3.07	2.6	.1086	1.1	1776	20	-2
660.1	113	78	0.72	0.10	3.09	2.6	.1085	1.1	1775	20	-2
661.1	170	97	0.59	0.08	3.12	2.5	.1084	1.1	1773	20	-1
677.1	188	106	0.58	0.10	3.25	1.5	.1081	0.5	1768	10	2
666.1	215	135	0.65	0.00	3.28	2.5	.1081	0.8	1768	15	3
617.2	141	76	0.55	0.07	2.95	2.7	.1081	0.5	1767	9	-6
620.2	118	45	0.39	0.06	3.11	1.5	.1079	0.4	1764	8	-2
669.2	161	85	0.54	0.07	2.86	4.3	.1078	0.5	1763	9	-10

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
685.1	160	86	0.55	0.26	3.06	4.3	.1078	0.6	1763	12	-3
Common Pb content above 0.5%											
630.1	140	70	0.52	46.40	0.76	6.0	.0968	102.0	1563	1913	-246
638.1	143	74	0.54	13.02	2.31	2.7	.1329	15.8	2137	277	-8
643.1	241	127	0.55	3.24	4.87	2.5	.1095	5.1	1792	92	33
651.1	283	205	0.75	3.05	5.09	2.5	.1120	4.2	1833	76	37
503.1	451	366	0.84	2.72	5.52	2.3	.1582	2.4	2436	40	56
505.1	364	960	2.73	2.32	4.47	2.6	.1070	3.3	1748	60	26
504.1	262	143	0.56	1.48	3.84	2.4	.1125	3.4	1840	61	19
654.1	70	102	1.51	1.13	3.51	2.8	.1105	5.0	1808	91	11
506.1	550	61	0.11	0.96	3.62	2.3	.1126	1.3	1842	23	15
507.1	226	115	0.53	0.90	3.15	2.4	.1847	1.2	2696	20	34
502.1	174	105	0.62	0.88	3.42	2.4	.1073	1.8	1753	32	6
615.1	468	455	1.01	0.87	3.99	3.5	.1040	4.9	1697	90	15
674.1	119	110	0.96	0.82	3.31	3.2	.1027	2.3	1674	42	-2
619.1	194	116	0.62	0.77	3.31	2.4	.1167	1.7	1907	31	11
606.1	50	56	1.15	0.55	2.84	2.6	.1120	2.2	1832	40	-6
Discordant analyses											
603.1	274	154	0.58	0.50	3.79	2.4	.1065	1.1	1740	19	13
661.2	193	105	0.56	0.03	2.78	4.4	.1092	0.4	1785	7	-11
665.1	200	102	0.53	0.27	2.75	2.6	.1093	1.3	1788	23	-12
666.2	226	135	0.62	0.03	2.74	4.3	.1093	0.3	1787	6	-12
653.2	148	81	0.57	0.04	2.62	4.3	.1118	0.4	1829	7	-14
636.2	84	49	0.60	0.03	2.68	4.4	.1094	0.6	1789	10	-14
660.2	142	91	0.66	0.03	2.58	4.3	.1106	0.4	1810	8	-17
Analytical instabilities											
631.1	79	31	0.41	0.14	3.11	2.6	.1195	5.7	1948	101	8
Repeat-grain analyses											
601.1	176	122	0.71	0.19	3.11	2.4	.1064	0.9	1739	16	-3
607.1	104	51	0.51	0.00	2.98	2.6	.1076	1.1	1760	20	-6
617.1	145	84	0.59	-0.02	3.29	2.4	.1090	0.7	1782	13	4
620.1	109	42	0.39	-0.04	3.27	2.5	.1079	0.9	1765	16	2
636.1	77	49	0.66	0.33	3.19	2.6	.1078	1.1	1762	19	0
648.1	160	137	0.89	0.12	3.00	2.4	.1069	0.7	1748	12	-6
659.1	149	81	0.56	0.20	3.16	2.9	.1074	1.4	1755	25	-1
667.1	210	109	0.54	0.20	3.03	2.5	.1065	1.0	1741	19	-6
669.1	166	100	0.63	-0.01	2.95	2.6	.1082	0.9	1769	16	-6

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $^\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Alsace Quartzite, Mistake Creek (2003169029)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
243.1	104	21	0.21	0.04	1.92	2.5	.1852	1.5	2700	25	0
239.1	68	57	0.87	-0.07	2.10	2.7	.1827	0.8	2678	14	6
237.1	61	40	0.69	-0.09	2.08	3.2	.1714	1.0	2571	17	1
211.1	249	204	0.85	0.02	2.14	2.5	.1651	0.5	2508	8	1
227.1	201	64	0.33	0.14	2.46	2.4	.1460	0.7	2300	11	4
262.1	810	316	0.40	0.46	2.80	2.3	.1248	0.6	2026	11	3
247.1	202	319	1.64	0.08	2.63	2.4	.1226	0.6	1994	11	-4
220.1	156	108	0.72	-0.05	2.79	2.5	.1192	0.9	1945	15	-2
200.1	68	89	1.34	-0.47	3.16	2.8	.1185	2.0	1933	35	8
102.1	241	120	0.51	-0.06	2.87	2.4	.1180	0.6	1926	10	0
234.1	161	106	0.68	0.05	2.93	2.5	.1171	0.8	1912	14	1
231.1	68	112	1.69	-0.11	2.92	2.6	.1169	1.3	1909	23	0
238.1	92	39	0.44	0.02	2.99	3.1	.1158	1.0	1892	19	2
208.1	175	62	0.36	-0.04	3.03	2.4	.1154	0.8	1886	14	2
218.1	184	87	0.49	-0.02	3.18	2.6	.1148	0.8	1876	14	6
256.2	231	151	0.68	0.09	2.93	1.4	.1137	0.3	1860	6	-2
202.1	90	62	0.71	-0.02	2.97	3.3	.1137	1.1	1860	20	-1
244.1	142	90	0.65	0.00	2.88	2.5	.1136	0.8	1858	14	-3
252.1	220	97	0.46	0.22	3.02	2.4	.1135	1.0	1856	17	1
104.1	207	98	0.49	0.03	3.13	2.4	.1128	0.7	1845	13	3
216.1	187	107	0.59	0.05	2.99	2.4	.1123	0.7	1837	14	-1
212.1	158	78	0.51	-0.05	3.02	2.5	.1115	0.9	1824	16	-1
235.1	69	51	0.76	-0.16	2.97	2.7	.1109	1.6	1814	29	-3
263.1	107	75	0.72	-0.06	3.04	2.5	.1104	1.0	1806	18	-1
204.1	127	51	0.42	-0.06	3.18	2.5	.1103	0.9	1805	17	2
217.1	69	42	0.63	-0.20	3.12	2.7	.1103	1.6	1804	29	1
221.1	171	74	0.45	-0.08	3.11	2.5	.1102	0.9	1802	17	0
248.1	242	136	0.58	-0.05	3.12	2.4	.1100	0.7	1799	13	0
224.2	209	92	0.46	0.02	2.87	4.3	.1098	0.4	1797	7	-7
110.1	198	104	0.54	-0.02	3.17	2.5	.1097	0.6	1794	11	2
260.1	84	65	0.80	0.35	3.21	2.6	.1093	1.8	1788	34	2
261.1	80	78	1.01	-0.03	3.34	2.7	.1093	1.2	1787	22	5
215.1	113	64	0.59	0.19	3.06	2.7	.1092	1.2	1786	22	-2
209.1	144	93	0.67	-0.03	3.06	2.5	.1092	0.8	1786	15	-2
246.1	97	66	0.70	-0.11	3.54	2.5	.1092	1.7	1786	32	10
219.1	234	130	0.57	0.02	3.22	2.4	.1091	0.7	1785	13	2
240.2	177	84	0.49	0.02	2.80	4.3	.1090	0.4	1783	8	-10
228.1	149	82	0.57	-0.02	2.94	2.5	.1090	0.8	1783	15	-6
201.1	99	37	0.39	0.00	3.10	2.6	.1090	1.0	1782	19	-1
213.1	165	56	0.35	0.03	3.05	2.5	.1089	0.9	1782	16	-3
101.1	167	96	0.59	0.03	3.14	2.4	.1089	0.9	1781	17	0
225.1	143	63	0.46	-0.05	3.36	2.5	.1088	0.9	1780	16	6
108.1	121	70	0.60	0.08	3.22	2.6	.1087	0.9	1779	17	2
250.1	123	74	0.62	0.07	3.07	2.5	.1087	1.0	1778	18	-2
258.2	77	38	0.51	0.24	3.11	1.5	.1086	0.8	1776	14	-1
236.2	90	53	0.60	0.00	2.85	4.4	.1085	0.6	1774	10	-9
233.1	89	52	0.61	0.29	3.25	2.6	.1085	1.6	1774	30	2
264.1	119	49	0.42	0.27	3.12	2.5	.1084	1.2	1773	22	-1
241.2	91	48	0.55	0.28	3.06	1.6	.1084	0.7	1773	12	-3
229.1	107	66	0.64	0.10	3.20	2.6	.1083	1.5	1772	28	1
259.1	122	69	0.59	0.14	3.09	2.5	.1083	1.2	1771	22	-2
265.1	71	43	0.63	0.02	3.19	2.6	.1083	1.5	1771	28	1
249.2	128	51	0.41	0.20	3.11	1.5	.1083	0.7	1771	12	-2
223.1	218	151	0.72	0.01	3.31	2.4	.1082	0.7	1770	13	4
206.1	166	77	0.48	0.29	3.33	2.5	.1082	1.2	1769	21	4
257.1	201	97	0.50	0.05	3.12	2.4	.1082	0.8	1769	14	-1
207.2	114	59	0.54	0.20	3.19	1.7	.1082	0.5	1769	10	1
226.1	245	101	0.43	0.09	3.10	2.4	.1081	0.7	1768	13	-2
230.1	94	46	0.50	0.02	3.13	2.6	.1081	1.3	1767	24	-1
103.1	155	125	0.83	0.08	3.27	2.4	.1079	0.8	1764	15	2
242.2	89	69	0.81	0.25	3.10	1.5	.1078	0.7	1762	12	-2
203.2	160	130	0.84	0.22	3.43	1.7	.1075	0.5	1758	9	6
214.1	87	62	0.74	0.38	3.08	2.6	.1072	1.7	1753	32	-4
205.2	64	36	0.58	0.39	3.31	1.8	.1065	0.9	1741	17	2
Common Pb content above 0.5%											
109.1	2064	618	0.31	2.82	19.42	2.3	.1056	3.5	1725	64	81
251.1	68	36	0.55	1.64	3.03	3.3	.1110	4.9	1817	90	-1
106.1	646	319	0.51	1.03	8.10	2.3	.1080	1.6	1765	29	57
232.1	36	25	0.72	0.91	3.19	3.8	.1028	3.7	1675	68	-5
210.1	28	23	0.83	0.74	3.25	4.2	.1065	3.5	1741	64	1
232.2	37	24	0.67	0.70	3.21	1.8	.1062	1.4	1736	25	-1
210.2	30	23	0.79	0.68	3.19	1.9	.1069	1.6	1748	29	-1
222.1	38	25	0.68	0.58	3.13	3.1	.1153	4.8	1884	87	5
105.1	594	421	0.73	0.53	6.03	2.3	.1331	0.9	2140	15	54
Discordant analyses											
107.1	321	149	0.48	0.23	4.52	2.3	.1148	0.7	1877	13	31
230.2	208	117	0.58	0.00	2.73	4.3	.1093	0.3	1789	6	-13

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^{\#}$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
214.2	74	44	0.62	0.10	2.77	4.4	.1077	0.7	1760	13	-13
226.2	251	96	0.40	0.00	2.65	4.3	.1092	0.3	1786	6	-16
Repeat-grain analyses											
203.1	152	134	0.91	0.25	3.11	2.5	.1070	1.3	1749	24	-3
205.1	65	41	0.66	0.34	3.16	2.8	.1068	2.3	1746	42	-2
207.1	105	53	0.52	-0.02	2.98	2.6	.1071	1.0	1750	18	-6
224.1	171	82	0.50	0.13	3.49	2.5	.1079	1.1	1764	20	8
236.1	88	54	0.64	0.13	3.12	2.6	.1081	1.1	1768	20	-1
240.1	183	89	0.50	0.26	2.90	2.6	.1073	1.8	1754	32	-9
241.1	87	52	0.62	0.41	3.20	2.7	.1064	1.8	1738	34	-1
242.1	82	66	0.83	-0.06	3.04	2.7	.1060	1.2	1732	22	-6
249.1	123	53	0.44	0.30	3.18	3.2	.1065	1.7	1740	31	-1
256.1	167	76	0.47	0.29	2.99	2.9	.1058	1.6	1728	30	-8
258.1	79	42	0.55	0.21	3.17	3.3	.1057	1.6	1726	29	-2

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Bortala Formation, Crystal South (2004169007)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
325.1	106	99	0.96	0.17	3.37	2.7	.1095	0.6	1792	11	7
337.1	53	33	0.63	0.04	3.26	2.7	.1093	0.7	1787	13	3
313.1	143	91	0.66	0.09	3.39	2.6	.1090	0.5	1783	8	7
314.1	222	162	0.75	0.00	3.24	2.6	.1090	0.4	1782	8	3
328.1	161	105	0.68	-0.03	3.30	2.6	.1089	0.4	1781	6	4
335.1	230	177	0.79	0.05	2.98	2.7	.1088	0.4	1780	7	-5
342.1	208	89	0.44	-0.02	3.08	2.6	.1088	0.4	1779	7	-2
316.1	234	104	0.46	0.01	3.11	2.6	.1088	0.3	1779	6	-1
304.1	190	85	0.47	0.01	3.19	2.6	.1087	0.3	1778	6	1
330.1	212	124	0.60	0.00	3.19	2.8	.1087	0.3	1778	6	1
329.1	183	110	0.62	0.00	3.19	2.7	.1087	0.3	1777	6	1
305.1	230	169	0.76	0.06	3.33	2.6	.1087	0.4	1777	7	5
318.1	283	168	0.61	0.07	3.43	2.6	.1086	0.3	1777	6	7
324.1	200	122	0.63	0.00	3.20	2.6	.1086	0.3	1776	6	1
306.1	237	152	0.66	0.12	3.44	2.6	.1086	0.4	1776	7	7
301.1	248	125	0.52	0.01	3.08	2.6	.1086	0.3	1775	6	-2
339.1	223	107	0.50	0.01	3.02	2.7	.1086	0.4	1775	8	-4
302.1	156	97	0.64	0.02	3.07	2.6	.1085	0.4	1775	7	-2
322.1	232	113	0.50	0.04	3.12	2.6	.1085	0.3	1775	6	-1
326.1	282	160	0.59	0.08	3.22	2.6	.1085	0.3	1775	6	2
320.1	237	122	0.53	0.03	3.16	2.6	.1085	0.3	1774	6	0
336.1	258	117	0.47	0.02	3.22	2.6	.1084	0.3	1773	6	2
340.1	163	109	0.69	0.05	3.33	2.6	.1084	0.4	1773	8	5
333.1	193	89	0.48	0.00	2.99	2.6	.1083	0.4	1770	6	-5
334.1	186	118	0.66	0.09	3.12	2.7	.1082	0.4	1770	7	-1
317.1	245	179	0.75	0.05	2.83	2.7	.1082	0.4	1769	8	-10
331.1	202	92	0.47	0.00	3.33	2.6	.1082	0.3	1769	6	4
338.1	289	128	0.46	0.00	3.06	2.6	.1081	0.3	1768	5	-3
319.1	220	131	0.61	0.02	3.17	2.7	.1081	0.3	1767	6	0
310.1	231	143	0.64	0.04	3.21	2.7	.1081	0.4	1767	7	1
308.1	226	98	0.45	0.02	3.18	2.6	.1080	0.4	1766	7	0
309.1	183	93	0.53	0.04	2.99	2.6	.1079	0.4	1764	8	-5
323.1	192	120	0.64	0.03	3.14	2.6	.1079	0.4	1764	7	-1
315.1	231	170	0.76	0.01	3.13	2.7	.1078	0.3	1762	6	-2
312.1	94	40	0.44	0.05	3.20	2.7	.1078	0.5	1762	9	1
321.1	139	79	0.59	0.08	3.11	2.7	.1073	0.5	1754	9	-2
332.1	90	58	0.66	0.08	2.87	2.7	.1068	0.6	1745	11	-10
Discordant analyses											
307.1	319	272	0.88	0.44	4.30	3.9	.1084	2.3	1773	42	24
303.1	144	92	0.66	0.09	3.98	2.6	.1081	0.5	1768	10	18
327.1	352	392	1.15	0.33	3.91	2.6	.1082	0.5	1769	9	17
341.1	177	104	0.61	0.10	3.61	2.6	.1084	0.4	1773	8	11
311.1	162	99	0.63	0.03	2.76	2.6	.1082	0.4	1769	8	-13

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb

$f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Whitworth Quartzite, Mistake Creek (2003169025)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
656.1	95	68	0.74	0.07	1.78	2.5	.1980	0.6	2810	9	-2
612.1	107	38	0.36	0.13	2.03	2.5	.1839	0.6	2688	10	4
625.1	69	48	0.72	0.05	2.09	2.6	.1742	0.8	2599	13	3
649.1	186	138	0.76	0.02	2.30	2.5	.1720	0.5	2577	9	10
618.1	95	136	1.47	-0.14	2.05	2.5	.1715	0.8	2573	13	1
624.1	63	55	0.91	0.03	2.00	2.6	.1713	0.9	2570	14	-2
662.2	115	70	0.63	0.03	2.10	2.0	.1707	0.3	2564	5	2
673.1	141	82	0.60	0.04	2.04	2.4	.1701	0.5	2559	9	-1
619.1	171	143	0.86	0.07	2.15	2.4	.1623	0.5	2479	9	1
639.1	172	69	0.42	0.05	2.20	2.4	.1621	2.8	2478	47	2
627.1	113	90	0.83	0.10	2.21	2.5	.1589	0.7	2444	12	2
664.1	147	100	0.70	0.09	2.78	2.5	.1205	0.9	1963	16	-1
614.1	56	69	1.26	0.05	2.86	2.7	.1195	1.7	1949	30	1
615.1	109	43	0.41	0.18	2.81	2.5	.1190	1.0	1941	19	-1
606.1	94	42	0.46	0.21	2.83	2.5	.1183	1.1	1930	19	-1
623.1	125	90	0.74	-0.06	2.85	2.5	.1182	0.8	1930	14	0
652.1	98	65	0.68	-0.09	3.04	2.5	.1181	0.9	1927	16	5
676.1	66	39	0.61	-0.25	2.83	2.6	.1177	1.4	1922	26	-2
658.1	145	60	0.42	0.15	2.75	2.5	.1169	1.0	1910	18	-5
642.1	140	111	0.82	0.04	2.78	2.4	.1167	0.6	1906	12	-4
672.1	126	112	0.92	0.00	2.99	2.5	.1166	0.7	1904	12	2
643.1	209	94	0.46	0.09	3.28	2.4	.1165	0.5	1904	10	10
661.1	54	52	1.00	0.05	3.05	2.5	.1162	1.2	1899	22	4
677.1	215	115	0.55	-0.07	3.06	2.4	.1160	0.6	1896	10	4
608.1	162	46	0.29	-0.05	2.95	2.4	.1160	0.6	1895	11	1
626.1	171	115	0.69	0.07	2.99	2.4	.1157	0.7	1892	13	2
647.1	142	15	0.11	-0.04	2.81	2.5	.1156	0.8	1889	14	-4
666.1	171	74	0.45	0.00	2.78	2.4	.1154	0.7	1886	13	-5
675.1	143	52	0.38	-0.04	2.91	2.5	.1154	0.7	1886	13	-1
650.1	237	198	0.86	0.08	3.04	2.4	.1152	0.7	1883	13	3
640.1	340	194	0.59	0.00	2.89	2.4	.1151	0.5	1882	9	-2
604.1	121	96	0.82	-0.06	3.05	2.4	.1147	0.8	1875	14	3
641.1	109	77	0.73	0.12	2.97	2.4	.1147	1.6	1875	29	0
629.1	122	64	0.54	0.02	2.90	2.5	.1143	1.1	1870	20	-2
607.1	101	33	0.34	0.16	2.87	2.5	.1143	1.1	1868	21	-3
645.1	169	182	1.12	0.05	2.87	2.5	.1142	0.6	1868	10	-3
620.1	234	183	0.81	0.10	3.14	2.4	.1140	0.7	1864	12	4
610.1	187	76	0.42	0.15	2.95	2.4	.1139	0.8	1862	14	-1
655.3	194	78	0.42	0.07	3.28	2.0	.1138	0.3	1861	6	8
660.1	161	99	0.64	0.08	3.05	2.4	.1138	0.8	1861	15	2
628.1	83	105	1.30	0.08	3.00	2.5	.1136	1.4	1858	25	0
648.1	196	175	0.92	0.03	3.20	2.5	.1135	0.7	1856	13	5
605.1	42	58	1.43	0.16	3.04	2.6	.1133	1.5	1854	28	1
602.1	93	70	0.78	0.34	2.92	2.5	.1133	1.3	1853	24	-2
667.1	142	68	0.49	0.09	2.77	2.4	.1130	0.7	1848	12	-8
638.1	83	76	0.95	0.17	2.94	2.6	.1128	1.2	1845	21	-2
636.1	236	158	0.69	0.49	3.32	2.8	.1126	2.2	1842	40	8
659.1	104	57	0.56	0.14	2.81	2.5	.1125	1.0	1841	19	-6
657.1	85	62	0.75	0.15	2.78	2.5	.1121	1.2	1834	22	-8
630.1	167	83	0.51	0.20	2.97	2.4	.1119	0.8	1831	14	-2
646.1	112	69	0.63	0.24	2.93	2.6	.1113	1.3	1820	23	-4
653.1	97	79	0.84	0.15	3.07	2.6	.1108	1.4	1813	26	0
674.1	109	67	0.63	-0.11	3.02	2.7	.1107	1.2	1811	21	-2
611.1	69	67	1.00	0.37	2.86	2.6	.1106	1.9	1809	34	-7
669.1	82	64	0.81	0.06	2.89	2.5	.1104	0.9	1807	16	-6
617.1	66	53	0.83	0.16	3.15	2.6	.1090	1.6	1783	28	0
663.1	130	80	0.64	0.29	2.96	2.5	.1089	1.2	1781	22	-5
621.2	154	71	0.48	0.07	3.26	2.0	.1087	0.5	1778	9	3
613.2	90	78	0.90	0.14	3.50	2.2	.1081	0.5	1768	9	8
601.2	208	133	0.66	0.07	3.47	2.0	.1080	0.3	1766	6	8
668.1	150	71	0.49	0.04	2.98	2.4	.1076	1.1	1760	20	-6
654.1	182	77	0.44	0.03	3.10	2.5	.1074	0.8	1756	15	-3
609.1	87	61	0.72	0.14	3.23	2.5	.1070	1.3	1749	24	0
Common Pb content above 0.5%											
502.1	2297	556	0.25	3.66	41.55	2.4	.1116	4.5	1826	82	92
603.1	244	175	0.74	1.45	4.68	2.4	.1089	2.1	1781	38	30
655.1	416	125	0.31	0.75	5.31	2.4	.1058	1.5	1728	27	36
501.1	525	42	0.08	0.68	6.73	2.4	.1167	1.1	1906	19	53
616.1	279	193	0.72	0.58	5.00	2.4	.1465	1.0	2305	17	49
601.1	221	216	1.01	0.57	2.83	2.5	.1053	1.3	1720	24	-13
609.2	89	61	0.71	0.55	3.26	2.0	.1077	2.0	1760	36	2
622.1	48	63	1.34	0.52	2.50	2.7	.1655	1.6	2512	27	14
Discordant analyses											
665.1	170	56	0.34	0.44	3.79	2.4	.1552	0.9	2404	15	37
644.1	314	149	0.49	0.46	4.97	2.4	.1149	1.1	1878	21	37
668.2	230	123	0.55	0.35	4.71	2.0	.1092	0.7	1785	12	31
651.1	434	661	1.57	0.11	3.68	2.7	.1099	0.7	1798	13	14

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)				
637.1	43	37	0.89	0.20	2.26	2.8	.1329	1.5	2137	27	-11	
Analytical instabilities												
670.1	35	36	1.07	0.08	1.94	2.9	.1969	8.1	2800	132	4	
671.1	96	239	2.58	-0.08	2.53	2.5	.1814	6.6	2665	109	19	
Repeat-grain analyses												
613.1	84	65	0.79	0.00	3.21	2.5	0.1088	0.9	1779	16	2	
621.1	93	52	0.58	0.12	3.09	2.5	0.1071	1.3	1750	23	-3	
655.2	230	95	0.43	-0.07	2.96	2.6	0.1128	0.7	1845	12	-2	
662.1	117	74	0.65	-0.01	1.91	2.5	0.1729	0.5	2586	9	-5	

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $^\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Quilalar Formation, Mistake Creek (2003169028)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
208.1	239	157	0.68	0.32	1.96	2.4	.1936	0.5	2773	8	4
204.1	80	95	1.22	0.23	2.19	2.5	.1770	0.8	2625	13	8
211.1	173	146	0.87	0.03	2.03	2.4	.1726	0.4	2583	7	0
229.1	139	208	1.55	0.10	2.17	2.5	.1713	0.6	2570	10	5
228.1	36	50	1.44	0.07	2.07	2.8	.1678	1.1	2536	18	0
260.1	118	67	0.59	0.06	2.02	2.5	.1655	0.6	2512	11	-3
223.1	131	93	0.73	0.08	2.13	2.5	.1653	0.7	2511	11	1
207.1	115	48	0.43	0.05	2.12	2.4	.1650	0.6	2507	10	1
220.1	101	58	0.60	0.40	1.92	3.1	.1650	1.3	2507	21	-8
271.1	67	52	0.80	-0.08	2.01	2.5	.1629	0.8	2485	13	-5
263.1	41	64	1.63	0.34	2.02	2.7	.1619	1.5	2476	26	-4
215.1	69	63	0.94	0.08	2.16	2.5	.1616	0.7	2472	12	1
230.1	32	16	0.51	0.06	2.06	4.5	.1590	1.6	2445	28	-4
214.1	84	72	0.89	0.40	2.44	3.3	.1583	1.9	2437	33	9
210.1	38	28	0.75	0.24	2.18	2.8	.1541	2.2	2392	38	-2
227.1	84	78	0.95	0.08	2.52	2.6	.1485	1.0	2329	18	8
218.1	49	48	1.01	0.36	2.66	2.6	.1315	1.6	2118	28	3
251.1	127	104	0.84	0.18	2.74	2.5	.1248	1.0	2026	18	1
272.1	247	79	0.33	0.18	2.99	2.4	.1241	0.7	2016	12	8
244.1	156	243	1.62	0.09	2.84	2.4	.1239	0.6	2013	11	4
275.1	130	92	0.74	-0.02	2.68	2.5	.1231	0.6	2001	11	-2
222.1	94	42	0.46	0.10	2.80	2.5	.1224	1.3	1991	23	1
213.1	79	136	1.78	0.11	2.80	2.5	.1209	1.1	1969	19	0
261.1	135	78	0.60	0.15	2.79	2.6	.1200	0.8	1956	14	-1
203.1	90	142	1.64	-0.11	2.92	2.5	.1199	1.1	1955	20	3
278.1	35	31	0.93	0.06	2.76	2.8	.1198	2.5	1953	45	-2
258.1	92	59	0.66	0.14	2.77	2.6	.1187	1.2	1936	21	-3
253.1	154	88	0.59	-0.03	2.90	2.7	.1180	0.9	1927	16	1
206.1	56	48	0.89	0.40	2.88	2.7	.1178	1.9	1924	34	0
225.1	84	28	0.35	0.23	2.88	2.9	.1177	1.5	1922	26	0
240.1	75	127	1.73	0.12	2.59	2.5	.1177	1.1	1921	19	-10
264.1	104	86	0.85	-0.07	2.84	2.5	.1172	0.8	1914	14	-2
269.1	42	29	0.72	-0.07	2.81	2.7	.1163	1.5	1900	27	-3
239.1	21	65	3.20	0.30	2.88	2.8	.1162	2.8	1899	51	-1
276.1	126	125	1.03	0.06	2.88	2.5	.1161	0.8	1897	14	-1
257.1	107	149	1.44	0.26	2.79	2.8	.1156	1.3	1889	24	-4
224.1	60	40	0.69	0.02	3.15	2.6	.1150	1.1	1879	20	5
237.1	120	33	0.29	-0.01	3.02	2.5	.1144	1.2	1870	22	1
265.1	68	51	0.78	-0.09	2.83	2.5	.1142	0.9	1868	16	-4
249.1	137	70	0.53	0.03	2.87	2.4	.1140	0.6	1865	12	-3
241.1	167	94	0.58	0.06	2.89	2.4	.1139	0.6	1863	12	-3
216.1	22	37	1.75	0.22	2.79	3.0	.1138	3.2	1862	57	-6
267.1	127	151	1.23	0.07	2.87	2.5	.1137	0.9	1860	16	-4
219.1	152	82	0.56	0.17	2.99	2.5	.1137	1.3	1859	23	0
254.1	62	54	0.90	0.06	3.17	3.0	.1137	1.6	1859	29	5
252.1	143	115	0.83	0.00	2.99	2.5	.1136	0.8	1859	15	0
246.1	184	164	0.92	0.04	3.01	2.4	.1133	0.6	1853	10	0
273.1	22	6	0.28	0.32	2.96	2.9	.1132	2.9	1852	53	-1
248.1	111	71	0.66	0.15	2.93	2.4	.1132	0.8	1851	15	-2
102.1	196	116	0.61	0.09	3.08	2.4	.1132	0.7	1851	13	2
202.1	173	98	0.59	0.13	2.93	2.4	.1131	0.8	1850	15	-2
201.1	95	102	1.11	0.08	3.04	2.5	.1128	1.0	1845	17	1
243.1	147	66	0.46	0.16	2.85	2.4	.1127	0.8	1844	14	-5
274.1	118	78	0.68	0.06	3.04	2.6	.1125	1.0	1840	18	0
255.2	46	20	0.45	0.18	3.02	2.0	.1124	0.7	1839	13	0
226.1	179	176	1.02	0.11	3.11	2.4	.1123	0.7	1836	13	2
270.1	97	78	0.84	0.25	2.84	3.0	.1121	1.1	1834	19	-6
236.1	100	171	1.77	0.39	2.96	2.5	.1119	1.4	1830	25	-3
209.2	106	60	0.58	0.10	3.17	2.0	.1117	0.4	1828	8	3
212.1	182	114	0.65	0.18	3.02	2.4	.1112	0.9	1819	17	-1
250.1	152	108	0.74	0.09	3.05	2.5	.1112	1.0	1819	18	0
279.1	170	134	0.81	0.04	2.94	2.4	.1103	0.7	1804	12	-5
221.1	111	47	0.44	0.30	2.96	2.5	.1097	0.9	1795	16	-4
277.2	105	79	0.78	0.09	3.25	2.0	.1085	0.4	1774	8	2
247.2	88	36	0.42	0.10	3.15	2.0	.1079	0.5	1764	9	-1
245.3	143	153	1.10	0.09	3.39	2.0	.1077	0.4	1760	7	5
266.3	71	37	0.54	0.14	3.22	2.0	.1075	0.5	1757	10	1
256.4	38	17	0.46	0.33	3.40	2.2	.1067	0.9	1745	17	5
Common Pb content above 0.5%											
101.1	1776	2968	1.73	6.19	22.35	2.5	.1003	8.1	1629	151	83
255.1	48	22	0.47	0.70	3.16	2.8	.1093	2.9	1787	53	1
217.1	46	51	1.13	0.59	2.11	3.3	.1640	1.4	2497	24	0
205.1	31	40	1.35	0.56	2.98	2.8	.1116	3.3	1825	59	-2
Discordant analyses											
245.2	133	153	1.19	0.19	3.81	2.4	.1090	0.7	1783	13	16
238.1	176	61	0.36	0.05	3.52	2.5	.1153	0.6	1884	11	14
242.1	151	63	0.43	0.09	2.56	2.5	.1098	1.1	1797	21	-18

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)		
Repeat-grain analyses											
209.1	103	59	0.59	0.17	2.96	2.5	0.1091	0.9	1784	16	-5
245.1	127	121	0.98	0.13	3.23	2.4	0.1075	0.8	1757	15	1
247.1	93	42	0.47	-0.11	3.06	2.5	0.1095	0.8	1791	15	-2
256.2	62	34	0.56	0.35	2.97	2.6	0.1057	1.9	1727	36	-8
256.3	41	19	0.47	0.31	3.35	2.4	0.1096	1.1	1793	20	6
266.1	74	70	0.98	0.00	2.86	2.6	0.1087	1.2	1777	23	-9
266.2	62	32	0.54	0.23	3.36	2.3	0.1086	0.9	1776	17	5
277.1	114	91	0.82	-0.05	3.02	2.5	0.1091	0.8	1785	15	-3

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $^\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the basal Quilalar Formation, Jamie Copper (2004169001)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
453.1	135	65	0.50	0.06	2.08	1.6	.1663	0.5	2520	8	-1
421.1	189	149	0.81	0.04	2.06	1.5	.1629	0.4	2485	8	-2
458.1	182	135	0.77	0.11	2.60	1.5	.1390	0.5	2215	8	5
479.1	134	53	0.40	0.09	3.07	1.6	.1156	0.6	1889	10	4
434.1	315	122	0.40	0.41	2.95	1.5	.1145	0.6	1872	11	0
465.1	187	88	0.49	0.06	2.95	1.5	.1130	0.5	1849	9	-2
447.1	186	72	0.40	0.33	3.01	1.5	.1127	0.7	1843	12	0
468.1	163	57	0.36	0.06	3.04	1.5	.1117	0.5	1827	10	0
472.1	205	100	0.50	0.03	3.05	1.5	.1116	0.5	1826	8	0
481.1	233	90	0.40	0.05	3.12	1.5	.1115	0.4	1823	8	2
461.1	113	59	0.54	0.14	3.12	1.7	.1109	0.7	1814	13	1
436.1	107	78	0.76	0.20	3.34	1.6	.1101	0.8	1800	15	6
441.1	120	70	0.61	0.12	3.18	1.6	.1097	0.7	1795	12	2
419.1	79	52	0.68	0.26	3.12	1.7	.1097	1.1	1794	19	0
405.1	305	275	0.93	0.25	3.17	1.5	.1097	0.6	1794	10	1
464.1	147	70	0.49	0.03	3.18	1.6	.1094	0.5	1789	10	2
451.1	123	100	0.84	0.02	3.14	1.6	.1093	0.6	1788	11	0
415.1	149	123	0.85	0.20	3.16	1.6	.1093	0.7	1788	12	1
470.1	232	88	0.39	0.05	3.11	1.5	.1091	0.4	1785	8	-1
407.1	169	126	0.77	0.18	3.11	1.6	.1091	0.7	1784	12	-1
489.1	226	166	0.76	0.03	3.15	1.5	.1088	0.4	1780	8	0
417.1	319	65	0.21	0.07	3.04	1.5	.1088	0.4	1780	7	-3
416.1	166	87	0.54	0.09	3.09	1.6	.1087	0.6	1778	11	-2
431.1	240	52	0.22	0.06	3.11	1.5	.1087	0.5	1777	9	-1
488.1	267	115	0.45	0.03	3.22	1.5	.1086	0.4	1776	7	2
467.1	171	112	0.68	0.06	3.19	1.5	.1086	0.5	1775	9	1
463.1	72	49	0.71	0.28	3.15	1.7	.1085	1.0	1775	19	0
429.1	199	160	0.83	0.08	3.12	1.5	.1085	0.5	1774	10	-1
442.1	165	70	0.44	0.05	3.12	1.6	.1085	0.5	1774	10	-1
412.1	277	150	0.56	0.06	3.13	1.8	.1085	0.4	1774	8	-1
437.1	141	100	0.73	0.49	3.29	1.6	.1084	1.0	1773	18	4
473.1	194	97	0.51	0.22	3.15	1.5	.1083	0.6	1772	11	0
471.1	160	72	0.46	0.06	3.19	1.6	.1083	0.6	1771	11	1
491.1	203	100	0.51	0.03	3.17	1.5	.1083	0.5	1771	8	0
443.1	189	119	0.65	0.06	3.20	1.5	.1083	0.5	1770	10	1
456.1	158	146	0.95	0.06	3.10	1.6	.1082	0.6	1769	10	-2
450.1	143	94	0.68	0.09	3.20	1.6	.1082	0.6	1769	11	1
446.1	196	139	0.73	0.09	3.24	1.5	.1081	0.6	1768	11	2
478.1	226	110	0.50	0.05	3.18	1.6	.1081	0.4	1768	8	0
423.1	210	128	0.63	0.05	3.20	1.5	.1081	0.5	1767	9	1
411.1	188	166	0.91	0.45	3.14	1.5	.1080	0.8	1766	15	-1
404.1	228	105	0.48	0.07	3.14	1.5	.1080	0.5	1766	9	-1
484.1	180	107	0.62	0.12	3.28	1.5	.1080	0.6	1765	10	3
440.1	161	138	0.88	0.07	3.12	1.6	.1080	0.6	1765	11	-2
460.1	102	95	0.97	0.33	3.19	1.7	.1079	0.9	1765	16	1
433.1	234	85	0.38	0.06	3.17	1.5	.1079	0.5	1765	9	0
476.1	224	123	0.57	0.03	3.17	1.5	.1079	0.4	1764	8	0
406.1	224	125	0.58	0.06	3.12	1.5	.1079	0.5	1764	9	-2
469.1	231	207	0.92	0.03	3.16	1.5	.1077	0.5	1761	8	-1
444.1	163	60	0.38	0.05	3.12	1.6	.1077	0.6	1761	10	-2
486.1	121	125	1.07	0.10	3.30	1.9	.1076	0.7	1759	12	3
449.1	180	196	1.12	0.03	3.21	1.6	.1076	0.5	1759	9	1
475.1	128	73	0.58	0.01	3.21	1.6	.1075	0.6	1758	11	0
492.1	166	116	0.72	0.08	3.13	1.7	.1075	0.6	1757	10	-2
413.1	260	290	1.15	0.04	3.22	1.5	.1074	0.4	1756	8	1
448.1	287	310	1.12	0.43	3.41	1.5	.1074	0.7	1756	12	6
485.1	76	55	0.74	0.22	3.26	2.8	.1074	0.9	1756	17	2
454.1	159	85	0.55	0.10	3.12	1.6	.1074	0.6	1755	11	-2
480.1	324	339	1.08	0.16	3.19	1.5	.1073	0.4	1755	8	0
483.1	188	114	0.62	0.04	3.20	1.5	.1073	0.5	1754	9	0
490.1	156	111	0.74	0.06	3.26	1.5	.1073	0.6	1754	10	2
462.1	175	121	0.72	0.11	3.18	1.6	.1072	0.6	1752	10	-1
487.1	198	129	0.67	0.08	3.21	1.5	.1072	0.5	1752	9	0
445.1	142	59	0.43	0.08	3.13	1.7	.1071	0.7	1751	14	-2
418.1	173	107	0.64	0.13	3.17	1.6	.1071	0.6	1750	11	-1
428.1	180	130	0.75	0.11	3.16	1.5	.1070	0.6	1749	11	-1
459.1	169	176	1.08	0.13	3.21	1.5	.1068	0.6	1746	11	0
435.1	168	119	0.73	0.13	3.17	1.5	.1061	0.6	1734	11	-2
439.1	112	91	0.84	0.13	3.15	1.6	.1057	0.8	1727	14	-3
477.1	139	80	0.60	0.12	3.20	1.6	.1057	0.6	1727	11	-2

Common Pb content above 0.5%

438.1	368	191	0.54	10.21	2.99	1.9	.1081	14.0	1767	256	-5
452.1	146	82	0.58	1.07	3.10	1.6	.1147	1.4	1875	25	4
466.1	167	104	0.64	0.90	3.22	1.7	.1000	5.0	1624	93	-7
455.1	255	128	0.52	0.86	3.28	1.5	.1116	1.5	1826	28	6
425.1	546	57	0.11	0.85	3.05	1.5	.1136	1.0	1857	17	2
482.1	189	153	0.84	0.80	3.35	1.7	.1083	1.1	1770	21	5
474.1	276	186	0.70	0.62	3.22	1.5	.1101	0.8	1801	15	3

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^{\#}$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
424.1	206	107	0.54	0.51	3.11	1.6	.1086	0.8	1776	15	-1
Discordant analyses											
457.1	95	79	0.86	0.49	3.89	1.6	.1116	1.2	1826	21	19

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb

$\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Quilalar Formation, Jamie Copper (2003169030)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
439.1	133	68	0.53	0.01	2.14	1.8	.1767 0.8	2622 14	6		
452.1	250	35	0.14	0.00	2.32	1.8	.1642 0.3	2499 6	8		
470.1	341	229	0.69	0.04	2.80	1.8	.1363 0.4	2180 6	10		
401.1	410	16	0.04	0.15	2.80	1.2	.1184 0.4	1933 7	-2		
467.1	251	152	0.62	0.02	3.25	1.8	.1151 0.5	1881 9	8		
498.1	296	240	0.84	0.08	3.28	1.9	.1141 0.5	1866 9	8		
451.1	279	245	0.91	0.04	3.16	1.8	.1136 0.4	1857 8	5		
462.1	228	69	0.31	0.08	3.24	1.8	.1134 0.6	1854 10	6		
425.1	185	97	0.54	0.07	3.24	1.8	.1134 0.7	1854 12	6		
460.1	208	61	0.31	0.02	3.34	1.8	.1133 0.5	1853 9	9		
459.1	370	208	0.58	0.02	3.43	1.7	.1092 0.6	1786 11	8		
483.1	202	83	0.43	0.04	3.45	1.8	.1090 0.6	1783 11	8		
496.1	248	157	0.66	0.09	3.45	1.8	.1088 0.5	1779 10	8		
424.1	244	149	0.63	0.03	3.31	1.8	.1086 0.5	1776 10	4		
427.1	236	133	0.58	-0.02	3.50	1.8	.1084 0.6	1774 10	9		
458.1	300	270	0.93	0.05	3.48	1.8	.1083 0.5	1771 9	8		
484.1	331	122	0.38	0.07	3.37	1.8	.1082 0.6	1770 10	5		
417.1	186	150	0.84	0.02	3.56	1.8	.1081 0.6	1768 11	10		
466.1	112	68	0.62	0.11	3.30	2.0	.1081 0.7	1768 13	3		
476.1	199	182	0.94	0.08	3.33	1.9	.1081 0.6	1767 10	4		
474.1	248	171	0.71	0.01	3.39	1.8	.1079 0.5	1765 9	6		
445.1	317	174	0.57	0.04	3.56	1.9	.1079 0.5	1765 9	10		
403.1	120	113	0.97	0.12	3.20	1.4	.1079 1.0	1764 17	1		
406.1	302	171	0.59	0.07	3.28	1.3	.1078 0.5	1763 8	3		
464.1	139	74	0.55	-0.05	3.49	1.8	.1078 0.7	1763 13	8		
463.1	142	89	0.65	-0.03	3.46	1.8	.1078 0.7	1763 12	7		
446.1	301	110	0.38	0.06	3.52	1.9	.1078 0.5	1762 9	8		
4992.1	183	101	0.57	-0.02	3.51	1.8	.1078 0.5	1762 10	8		
454.1	240	94	0.40	0.06	3.43	1.8	.1075 0.5	1758 9	6		
442.1	473	153	0.33	0.08	3.60	1.8	.1075 0.4	1758 7	10		
457.1	187	88	0.49	0.05	3.53	1.8	.1075 0.8	1758 14	9		
461.1	258	135	0.54	-0.01	3.36	1.8	.1075 0.5	1758 9	4		
488.1	194	149	0.79	0.09	3.46	1.9	.1075 0.6	1757 11	7		
448.1	158	71	0.47	0.00	3.32	1.8	.1075 0.6	1757 11	3		
471.1	119	125	1.08	0.10	3.53	1.9	.1075 0.7	1757 14	8		
405.1	338	102	0.31	0.01	2.86	1.3	.1075 0.4	1757 8	-10		
499.1	196	142	0.75	-0.03	3.42	1.8	.1074 0.6	1756 10	6		
455.1	241	148	0.64	0.03	3.51	1.8	.1074 0.5	1756 9	8		
409.1	283	133	0.49	0.11	3.34	1.3	.1074 0.5	1756 10	4		
490.1	114	162	1.46	0.04	3.60	1.8	.1074 0.7	1755 14	10		
485.1	238	142	0.62	0.08	3.57	1.8	.1073 0.6	1754 11	9		
404.1	148	104	0.73	0.12	3.08	1.4	.1072 0.8	1753 15	-3		
447.2	171	90	0.55	0.07	3.16	2.4	.1072 0.3	1752 6	-1		
441.2	156	107	0.71	0.05	3.38	2.4	.1072 0.4	1752 8	5		
410.1	207	133	0.66	0.10	3.45	1.3	.1071 0.8	1751 14	6		
4991.2	201	167	0.86	0.08	3.13	2.4	.1071 0.3	1751 6	-2		
492.1	326	161	0.51	0.18	3.49	1.9	.1071 0.6	1751 11	7		
478.1	229	148	0.67	0.05	3.47	1.9	.1071 0.5	1750 10	7		
487.1	151	104	0.71	0.10	3.46	1.8	.1070 0.7	1749 13	7		
486.1	182	115	0.66	0.03	3.64	1.9	.1070 0.6	1749 12	10		
438.2	211	107	0.52	0.06	3.23	2.4	.1070 0.3	1749 6	0		
473.1	163	107	0.68	0.08	3.50	1.8	.1070 0.6	1749 11	7		
456.1	174	123	0.73	0.11	3.57	1.8	.1070 0.7	1748 13	9		
477.1	284	175	0.64	0.06	3.40	1.8	.1070 0.5	1748 10	5		
497.1	188	148	0.82	0.19	3.03	1.9	.1069 0.7	1748 13	-5		
479.1	316	248	0.81	0.10	3.47	1.8	.1068 0.5	1745 9	6		
420.2	203	71	0.36	0.23	3.14	2.4	.1067 0.4	1744 8	-2		
440.2	160	111	0.71	0.10	3.15	2.4	.1067 0.4	1744 7	-2		
489.1	240	91	0.39	0.04	3.47	1.8	.1067 0.7	1743 12	6		
4993.1	218	108	0.51	0.08	3.08	1.8	.1067 0.5	1743 9	-4		
475.2	94	77	0.84	0.22	3.28	2.5	.1066 0.6	1743 11	2		
402.1	192	176	0.95	0.09	3.10	1.3	.1066 0.6	1742 11	-3		
437.2	64	45	0.72	0.21	3.20	2.4	.1065 0.7	1741 13	-1		
468.1	144	72	0.51	0.14	3.62	1.8	.1065 1.0	1741 18	10		
415.1	206	131	0.66	0.16	3.65	2.5	.1064 0.9	1739 16	10		
414.2	247	157	0.66	0.29	3.47	2.4	.1063 0.5	1737 9	6		
416.2	121	65	0.55	0.10	3.16	2.4	.1063 0.5	1737 9	-2		
453.1	122	69	0.59	0.23	3.25	1.8	.1063 0.9	1737 17	0		
411.1	214	170	0.82	0.05	3.11	1.3	.1063 0.5	1737 9	-4		
491.2	210	111	0.54	0.11	3.04	2.4	.1062 0.4	1736 7	-6		
407.2	102	50	0.51	0.26	3.25	2.4	.1061 0.5	1733 10	0		
4994.2	134	88	0.67	0.12	3.25	2.4	.1061 0.4	1733 8	0		
432.2	190	143	0.78	0.38	3.28	2.4	.1056 0.6	1726 11	1		
421.1	168	110	0.68	0.11	3.59	1.8	.1052 0.8	1717 14	8		
Common Pb content above 0.5%											
493.1	368	119	0.34	3.82	1.37	1.8	.1923 2.5	2762 42	-28		
450.2	586	476	0.84	2.02	4.14	3.6	.0898 4.5	1421 86	2		
453.2	158	109	0.71	1.73	2.91	2.5	.1049 2.1	1712 38	-11		

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)	
495.1	354	147	0.43	1.42	2.73	1.9	.1547 1.3	2398 22	16
412.1	290	116	0.41	0.90	4.41	1.8	.1046 1.5	1708 28	23
412.2	214	124	0.60	0.85	3.30	2.4	.1058 1.3	1728 23	1
411.2	208	178	0.88	0.71	3.56	2.5	.1021 1.2	1662 23	4
472.1	182	118	0.67	0.61	3.88	1.8	.1057 1.3	1726 25	14
469.2	187	118	0.65	0.58	3.18	2.4	.1062 0.8	1736 15	-2
Discordant analyses									
480.2	205	84	0.42	0.49	4.38	2.4	.1059 0.8	1730 14	23
413.1	273	218	0.83	0.22	4.25	1.8	.1072 0.8	1753 14	22
422.1	296	145	0.50	0.43	4.25	1.8	.1070 0.9	1749 17	22
480.1	259	107	0.43	0.35	4.13	1.8	.1039 1.0	1695 18	18
443.1	187	99	0.55	0.22	3.90	1.8	.1069 0.8	1747 15	16
426.1	279	192	0.71	0.17	3.86	1.8	.1074 0.7	1755 13	15
416.1	147	80	0.56	0.11	3.86	1.8	.1062 0.9	1735 17	14
481.1	216	115	0.55	0.00	3.74	1.8	.1084 0.5	1772 10	14
469.1	171	96	0.58	0.26	3.83	1.8	.1061 0.9	1734 17	14
419.1	331	245	0.76	0.07	3.79	1.8	.1067 0.5	1744 9	13
449.1	141	80	0.58	-0.04	3.71	1.8	.1077 0.7	1761 13	13
418.1	197	132	0.69	-0.01	3.71	1.8	.1073 0.6	1754 11	12
494.1	134	65	0.50	0.11	3.50	1.8	.1129 0.8	1847 14	12
408.1	214	112	0.54	0.02	3.69	1.3	.1074 0.6	1756 11	12
444.1	180	101	0.58	0.06	3.67	1.8	.1077 0.7	1761 12	12
482.1	180	97	0.55	0.05	3.68	1.8	.1068 0.6	1746 11	11
414.1	280	146	0.54	0.07	3.70	1.8	.1061 0.6	1734 10	11
423.1	180	93	0.54	-0.02	3.62	1.8	.1082 0.6	1770 12	11
465.1	344	21	0.06	0.01	1.90	1.7	.2305 0.2	3055 4	11
Repeat-grain analyses									
402.2	161	141	0.91	0.16	3.28	2.4	.1108 0.8	1813 14	5
407.1	136	62	0.47	0.13	3.56	1.4	.1062 1.0	1736 18	8
420.1	201	82	0.42	0.32	3.66	1.8	.1061 0.9	1734 16	10
440.1	198	139	0.73	0.07	3.63	1.8	.1060 0.6	1731 12	9
441.1	156	95	0.63	0.07	3.61	2.0	.1062 0.7	1735 13	9
447.1	194	105	0.56	0.11	3.29	2.0	.1066 0.8	1741 15	2
475.1	151	118	0.81	0.20	3.28	1.8	.1061 0.8	1734 15	1
491.1	272	138	0.52	0.04	3.45	2.0	.1063 0.5	1737 8	5
4991.1	198	148	0.77	0.09	3.48	1.8	.1064 0.6	1738 10	6
4994.1	189	112	0.61	0.04	3.18	1.8	.1065 0.7	1740 12	-1
Cracked grain									
450.1	126	112	0.92	0.37	3.64	1.9	.1029 1.3	1677 24	7

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $^\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the lower Bigie Formation, Mistake Creek (2003169026)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
631.1	57	52	0.94	0.04	1.90	2.0	.1978	0.7	2808	11	3
649.1	98	50	0.53	0.06	2.03	2.2	.1832	0.6	2682	9	4
644.1	96	41	0.44	0.04	2.19	1.9	.1725	0.6	2582	10	6
628.1	69	43	0.65	0.12	2.28	2.0	.1651	0.8	2508	13	6
612.1	188	154	0.85	0.00	2.30	1.8	.1593	0.4	2448	7	5
620.1	80	103	1.32	0.08	2.39	1.9	.1583	0.7	2438	12	7
630.1	164	89	0.56	0.05	2.44	1.8	.1568	0.5	2421	8	9
627.1	21	51	2.48	0.35	2.52	3.0	.1529	1.5	2379	26	9
661.1	193	206	1.10	0.02	2.59	1.8	.1496	0.5	2341	8	10
615.1	192	177	0.95	0.04	2.87	1.8	.1256	0.5	2037	9	6
651.1	130	40	0.32	0.01	2.85	1.8	.1241	0.7	2016	12	4
607.1	98	64	0.67	0.05	3.03	1.9	.1217	0.8	1981	14	7
625.1	213	71	0.34	0.00	3.27	1.8	.1161	0.6	1897	10	9
646.1	89	63	0.72	0.02	3.13	1.9	.1158	0.9	1892	17	6
655.1	56	31	0.58	0.24	2.97	2.3	.1156	1.3	1890	23	1
626.1	70	32	0.47	0.18	3.32	2.0	.1153	1.0	1885	19	10
624.1	53	40	0.77	0.28	3.22	2.0	.1152	1.2	1884	22	7
617.1	182	261	1.48	0.03	3.05	1.8	.1149	0.6	1878	10	3
652.1	163	124	0.79	-0.03	3.10	1.8	.1148	0.6	1877	11	4
609.1	123	63	0.53	-0.08	3.22	1.8	.1148	0.9	1876	16	7
660.1	123	112	0.94	-0.04	3.32	1.9	.1144	0.8	1870	14	9
602.1	23	252	11.44	-0.05	2.82	2.4	.1141	1.6	1866	29	-5
662.1	131	74	0.58	0.09	3.20	1.8	.1132	0.7	1851	13	5
605.1	43	41	0.97	0.10	3.16	2.1	.1130	1.3	1848	24	4
603.1	121	65	0.56	-0.11	3.20	1.9	.1120	0.9	1832	16	4
643.1	92	69	0.78	0.10	3.32	1.9	.1110	0.9	1815	16	6
647.1	151	76	0.52	-0.03	3.30	1.8	.1108	0.7	1812	12	6
614.1	118	61	0.53	0.08	3.26	1.9	.1108	0.8	1812	14	5
642.1	191	126	0.68	-0.03	3.25	1.8	.1107	0.6	1812	10	5
634.1	185	93	0.52	0.02	3.28	1.8	.1103	0.8	1805	15	5
604.2	128	106	0.85	0.13	3.13	2.4	.1100	0.4	1799	8	1
611.1	170	104	0.63	0.05	3.34	1.8	.1098	0.7	1796	12	6
656.1	58	58	1.03	0.09	3.28	2.0	.1098	1.2	1796	22	4
619.1	139	86	0.64	-0.04	3.37	1.9	.1097	0.7	1794	13	7
663.2	124	92	0.76	0.11	3.22	2.4	.1096	0.5	1792	9	3
636.1	70	57	0.84	0.15	3.33	2.3	.1095	1.0	1791	19	6
633.1	67	53	0.81	0.19	3.47	2.0	.1094	1.2	1790	23	9
606.1	100	58	0.59	0.39	3.11	1.9	.1094	1.3	1790	23	0
629.1	142	91	0.66	0.05	3.43	1.8	.1094	0.7	1790	13	8
610.1	111	105	0.98	0.05	3.30	1.9	.1092	0.8	1785	15	4
645.2	61	28	0.47	0.21	3.06	2.4	.1091	0.6	1784	11	-2
659.1	146	77	0.54	0.07	3.17	1.8	.1090	0.7	1782	13	1
618.1	77	49	0.65	0.09	3.29	1.9	.1090	0.9	1782	17	4
601.1	134	66	0.51	0.09	3.12	1.8	.1089	0.7	1782	13	-1
616.1	128	98	0.79	0.06	3.36	1.9	.1089	0.9	1781	16	6
613.1	133	121	0.94	0.04	3.45	1.8	.1088	0.8	1780	14	8
623.1	68	55	0.84	0.00	3.53	2.0	.1087	1.0	1778	18	10
654.1	122	76	0.64	0.13	3.32	1.9	.1086	0.9	1776	16	4
632.2	52	25	0.49	0.21	3.27	2.4	.1086	0.7	1775	13	3
653.1	115	56	0.50	0.08	3.37	1.9	.1085	0.8	1775	14	6
621.1	172	107	0.64	0.09	3.55	1.9	.1085	0.7	1774	13	10
648.1	101	47	0.48	0.07	3.21	1.9	.1083	0.9	1771	17	1
635.1	89	50	0.57	0.09	3.33	1.9	.1078	1.1	1762	19	4
622.2	123	58	0.48	0.09	3.05	2.4	.1076	0.6	1759	11	-4
658.2	39	25	0.66	0.39	3.12	2.5	.1072	1.0	1753	17	-2
641.2	107	42	0.41	0.11	3.19	2.4	.1072	0.5	1752	9	0
Common Pb content above 0.5%											
502.1	464	391	0.87	1.49	5.96	1.8	.1129	2.6	1847	46	46
635.2	73	46	0.65	0.58	3.26	2.4	.1086	1.4	1776	26	3
Discordant analyses											
501.1	305	334	1.13	0.34	4.54	1.9	.1139	0.7	1862	13	31
650.1	126	72	0.59	0.21	4.07	1.9	.1182	1.1	1929	19	27
639.1	168	94	0.58	0.12	4.11	1.8	.1099	0.9	1798	17	22
604.1	157	112	0.74	0.16	3.78	1.8	.1077	0.9	1761	16	14
608.1	68	34	0.51	0.07	2.44	2.0	.1681	0.7	2539	12	13
640.1	649	311	0.49	0.02	2.75	1.7	.1453	0.3	2291	5	13
641.1	134	164	1.27	0.18	3.70	1.9	.1081	0.9	1767	17	13
637.1	145	93	0.66	0.10	3.64	1.8	.1095	0.8	1792	15	13
638.1	109	51	0.48	0.04	3.50	1.9	.1113	1.0	1821	19	11
657.1	113	48	0.44	-0.02	3.23	1.9	.1200	0.8	1956	13	11
Repeat-grain analyses											
622.1	149	87	0.61	0.13	3.55	2.0	.1070	0.8	1749	14	8
632.1	57	27	0.48	0.26	3.25	2.0	.1069	1.6	1748	29	1
645.1	62	29	0.49	0.25	3.29	2.0	.1074	1.4	1757	25	3
658.1	72	61	0.88	0.13	3.42	2.0	.1075	1.0	1758	19	6
658.3	45	32	0.75	0.19	3.27	2.5	.1088	0.8	1779	14	3

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
663.1	130	101	0.80	0.09	3.42	2.0	0.1077	0.8	1761	14	6

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb

$^\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the upper Bigie Formation, Mistake Creek (2003169027)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
436.1	62	58	0.96	0.23	2.02	2.5	.1731 0.8	2588 14	0		
470.1	79	51	0.67	0.20	2.14	2.4	.1675 0.8	2533 13	2		
460.1	98	67	0.70	0.43	2.06	2.4	.1627 1.2	2484 20	-3		
458.1	94	58	0.64	0.16	2.11	2.6	.1621 0.7	2477 11	-1		
485.1	139	138	1.03	0.15	2.08	2.3	.1611 0.7	2467 11	-3		
444.1	99	29	0.30	0.16	2.19	2.2	.1526 1.2	2375 21	-2		
465.1	330	48	0.15	0.03	3.01	2.3	.1242 0.6	2018 11	8		
483.1	163	141	0.89	0.16	2.78	2.3	.1229 0.7	1999 13	1		
471.1	169	140	0.86	0.28	2.67	2.3	.1221 1.0	1987 18	-3		
478.1	235	68	0.30	0.27	2.76	2.3	.1219 0.7	1985 12	0		
455.1	37	38	1.06	0.33	2.91	2.6	.1187 1.7	1936 30	2		
463.1	62	52	0.87	0.31	2.95	2.5	.1174 1.4	1917 25	2		
480.1	119	126	1.09	0.29	3.04	2.3	.1174 1.3	1917 23	4		
475.1	236	83	0.36	0.09	2.92	2.3	.1173 0.6	1915 12	1		
477.1	82	69	0.87	0.41	2.86	2.4	.1157 1.3	1890 24	-2		
461.1	202	105	0.53	0.16	3.16	2.3	.1155 0.7	1887 12	6		
438.1	147	107	0.75	0.09	2.99	2.3	.1152 0.7	1884 13	1		
482.1	153	57	0.39	0.09	2.95	2.3	.1146 0.6	1874 11	0		
437.1	51	32	0.64	0.38	3.14	3.4	.1139 1.8	1863 33	4		
445.1	61	56	0.94	0.26	3.05	2.5	.1136 1.3	1857 23	1		
476.1	204	112	0.57	0.16	2.90	2.3	.1136 0.7	1857 13	-3		
466.1	58	44	0.79	0.37	2.84	2.6	.1134 1.8	1855 32	-5		
489.1	116	60	0.53	0.37	2.93	2.4	.1122 1.1	1835 20	-3		
459.1	101	59	0.60	0.42	3.26	2.5	.1122 1.4	1835 25	6		
441.1	82	37	0.46	0.31	2.92	2.4	.1122 1.3	1835 23	-3		
440.1	130	68	0.54	0.10	3.13	2.3	.1120 0.9	1831 15	2		
434.1	95	59	0.64	0.10	3.01	2.4	.1116 1.0	1826 18	-1		
452.1	90	146	1.68	0.17	3.01	2.3	.1115 1.4	1824 25	-1		
488.1	203	144	0.74	0.11	2.92	2.3	.1114 0.8	1822 14	-4		
451.1	67	61	0.94	0.24	2.85	2.3	.1111 1.4	1818 25	-7		
469.1	176	73	0.43	0.06	3.07	2.3	.1110 0.6	1815 11	0		
449.1	82	51	0.65	0.18	2.90	2.2	.1108 1.5	1813 27	-5		
447.1	105	71	0.70	0.18	2.89	2.2	.1107 1.0	1812 18	-6		
490.1	127	151	1.23	0.18	3.29	2.3	.1107 0.9	1811 17	6		
456.1	151	126	0.86	0.09	2.95	2.1	.1105 0.7	1807 13	-4		
473.1	123	54	0.45	0.28	3.16	2.3	.1104 1.1	1807 19	2		
479.1	89	49	0.57	0.31	2.93	2.4	.1100 1.4	1799 25	-5		
435.1	219	119	0.56	0.10	3.05	2.3	.1098 0.7	1796 12	-2		
481.1	193	105	0.56	0.24	3.01	2.3	.1097 0.9	1794 16	-3		
486.2	111	63	0.59	0.13	3.26	2.0	.1097 0.5	1794 9	4		
462.2	140	75	0.55	0.05	3.15	2.0	.1096 0.4	1793 7	1		
474.1	118	70	0.62	0.49	2.82	2.4	.1094 1.3	1789 23	-9		
464.2	120	54	0.46	0.09	3.17	2.0	.1093 0.4	1789 8	1		
446.1	142	63	0.46	0.25	3.04	2.2	.1093 1.0	1787 18	-3		
487.2	50	45	0.93	0.18	3.00	2.0	.1088 0.7	1779 13	-4		
442.1	83	91	1.14	0.37	2.97	2.4	.1087 1.3	1778 24	-5		
454.2	59	30	0.52	0.06	3.16	2.1	.1086 0.6	1776 10	0		
453.2	102	56	0.57	0.14	3.02	2.0	.1086 0.5	1776 9	-4		
457.2	38	29	0.78	0.15	3.20	2.1	.1085 0.8	1774 14	1		
439.1	99	54	0.56	0.37	2.96	2.4	.1084 1.3	1773 24	-6		
448.2	52	47	0.93	0.25	3.10	2.0	.1076 0.8	1758 14	-2		
450.2	166	107	0.67	0.07	3.21	2.0	.1068 0.3	1745 6	0		
Common Pb content above 0.5%											
467.1	15	63	4.30	9.59	6.81	8.5	.0655 43.7	791 916	-12		
448.1	36	25	0.72	1.37	3.23	2.6	.1061 4.0	1734 73	0		
484.1	47	12	0.25	0.92	2.72	2.5	.1184 2.3	1933 41	-4		
487.1	48	43	0.93	0.89	2.93	2.5	.1084 2.7	1772 49	-7		
457.1	38	29	0.78	0.88	2.94	2.5	.1065 2.6	1741 48	-9		
436.2	19	24	1.34	0.66	2.19	3.1	.1697 2.2	2555 37	5		
468.1	133	67	0.52	0.56	2.81	2.6	.1142 1.8	1868 32	-5		
486.1	105	56	0.55	0.56	3.11	2.4	.1080 1.7	1767 31	-2		
472.1	77	38	0.51	0.54	3.05	2.4	.1110 1.5	1816 26	-1		
454.1	52	27	0.54	0.54	2.89	2.4	.1087 2.0	1778 36	-8		
443.1	51	24	0.49	0.53	2.84	2.6	.1156 1.8	1889 33	-3		
453.1	91	47	0.54	0.53	2.82	2.5	.1079 1.5	1764 28	-11		
467.2	72	33	0.48	0.52	2.17	2.5	.1593 1.1	2448 19	0		
Discordant analyses											
439.2	242	231	0.99	0.24	5.56	2.0	.1074 0.5	1757 9	39		
Repeat-grain analyses											
450.1	162	101	0.64	0.17	3.02	2.2	.1067 0.9	1744 17	-6		
462.1	149	79	0.55	0.45	3.14	2.3	.1075 1.2	1758 22	-1		
464.1	109	42	0.39	0.42	3.04	2.4	.1083 1.3	1772 25	-3		

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $f^{206}\text{Pb}^\#$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Bigie Formation, Crocodile Waterhole (2003169021)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)	
619.1	148	148	1.03	0.01	2.15	1.8	.1831 0.4	2682 7	8
622.1	107	58	0.56	0.02	2.08	1.8	.1821 0.4	2673 7	5
663.1	121	153	1.31	0.01	2.08	1.8	.1718 0.4	2576 7	2
609.1	99	79	0.82	0.00	2.09	1.8	.1714 0.5	2572 8	2
620.1	56	40	0.75	-0.01	2.18	1.9	.1703 0.7	2561 11	5
661.1	145	127	0.90	-0.02	2.01	1.8	.1701 0.4	2559 7	-2
607.1	99	59	0.62	0.05	2.15	2.2	.1686 0.5	2544 8	3
613.1	36	43	1.24	-0.07	2.17	2.0	.1685 1.1	2543 18	4
634.1	55	51	0.97	0.00	2.07	2.2	.1676 0.7	2534 11	0
627.1	125	98	0.81	0.04	2.33	1.8	.1660 0.5	2517 8	9
624.1	118	65	0.57	0.03	2.21	1.8	.1622 0.5	2479 8	3
654.1	49	87	1.83	0.03	2.40	2.2	.1614 0.8	2471 14	9
618.1	144	98	0.70	0.00	2.42	1.8	.1613 0.5	2469 8	10
641.1	139	42	0.32	0.02	2.27	1.8	.1489 0.5	2333 9	-1
628.1	151	65	0.44	0.02	2.49	1.8	.1430 0.6	2264 10	4
670.1	96	66	0.71	-0.02	2.57	1.8	.1322 0.6	2127 10	0
626.1	90	80	0.92	0.03	2.74	1.8	.1321 0.6	2126 11	6
662.1	173	111	0.66	0.04	2.85	1.9	.1206 0.5	1965 10	1
655.1	116	51	0.45	0.03	2.78	1.8	.1186 0.7	1935 13	-2
671.1	120	152	1.31	0.16	3.07	1.9	.1176 0.9	1920 16	5
633.1	95	105	1.14	-0.02	2.95	1.9	.1165 0.7	1904 12	1
630.1	113	115	1.05	0.03	2.96	1.8	.1162 0.6	1899 11	1
608.1	79	36	0.48	-0.01	2.98	1.9	.1154 0.7	1887 12	1
643.1	207	128	0.64	0.03	2.90	1.7	.1152 0.5	1884 9	-1
621.1	24	15	0.66	0.14	3.08	2.2	.1152 1.8	1883 33	4
659.1	71	25	0.37	0.01	3.01	2.1	.1150 0.8	1880 14	2
667.1	126	60	0.49	0.00	2.89	1.8	.1150 0.6	1880 10	-2
649.1	147	102	0.72	0.04	3.13	1.8	.1149 0.6	1878 10	5
652.1	30	44	1.51	0.29	2.86	2.1	.1148 1.7	1876 32	-3
665.1	126	89	0.73	0.00	2.96	1.8	.1147 0.7	1876 12	0
648.1	83	75	0.92	-0.03	3.01	2.3	.1146 0.7	1874 13	1
656.1	125	61	0.51	-0.02	3.04	1.8	.1145 0.6	1873 11	2
637.1	62	33	0.55	0.18	2.94	1.9	.1145 0.9	1872 17	-1
611.1	177	93	0.54	0.01	3.06	1.7	.1145 0.5	1872 9	2
640.1	69	24	0.35	-0.02	3.04	1.9	.1143 0.8	1869 14	2
647.1	142	105	0.76	0.00	3.02	1.8	.1143 0.5	1869 10	1
658.1	166	74	0.46	0.01	3.04	1.8	.1142 0.5	1868 9	2
657.1	170	112	0.68	0.04	3.12	1.8	.1142 0.5	1867 10	4
606.1	165	82	0.52	0.03	2.91	2.0	.1141 0.6	1865 10	-2
632.1	231	173	0.77	0.10	3.16	1.7	.1138 0.5	1861 9	5
645.1	205	145	0.73	0.02	2.99	1.7	.1137 0.5	1860 9	0
614.1	130	60	0.48	0.01	3.19	1.8	.1136 0.6	1858 10	5
602.1	92	77	0.86	0.10	3.08	1.8	.1134 0.7	1855 13	2
601.1	201	143	0.73	0.02	2.99	1.8	.1130 0.4	1849 8	-1
639.1	174	92	0.54	0.01	2.94	1.7	.1129 0.5	1847 9	-2
650.1	157	111	0.73	0.04	3.15	1.8	.1125 0.5	1840 10	3
636.1	122	66	0.56	0.01	3.06	1.8	.1116 0.6	1826 12	0
617.1	147	201	1.42	0.03	3.12	1.8	.1104 0.6	1807 11	1
666.1	60	71	1.21	0.04	3.10	1.9	.1104 0.9	1806 17	0
672.1	121	107	0.92	0.03	3.24	1.8	.1102 0.7	1802 13	4
629.1	122	83	0.70	0.00	3.17	1.8	.1099 0.6	1797 11	2
605.1	94	98	1.07	0.04	3.18	1.8	.1097 0.7	1794 13	2
625.1	161	109	0.70	-0.01	3.20	1.9	.1096 0.6	1794 10	2
664.1	139	62	0.46	0.04	3.09	1.8	.1092 0.6	1786 11	-1
623.1	158	55	0.36	0.10	3.27	1.8	.1092 0.6	1785 11	4
604.1	117	70	0.61	0.05	3.35	1.8	.1090 0.6	1783 12	6
642.1	152	78	0.53	0.01	3.21	1.8	.1088 0.6	1780 11	2
668.1	54	35	0.67	0.03	3.14	1.9	.1088 1.0	1780 18	0
615.1	110	56	0.53	0.01	3.27	2.1	.1088 0.6	1779 11	3
603.1	169	93	0.57	0.02	3.09	1.9	.1088 0.5	1779 9	-1
651.1	59	55	0.96	0.08	3.10	2.3	.1088 1.1	1779 20	-1
646.1	70	74	1.09	0.16	3.29	1.9	.1087 1.0	1778 18	4
653.1	131	55	0.44	0.02	3.10	1.8	.1086 0.6	1776 11	-2
669.1	79	40	0.53	0.09	3.03	1.9	.1086 0.8	1775 15	-4
635.1	169	75	0.46	0.03	3.16	1.8	.1084 0.6	1773 10	0
612.1	89	60	0.69	0.16	3.30	2.9	.1080 0.8	1766 15	3
644.1	149	66	0.46	0.05	3.42	2.1	.1079 0.7	1764 12	6
610.1	113	60	0.55	0.06	3.37	1.8	.1077 0.7	1761 13	5
638.1	64	57	0.92	0.13	3.30	1.9	.1074 1.1	1756 19	3
Discordant analyses									
616.1	98	40	0.42	0.08	3.73	1.9	.1090 0.9	1782 16	14
631.1	80	127	1.65	0.09	3.57	1.9	.1100 0.8	1799 15	12

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Webbera Granite, Lawn Hill Platform (78206102)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
201.1	333	221	0.69	0.03	3.29	1.3	.1061	0.4	1734	7	1
211.1	160	77	0.50	-0.04	3.27	1.3	.1057	0.6	1727	10	0
220.1	136	88	0.66	0.14	3.34	1.2	.1057	0.6	1727	11	2
101.2	168	80	0.49	-0.02	3.32	1.2	.1057	0.5	1727	10	2
106.2	176	86	0.50	-0.01	3.33	1.1	.1056	0.4	1724	8	2
206.1	187	95	0.52	-0.02	3.24	1.3	.1055	0.5	1724	9	-1
207.1	198	103	0.53	-0.02	3.25	1.3	.1054	0.5	1722	8	0
235.1	209	107	0.53	-0.02	3.30	1.1	.1053	0.4	1720	7	1
110.1	238	109	0.47	0.02	3.35	1.1	.1052	0.4	1718	7	2
223.1	176	88	0.52	-0.03	3.29	1.1	.1052	0.4	1717	8	0
218.1	220	112	0.53	-0.01	3.22	1.1	.1052	0.4	1717	8	-2
204.1	194	96	0.51	0.03	3.30	1.3	.1051	0.5	1717	9	1
203.1	153	72	0.49	0.04	3.30	1.3	.1051	0.6	1716	10	0
221.1	246	119	0.50	0.02	3.30	1.1	.1051	0.4	1715	7	1
215.1	289	151	0.54	0.01	3.25	1.1	.1050	0.5	1714	9	-1
228.1	224	142	0.65	0.04	3.30	1.1	.1050	0.4	1714	8	0
222.1	126	90	0.74	0.60	3.42	1.1	.1049	1.0	1713	19	3
225.1	256	201	0.81	-0.01	3.35	1.1	.1049	0.4	1713	7	2
219.1	235	116	0.51	-0.03	3.32	1.1	.1048	0.4	1712	7	1
213.1	149	78	0.54	0.04	3.25	1.1	.1048	0.5	1711	9	-1
216.1	109	77	0.73	0.10	3.24	1.1	.1048	0.7	1710	12	-1
109.1	177	84	0.49	0.08	3.31	1.1	.1048	0.5	1710	9	0
238.1	157	113	0.74	0.00	3.28	1.1	.1048	0.5	1710	9	0
103.1	253	124	0.51	0.02	3.34	1.1	.1048	0.4	1710	7	1
230.1	177	90	0.53	0.01	3.27	1.1	.1047	0.4	1710	8	-1
237.1	86	42	0.50	0.09	3.34	1.2	.1047	0.7	1709	12	1
205.1	158	78	0.51	0.03	3.26	1.3	.1047	0.5	1709	10	-1
232.1	165	83	0.52	0.00	3.30	1.1	.1047	0.4	1709	8	0
208.1	253	125	0.51	0.02	3.28	1.3	.1047	0.4	1708	8	-1
106.1	291	143	0.51	0.02	3.36	1.1	.1046	0.3	1708	6	2
233.1	156	75	0.50	0.02	3.28	1.1	.1046	0.5	1708	9	0
202.1	162	75	0.48	0.05	3.33	1.3	.1046	0.6	1708	11	1
210.1	164	79	0.50	0.03	3.21	1.3	.1046	0.5	1708	10	-2
224.1	189	101	0.55	0.02	3.29	1.1	.1046	0.4	1707	8	0
104.1	503	290	0.59	0.02	3.29	1.0	.1046	0.3	1707	5	0
226.1	222	103	0.48	0.00	3.28	1.2	.1045	0.4	1705	7	-1
102.1	165	114	0.71	0.06	3.28	1.1	.1044	0.5	1703	9	-1
212.1	149	69	0.48	0.03	3.28	1.1	.1044	0.5	1703	9	-1
236.1	398	180	0.47	0.01	3.32	1.0	.1043	0.3	1703	5	0
231.1	248	118	0.49	0.04	3.31	1.1	.1042	0.4	1701	8	0
107.1	158	110	0.72	0.01	3.28	1.1	.1042	0.5	1701	9	-1
217.1	187	104	0.57	-0.01	3.21	1.2	.1042	0.4	1700	8	-3
227.1	188	88	0.48	0.01	3.29	1.1	.1040	0.4	1697	8	-1
101.1	182	142	0.80	0.01	3.29	1.1	.1040	0.4	1697	8	-1
108.1	77	37	0.50	-0.03	3.25	1.2	.1038	0.7	1693	12	-2
229.1	197	98	0.51	0.07	3.29	1.1	.1035	0.5	1688	8	-1
214.1	44	28	0.65	0.02	3.29	1.3	.1034	0.9	1686	17	-1

Older individuals

209.1	263	119	0.47	0.77	3.27	1.3	.1080	1.1	1766	20	3
105.1	156	102	0.67	-0.05	3.30	1.4	.1064	0.5	1738	9	2

Analytical instabilities

234.1	127	57	0.46	0.04	3.43	2.7	.1082	1.9	1769	36	7
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Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $^\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Guns Knob Granite, Central Sybella region (2004169015)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
501.1	155	96	0.64	0.00	3.39	1.3	.1038	0.5	1693	9	1
528.1	97	103	1.09	0.01	3.37	1.2	.1037	0.6	1691	12	1
533.1	109	50	0.47	-0.01	3.38	1.2	.1036	0.6	1690	11	1
517.1	80	40	0.52	0.06	3.30	1.2	.1036	0.8	1690	14	-1
525.1	112	76	0.70	0.18	3.39	1.1	.1036	0.7	1690	13	1
536.1	274	118	0.44	0.03	3.37	1.1	.1033	0.5	1684	8	1
511.1	342	153	0.46	0.02	3.36	1.2	.1033	0.4	1684	7	0
535.1	96	41	0.44	0.08	3.39	1.2	.1032	0.8	1683	14	1
538.1	148	94	0.65	0.02	3.32	1.1	.1032	0.5	1682	9	-1
510.1	180	93	0.54	0.05	3.43	1.3	.1031	0.5	1680	9	2
513.1	339	157	0.48	0.29	3.36	1.1	.1030	0.7	1679	12	0
526.1	318	148	0.48	0.01	3.38	1.1	.1030	0.3	1679	6	1
505.1	153	85	0.58	0.03	3.32	1.3	.1029	0.6	1677	10	-1
514.1	364	169	0.48	0.01	3.38	1.1	.1029	0.3	1677	6	0
519.1	451	235	0.54	0.01	3.47	1.0	.1028	0.3	1676	5	2
502.1	323	151	0.48	0.13	3.62	1.3	.1027	0.5	1674	9	6
507.1	110	97	0.91	0.11	3.34	1.3	.1027	0.7	1673	14	-1
503.1	425	205	0.50	0.01	3.41	1.2	.1026	0.3	1672	6	1
518.1	254	95	0.38	0.00	3.35	1.1	.1026	0.4	1672	7	-1
516.1	266	96	0.37	0.02	3.35	1.1	.1026	0.4	1671	7	-1
520.1	65	29	0.46	0.12	3.42	1.2	.1025	1.0	1670	18	1
524.1	398	182	0.47	0.00	3.36	1.0	.1025	0.3	1669	6	-1
521.1	159	69	0.45	0.06	3.46	1.1	.1024	0.5	1669	10	2
523.1	297	134	0.47	0.02	3.44	1.1	.1024	0.6	1669	11	1
504.1	45	35	0.81	0.17	3.37	1.5	.1024	1.2	1668	22	0
506.1	99	53	0.56	0.05	3.39	1.4	.1023	0.9	1667	17	0
530.1	214	112	0.54	0.02	3.41	1.1	.1023	0.4	1667	8	0
531.1	30	29	0.99	0.07	3.36	1.5	.1023	1.2	1666	22	-1
534.1	44	33	0.78	-0.01	3.33	1.7	.1023	0.9	1666	16	-2
529.1	125	69	0.57	0.00	3.43	1.1	.1021	0.6	1663	11	1
537.1	76	66	0.90	0.11	3.39	1.2	.1018	0.8	1658	15	0
512.1	229	212	0.96	0.00	3.33	1.1	.1018	0.4	1657	7	-2
508.1	106	78	0.76	0.09	3.31	1.3	.1014	0.8	1649	15	-3
509.1	103	72	0.72	0.09	3.34	1.4	.1011	0.7	1644	14	-3
522.1	75	65	0.90	0.20	3.39	1.5	.1002	1.0	1627	18	-2
Older Individuals											
515.1	94	81	0.90	0.02	2.90	1.2	.1160	0.5	1896	10	-1
532.1	124	72	0.60	0.03	2.91	1.1	.1147	0.5	1875	9	-2
Dispersed individual											
527.1	654	55	0.09	0.04	14.44	1.1	.0547	0.7	399	16	-8

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb

$f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in the Widgawarra Granite, Southern Sybella region (2004169018)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
303.1	143	70	0.51	0.01	3.35	1.3	.1040	0.6	1696	10	1
336.1	62	52	0.86	0.02	3.37	1.2	.1036	0.7	1689	14	1
323.1	114	57	0.52	-0.01	3.38	1.1	.1035	0.5	1688	10	1
317.1	300	161	0.55	0.00	3.36	1.1	.1034	0.3	1686	6	0
318.1	221	122	0.57	0.02	3.39	1.1	.1033	0.4	1684	8	1
328.1	217	113	0.54	-0.02	3.41	1.1	.1031	0.4	1680	8	1
313.1	183	100	0.56	0.01	3.33	1.1	.1030	0.4	1680	8	-1
301.1	94	44	0.48	0.00	3.36	1.4	.1030	0.7	1679	12	0
304.1	268	143	0.55	-0.01	3.38	1.3	.1029	0.4	1677	7	0
325.1	49	39	0.83	0.13	3.40	1.3	.1029	1.0	1676	18	1
309.1	292	97	0.34	0.00	3.38	1.2	.1029	0.4	1676	7	0
302.1	173	86	0.52	-0.01	3.37	1.3	.1028	0.5	1676	9	0
324.1	68	37	0.57	0.13	3.35	1.2	.1028	0.8	1675	15	0
327.1	161	65	0.42	0.01	3.37	1.1	.1027	0.5	1674	9	0
331.1	73	54	0.76	0.10	3.41	1.3	.1027	0.8	1673	15	1
330.1	216	112	0.54	0.02	3.42	1.1	.1026	0.4	1673	7	1
311.1	148	81	0.57	0.02	3.36	1.3	.1026	0.5	1672	10	0
312.1	132	58	0.46	0.01	3.41	1.1	.1026	0.5	1672	10	1
335.1	45	24	0.55	0.04	3.37	1.3	.1025	1.1	1671	21	0
305.1	100	62	0.64	0.05	3.40	1.4	.1025	0.7	1671	12	0
332.1	211	100	0.49	-0.02	3.43	1.1	.1025	0.4	1670	8	1
308.1	208	87	0.43	0.04	3.39	1.3	.1024	0.5	1669	9	0
337.1	211	98	0.48	0.01	3.42	1.1	.1024	0.4	1667	8	1
333.1	212	71	0.35	0.02	3.36	1.1	.1023	0.4	1667	8	-1
306.1	155	56	0.38	0.01	3.35	1.3	.1023	0.5	1666	10	-1
316.1	672	167	0.26	0.04	3.49	1.0	.1023	0.2	1666	4	3
307.1	172	110	0.66	0.01	3.37	1.3	.1022	0.5	1665	9	-1
322.1	313	161	0.53	0.01	3.38	1.2	.1022	0.3	1665	6	0
315.1	214	122	0.59	0.04	3.35	1.2	.1022	0.4	1664	8	-1
334.1	281	156	0.58	0.03	3.39	1.1	.1021	0.4	1662	7	0
329.1	256	98	0.39	0.03	3.39	1.1	.1020	0.4	1661	7	0
314.1	173	134	0.80	0.05	3.36	1.1	.1020	0.5	1661	10	-1
326.1	166	80	0.50	0.08	3.34	1.2	.1020	0.5	1660	9	-2
319.1	189	95	0.52	0.04	3.38	1.1	.1019	0.5	1659	9	-1
310.1	176	88	0.52	0.06	3.28	1.3	.1019	0.5	1659	10	-3
321.1	126	46	0.38	0.05	3.40	1.3	.1016	0.6	1653	11	0
320.1	97	46	0.49	0.13	3.49	1.2	.1015	0.7	1652	14	2
338.1	164	82	0.51	0.04	3.36	1.1	.1011	0.5	1645	9	-2

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb
 $\# f^{206}\text{Pb}$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb

SHRIMP U-Pb isotopic data for zircons in an unnamed dyke, Central Sybella region (2004169016)

Grain.area	U (ppm)	Th (ppm)	Th/U	$f^{206}\text{Pb}^\#$ (%)	$^{238}\text{U}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ ($\pm 1\sigma$ %)	$^{207}\text{Pb}/^{206}\text{Pb}$ age (Ma $\pm 1\sigma$)	Discordance (%)			
425.1	114	66	0.60	0.03	3.38	1.2	.1045	0.6	1705	12	2
404.1	181	96	0.55	0.01	3.35	1.3	.1034	0.5	1687	9	0
431.1	176	111	0.65	0.00	3.36	1.1	.1033	0.4	1685	8	0
423.1	171	108	0.65	0.00	3.37	1.1	.1032	0.5	1683	9	0
412.1	110	59	0.55	0.02	3.34	1.1	.1031	0.6	1681	11	0
405.1	162	82	0.52	0.00	3.34	1.3	.1031	0.6	1680	11	0
407.1	159	96	0.62	0.00	3.36	1.3	.1029	0.5	1677	9	0
420.1	169	85	0.52	0.04	3.40	1.1	.1028	0.5	1675	9	1
406.1	205	105	0.53	-0.02	3.34	1.3	.1028	0.5	1675	9	-1
434.1	349	177	0.53	0.06	3.43	1.2	.1028	0.4	1674	7	2
410.1	128	71	0.57	0.05	3.33	1.3	.1027	0.6	1674	12	-1
426.1	141	63	0.46	0.01	3.35	1.1	.1027	0.5	1674	10	-1
415.1	166	103	0.64	0.01	3.32	1.1	.1027	0.4	1674	8	-1
427.1	141	69	0.51	-0.06	3.33	1.1	.1027	0.6	1674	10	-1
436.1	142	74	0.54	0.01	3.30	1.1	.1027	0.5	1673	9	-2
402.1	175	101	0.59	0.00	3.36	1.3	.1025	0.5	1670	9	-1
401.1	167	89	0.55	0.03	3.36	1.3	.1025	0.5	1669	10	-1
419.1	172	89	0.54	0.02	3.37	1.1	.1025	0.5	1669	9	0
422.1	141	67	0.49	0.02	3.40	1.1	.1024	0.5	1669	9	1
403.1	350	174	0.52	0.01	3.37	1.3	.1024	0.4	1669	7	0
413.1	417	197	0.49	0.00	3.36	1.0	.1024	0.3	1668	5	-1
438.1	303	130	0.45	0.03	3.43	1.1	.1024	0.4	1668	7	1
416.1	158	86	0.56	0.05	3.33	1.1	.1023	0.5	1667	10	-2
421.1	173	82	0.49	0.04	3.42	1.1	.1022	0.5	1665	9	1
428.1	238	124	0.54	0.02	3.40	1.1	.1022	0.4	1665	8	0
411.1	164	85	0.54	0.03	3.38	1.3	.1022	0.5	1664	9	-1
433.1	135	59	0.45	0.05	3.39	1.3	.1021	0.5	1663	10	0
432.1	148	78	0.54	-0.01	3.32	1.1	.1021	0.5	1663	9	-2
424.1	241	167	0.71	0.01	3.37	1.1	.1020	0.4	1661	8	-1
435.1	119	62	0.54	0.09	3.44	1.4	.1020	0.6	1661	12	1
418.1	174	90	0.54	0.18	3.43	1.1	.1019	0.6	1660	12	1
429.1	144	75	0.54	0.06	3.41	1.1	.1019	0.6	1659	11	0
408.1	138	59	0.44	0.00	3.33	1.3	.1018	0.5	1658	10	-2
414.1	53	44	0.85	0.05	3.26	1.3	.1018	0.8	1657	15	-4
409.1	51	51	1.03	0.08	3.26	1.5	.1016	1.1	1654	20	-4
417.1	182	114	0.64	0.02	3.33	1.1	.1016	0.5	1654	9	-2
430.1	140	73	0.54	0.04	3.37	1.1	.1015	0.6	1653	11	-1
437.1	100	48	0.50	0.11	3.29	1.2	.1013	0.7	1649	13	-4

Isotope ratios are corrected for common Pb by reference to the measured abundance of ^{204}Pb

$f^{206}\text{Pb}^\#$ denotes the fraction of common ^{206}Pb in the total measured ^{206}Pb