

Appendices

Appendix 1

Sample/ spot	[U] ppm	[Pb] ppm	[Th] ppm	Th/U meas.	f ₂₀₆ %	²⁰⁷ Pb/ ²³⁵ U error	±1σ	²⁰⁶ Pb/ ²³⁸ U error	±1σ	Error corr.	Discordance (%)	²⁰⁷ Pb/ ²⁰⁶ Pb ±1σ(Ma)	²⁰⁶ Pb/ ²³⁸ /U ±1σ (Ma)
DC01138 - Rooiputs Granophyre													
10a	132	33	114	0.869	0.71	1.8634 ± 2.8398	0.18549 ± 2.0720	0.73	9.4	1010 ± 39	1097 ± 21		
10b	145	38	137	0.943	{0.08}	2.0085 ± 2.3101	0.19261 ± 1.9214	0.83	5.1	1085 ± 26	1136 ± 20		
10c	137	34	123	0.895	{0.09}	2.0047 ± 2.2601	0.18717 ± 1.9109	0.85	-3.1	1139 ± 24	1106 ± 19		
10d	139	35	124	0.889	0.16	1.9477 ± 2.2511	0.18731 ± 1.8968	0.84	2.7	1080 ± 24	1107 ± 19		
17b	158	34	59	0.378	3.43	1.9978 ± 3.4824	0.18492 ± 2.0333	0.58	-5.8	1156 ± 55	1094 ± 20		
20a	112	26	77	0.685	{0.17}	1.9027 ± 2.2390	0.18293 ± 1.8952	0.85	0.3	1080 ± 24	1083 ± 19		
20b	113	26	77	0.689	{0.13}	1.9193 ± 2.2377	0.18340 ± 1.9264	0.86	-0.7	1092 ± 23	1086 ± 19		
24a	103	23	67	0.655	{0.07}	1.9086 ± 2.3284	0.17811 ± 1.8956	0.81	-7.9	1140 ± 27	1057 ± 19		
24b	106	24	70	0.664	{0.07}	1.8591 ± 2.2776	0.17821 ± 1.8953	0.83	-2.9	1086 ± 25	1057 ± 19		
61a	349	74	72	0.207	{0.04}	1.9616 ± 2.0452	0.18733 ± 1.8955	0.93	1.3	1094 ± 15	1107 ± 19		
17a*	462	104	27	0.058	0.06	2.2398 ± 1.9748	0.20443 ± 1.8987	0.96	1.4	1184 ± 11	1199 ± 21		
64a*	391	87	23	0.059	{0.03}	2.2176 ± 1.7809	0.20223 ± 1.6486	0.93	0.2	1185 ± 13	1187 ± 18		
62a	1075	175	6	0.005	2.89	1.5560 ± 2.2956	0.15061 ± 1.9055	0.83	-16.3	1067 ± 26	904 ± 16		
17c	403	89	24	0.059	{0.04}	2.2061 ± 1.8035	0.20055 ± 1.6592	0.92	-1.2	1192 ± 14	1178 ± 18		
30a	439	93	5	0.011	{0.00}	2.1121 ± 1.7579	0.19675 ± 1.6487	0.94	1.4	1143 ± 12	1158 ± 17		
65a	113	57	111	0.980	{0.07}	5.5908 ± 1.8318	0.36478 ± 1.6491	0.90	11.9	1818 ± 14	2005 ± 28		
69a	98	43	109	1.108	{0.04}	4.5445 ± 1.9836	0.30918 ± 1.7370	0.88	-0.4	1742 ± 17	1737 ± 26		
72a	392	86	24	0.062	{0.03}	2.1869 ± 1.8291	0.19979 ± 1.6490	0.90	-0.7	1182 ± 16	1174 ± 18		
DC01139 - Blaauwbosch Granite													
19a	933	214	429	0.460	0.18	1.9744 ± 1.9891	0.18887 ± 1.9510	0.98	2.5	1090 ± 8	1115 ± 20		
25a	110	30	132	1.208	{0.13}	1.9749 ± 2.1784	0.18869 ± 1.8951	0.87	2.2	1093 ± 21	1114 ± 19		
6a	469	115	407	0.867	0.92	1.8948 ± 2.0624	0.18254 ± 1.8995	0.92	0.5	1076 ± 16	1081 ± 19		
8a	240	59	191	0.795	0.35	1.9594 ± 2.1375	0.18580 ± 1.8952	0.89	-0.9	1108 ± 20	1099 ± 19		
25b	78	20	90	1.150	{0.15}	1.9403 ± 2.4045	0.18299 ± 1.9958	0.83	-3.4	1119 ± 27	1083 ± 20		
6b	621	135	353	0.568	0.39	1.7928 ± 2.0266	0.17383 ± 1.9401	0.96	-3.1	1063 ± 12	1033 ± 19		
26a	54	14	64	1.180	{0.00}	1.9511 ± 2.3742	0.18233 ± 1.9113	0.81	-5.5	1137 ± 28	1080 ± 19		
26b	340	76	261	0.767	3.21	1.6860 ± 2.7771	0.16678 ± 1.9488	0.70	-3.0	1023 ± 40	994 ± 18		
47a	4124	263	2778	0.674	3.44	0.3789 ± 3.6886	0.04844 ± 1.8978	0.51	-37.5	482 ± 68	305 ± 6		
47a2	3879	268	2670	0.688	7.77	0.4148 ± 5.5568	0.05115 ± 1.9197	0.35	-43.7	560 ± 110	322 ± 6		
50a	441	101	414	0.938	0.38	1.7446 ± 2.0415	0.16830 ± 1.9107	0.94	-7.1	1073 ± 14	1003 ± 18		
53a	171	37	82	0.477	0.63	1.8521 ± 2.2849	0.17626 ± 1.8971	0.83	-5.3	1101 ± 25	1047 ± 18		
53b	364	82	266	0.730	0.08	1.8255 ± 2.0143	0.17435 ± 1.8958	0.94	-5.7	1093 ± 14	1036 ± 18		
63a	544	130	621	1.143	1.56	1.7620 ± 2.1983	0.16594 ± 1.8966	0.86	-12.7	1121 ± 22	990 ± 17		
DC0263 - Leeuwdraai Rhyolite, Koras Group													
18a	47	13	66	1.392	0.98	1.9097 ± 3.7424	0.18427 ± 2.2666	0.61	1.8	1073 ± 59	1090 ± 23		
20b	80	21	79	0.983	{0.15}	1.9851 ± 3.9651	0.18828 ± 2.2532	0.57	0.5	1107 ± 64	1112 ± 23		
21a	122	30	98	0.803	{0.16}	1.9638 ± 2.6587	0.18434 ± 2.2532	0.85	-3.6	1128 ± 28	1091 ± 23		
21b	50	13	46	0.931	{0.13}	1.9747 ± 3.3270	0.18454 ± 2.2677	0.68	-4.3	1137 ± 48	1092 ± 23		
25b	53	13	51	0.951	{0.11}	1.9693 ± 2.8585	0.18584 ± 2.2663	0.79	-1.8	1117 ± 34	1099 ± 23		
27a	130	30	107	0.819	{0.10}	1.8713 ± 2.6013	0.17942 ± 2.2495	0.86	-2.2	1086 ± 26	1064 ± 22		
2a	133	33	113	0.846	{0.09}	1.9471 ± 2.5831	0.18651 ± 2.2610	0.88	1.5	1088 ± 25	1102 ± 23		
37a	126	33	145	1.148	0.18	1.9313 ± 2.5830	0.18585 ± 2.2566	0.87	2.1	1078 ± 25	1099 ± 23		
39a	94	24	92	0.986	{0.11}	1.9632 ± 2.6225	0.18521 ± 2.2479	0.86	-2.2	1118 ± 27	1095 ± 23		
3a	187	46	168	0.900	{0.05}	1.9460 ± 2.4565	0.18539 ± 2.2587	0.92	-0.2	1098 ± 19	1096 ± 23		
44a	69	19	102	1.482	0.30	1.8412 ± 3.2562	0.17887 ± 2.3183	0.71	0.2	1059 ± 45	1061 ± 23		
4a	138	35	157	1.139	0.39	1.8744 ± 2.6516	0.18143 ± 2.2442	0.85	0.8	1067 ± 28	1075 ± 22		
7a	216	55	222	1.029	{0.06}	1.9567 ± 2.4826	0.18637 ± 2.2801	0.92	0.3	1099 ± 20	1102 ± 23		
9a	138	34	137	0.991	{0.13}	1.9224 ± 2.5415	0.18308 ± 2.2583	0.89	-1.5	1099 ± 23	1084 ± 23		
11a	201	47	159	0.793	0.18	1.8741 ± 2.5455	0.17804 ± 2.3090	0.91	-4.7	1104 ± 21	1056 ± 23		
11b	45	11	44	0.970	{0.32}	1.9322 ± 3.0643	0.17685 ± 2.2923	0.75	-11.8	1178 ± 40	1050 ± 22		
20a	168	38	150	0.895	{0.10}	1.7820 ± 2.7874	0.16876 ± 2.4810	0.89	-10.2	1110 ± 25	1005 ± 23		
25a	119	29	131	1.104	3.10	1.4685 ± 4.4927	0.18913 ± 2.2483	0.50	153.0	465 ± 84	1117 ± 23		
29a	156	36	151	0.967	0.32	1.7824 ± 2.7931	0.17590 ± 2.3843	0.85	1.8	1028 ± 29	1045 ± 23		
38a	75	19	92	1.218	0.54	1.8255 ± 3.0642	0.18127 ± 2.2956	0.75	6.3	1015 ± 41	1074 ± 23		
DC0380 - Swartkopsleegte Rhyolite, Koras Group													
7a	524	119	47	0.090	0.40	2.2578 ± 2.4076	0.20545 ± 2.2491	0.93	1.4	1190 ± 17	1205 ± 25		
8a	458	103	34	0.075	{0.01}	2.2218 ± 2.3256	0.20297 ± 2.2467	0.97	0.9	1182 ± 12	1191 ± 24		
9a	267	61	31	0.116	{0.03}	2.2493 ± 2.5620	0.20559 ± 2.2494	0.88	2.3	1181 ± 24	1205 ± 25		
9b	285	66	39	0.135	{0.00}	2.2557 ± 2.7565	0.20599 ± 2.3248	0.84	2.3	1183 ± 29	1207 ± 26		
9c	208	47	44	0.213	{0.06}	2.1797 ± 2.4854	0.19941 ± 2.3071	0.93	-0.6	1179 ± 18	1172 ± 25		
10a	392	94	141	0.359	{0.05}	2.2049 ± 2.3342	0.20237 ± 2.2448	0.96	1.4	1173 ± 13	1188 ± 24		
14a	690	167	257	0.372	0.21	2.2233 ± 1.5917	0.20314 ± 1.5070	0.95	1.0	1182 ± 10	1192 ± 16		
25b	67	16	38	0.571	0.75	2.0780 ± 2.4082	0.19190 ± 1.5063	0.63	-2.7	1160 ± 37	1132 ± 16		
27b	966	224	437	0.452	1.47	2.0442 ± 1.6678	0.18998 ± 1.5090	0.90	-2.5	1148 ± 14	1121 ± 16		
4a	508	127	193	0.380	0.06	2.2690 ± 2.3266	0.21013 ± 2.2481	0.97	7.1	1155 ± 12	1230 ± 25		
11a	295	63	90	0.307	0.67	1.9820 ± 2.5222	0.18523 ± 2.2436	0.89	-4.0	1137 ± 23	1095 ± 23		
13a	800	208	395	0.494	0.05	2.3038 ± 2.3769	0.21017 ± 2.2457	0.94	4.2	1185 ± 15	1230 ± 25		
20a	896	222	298	0.332	0.05	2.2839 ± 2.3544	0.20977 ± 2.2579	0.96	5.3	1171 ± 13	1228 ± 25		
24a	3196	239	1195	0.374	8.52	0.5098 ± 2.9022	0.06253 ± 2.2766	0.78	-32.6	572 ± 39	391 ± 9		
13a	622	175	191	0.307	0.05	2.4896 ± 2.3916	0.22713 ± 2.2612	0.95	12.6	1185 ± 15	1319 ± 27		
24a	1652	422	701	0.424	0.08	2.3103 ± 2.3039	0.21154 ± 2.2632	0.98	5.6	1177 ± 9	1237 ± 26		
24a	278	65	110	0.394	{0.06}	2.1592 ± 2.5975	0.19492 ± 2.4901	0.96	-5.2	1205 ± 14	1148 ± 26		

Sample/ spot	[U] ppm	[Pb] ppm	[Th] ppm	Th/U meas.	f_{206}^{207} %	$^{207}\text{Pb}/^{235}\text{U}$ error	$\pm 1\sigma$	$^{206}\text{Pb}/^{238}\text{U}$ error	$\pm 1\sigma$	Error corr.	Discordanc e (%)	$^{207}\text{Pb}/^{206}\text{Pb}$ $\pm 1\sigma(\text{Ma})$	$^{206}\text{Pb}/^{238}\text{U}$ $\pm 1\sigma (\text{Ma})$
DC0415 - Quartzite, Leerkrans Formation, Wilgenhoutsdrif Group													
3a	238	112	138	0.578	1.31	6.4683 ± 2.4412	0.37790 ± 2.3299	0.95	2.9	2017 ± 13	2066 ± 41		
13a	165	116	88	0.532	0.09	13.9303 ± 1.1605	0.52597 ± 1.1202	0.97	-1.6	2760 ± 5	2724 ± 25		
15a	220	121	232	1.058	{0.04}	6.9786 ± 1.1562	0.38680 ± 1.1033	0.95	-0.1	2109 ± 6	2108 ± 20		
18a	194	96	114	0.586	0.07	6.8605 ± 1.1684	0.38252 ± 1.1001	0.94	-0.6	2099 ± 7	2088 ± 20		
17a	120	80	49	0.408	{0.04}	13.0256 ± 1.1632	0.51202 ± 1.1070	0.95	-1.3	2694 ± 6	2665 ± 24		
26a	160	82	137	0.854	0.08	6.5050 ± 1.2288	0.37145 ± 1.1552	0.94	-1.2	2057 ± 7	2036 ± 20		
26b	170	84	137	0.807	0.23	6.3926 ± 1.2106	0.36635 ± 1.1238	0.93	-2.2	2051 ± 8	2012 ± 19		
28a	53	26	29	0.549	{0.15}	7.0073 ± 1.5105	0.38833 ± 1.2136	0.80	0.3	2110 ± 16	2115 ± 22		
32a	134	91	66	0.497	0.08	13.4038 ± 1.2363	0.51611 ± 1.1853	0.96	-2.0	2728 ± 6	2683 ± 26		
1a	141	60	67	0.474	0.43	6.1140 ± 2.5333	0.35066 ± 2.4442	0.96	-6.3	2049 ± 12	1938 ± 41		
5a	694	90	402	0.580	3.99	3.4911 ± 1.2456	0.10134 ± 1.1347	0.91	-84.1	3184 ± 8	622 ± 7		
6a	405	155	227	0.560	0.35	5.1259 ± 1.3717	0.30034 ± 1.3352	0.97	-18.0	2011 ± 6	1693 ± 20		
10a	311	139	244	0.785	1.64	5.0297 ± 1.6631	0.33647 ± 1.2275	0.74	6.3	1773 ± 20	1870 ± 20		
15b	139	64	116	0.839	3.74	6.1752 ± 2.0018	0.34117 ± 1.1004	0.55	-12.1	2115 ± 29	1892 ± 18		
32b	256	160	88	0.346	0.26	12.6146 ± 1.1983	0.48937 ± 1.1692	0.98	-6.6	2716 ± 4	2568 ± 25		
44a	100	20	97	0.977	2.76	2.4865 ± 1.7355	0.14531 ± 1.2865	0.74	-60.4	2016 ± 21	875 ± 11		
DC0416 - Conglomerate, Leerkrans Formation, Wilgenhoutsdrif Group													
4a	301	146	211	0.701	0.24	6.3663 ± 2.2477	0.36976 ± 2.1835	0.97	0.1	2027 ± 9	2028 ± 38		
9a	169	73	135	0.803	0.34	5.0708 ± 2.3427	0.32981 ± 2.1833	0.93	0.8	1824 ± 15	1837 ± 35		
13a	302	214	104	0.346	0.27	15.5326 ± 2.2156	0.55021 ± 2.1850	0.99	-1.7	2864 ± 6	2826 ± 50		
20a	173	93	126	0.725	0.30	7.6810 ± 2.3032	0.40687 ± 2.2027	0.96	0.6	2189 ± 12	2201 ± 41		
28a	109	68	311	2.847	0.61	5.0630 ± 2.4920	0.33294 ± 2.1988	0.88	3.1	1804 ± 21	1853 ± 36		
29a	266	125	110	0.414	0.32	6.8816 ± 2.2548	0.38294 ± 2.1850	0.97	-0.7	2102 ± 10	2090 ± 39		
30a	146	70	184	1.259	0.18	5.1196 ± 2.3368	0.32873 ± 2.1832	0.93	-0.9	1847 ± 15	1832 ± 35		
31a	291	124	141	0.483	0.12	5.5571 ± 2.2525	0.34128 ± 2.1826	0.97	-2.1	1928 ± 10	1893 ± 36		
32a	132	70	134	1.015	0.57	6.7814 ± 2.4117	0.38741 ± 2.1815	0.90	3.1	2056 ± 18	2111 ± 39		
33a	364	201	360	0.988	0.21	7.2063 ± 2.2422	0.39958 ± 2.1821	0.97	3.3	2109 ± 9	2167 ± 40		
51a	368	241	201	0.546	0.10	12.0762 ± 2.2083	0.49951 ± 2.1815	0.99	0.1	2609 ± 6	2612 ± 47		
64a	154	65	94	0.610	0.52	5.2620 ± 2.3979	0.33350 ± 2.1816	0.91	-1.0	1871 ± 18	1855 ± 35		
65b	261	76	122	0.467	0.50	2.9064 ± 2.3840	0.24285 ± 2.1829	0.92	3.7	1356 ± 18	1401 ± 28		
65a	417	119	132	0.316	0.20	2.8947 ± 2.2784	0.24422 ± 2.1824	0.96	5.9	1337 ± 13	1409 ± 28		
DC0420 - Rhyolite at Ezelfontein, Koras Group													
96a	55	14	57	1.037	{0.10}	1.9394 ± 1.7082	0.18319 ± 1.1633	0.68	-3.0	1116 ± 25	1084 ± 12		
97a	55	17	105	1.898	{0.21}	1.9830 ± 1.7250	0.19078 ± 1.1509	0.67	4.7	1079 ± 26	1126 ± 12		
102b	53	14	55	1.046	{0.15}	1.9654 ± 1.7523	0.18838 ± 1.1452	0.65	2.6	1086 ± 26	1113 ± 12		
102c	71	19	81	1.137	{0.09}	2.0252 ± 1.5762	0.18960 ± 1.1450	0.73	-1.4	1133 ± 21	1119 ± 12		
104b	81	19	59	0.735	0.79	1.9678 ± 1.9040	0.18600 ± 1.1745	0.62	-1.4	1114 ± 30	1100 ± 12		
9a	81	23	121	1.497	{0.10}	1.9341 ± 2.1136	0.18664 ± 1.8318	0.87	3.1	1073 ± 21	1103 ± 19		
11a	96	27	138	1.440	{0.07}	1.9844 ± 2.0394	0.18739 ± 1.8248	0.89	-0.9	1116 ± 18	1107 ± 19		
45a	64	17	71	1.111	0.31	1.9221 ± 2.2224	0.18629 ± 1.8328	0.82	3.8	1064 ± 25	1101 ± 19		
58a	49	13	50	1.019	{0.20}	1.9290 ± 2.3995	0.18924 ± 1.8335	0.76	8.1	1040 ± 31	1117 ± 19		
94a	130	39	80	0.617	0.04	2.7849 ± 1.3255	0.23452 ± 1.1488	0.87	1.4	1341 ± 13	1358 ± 14		
96b	94	23	114	1.215	{0.19}	1.8057 ± 1.8680	0.17341 ± 1.1606	0.62	-5.2	1082 ± 29	1031 ± 11		
99b	48	11	44	0.934	{0.26}	1.8110 ± 2.0195	0.17154 ± 1.1449	0.57	-8.7	1110 ± 33	1021 ± 11		
24a	480	317	660	0.03		7.1009 ± 1.1767	0.39195 ± 1.1533	0.98	0.8	2117 ± 4	2132 ± 21		
23a	260	62	92	0.352	{0.04}	2.2164 ± 1.3009	0.20016 ± 1.1778	0.91	-2.6	1205 ± 11	1176 ± 13		
33a	119	35	171	1.433	0.34	2.0229 ± 1.6637	0.19790 ± 1.1449	0.69	12.4	1045 ± 24	1164 ± 12		
49a	50	14	59	1.165	0.63	2.0143 ± 2.0888	0.19557 ± 1.1562	0.55	9.4	1060 ± 35	1151 ± 12		
50a	1237	495	77	0.062	0.09	5.7726 ± 1.1661	0.35239 ± 1.1555	0.99	0.5	1938 ± 3	1946 ± 19		
50b	395	175	152	0.386	{0.01}	6.0576 ± 1.2169	0.35774 ± 1.1449	0.94	-1.5	1997 ± 7	1971 ± 19		
66a	316	77	129	0.410	{0.02}	2.2230 ± 1.2693	0.20303 ± 1.1665	0.92	0.9	1182 ± 10	1192 ± 13		
66b	86	17	66	0.762	3.92	1.5868 ± 3.7238	0.15101 ± 1.1479	0.31	-18.9	1101 ± 69	907 ± 10		
6a	69	18	87	1.267	1.62	1.6732 ± 3.3383	0.18174 ± 1.8666	0.56	32.2	831 ± 57	1076 ± 19		
99a	276	123	435	1.575	2.05	4.3393 ± 2.1082	0.28385 ± 1.5459	0.73	-12.6	1814 ± 26	1611 ± 22		
102a	78	20	107	1.370	{0.20}	1.8370 ± 1.7232	0.17384 ± 1.1666	0.68	-7.7	1112 ± 25	1033 ± 11		
36a	48	12	43	0.896	0.79	1.9073 ± 2.7362	0.18885 ± 1.9317	0.71	10.1	1021 ± 39	1115 ± 20		
102d	85	24	111	1.307	{0.12}	2.0005 ± 2.1273	0.19428 ± 1.8349	0.86	8.7	1060 ± 22	1144 ± 19		
104a	433	95	19	0.045	{0.02}	2.2118 ± 1.2628	0.20198 ± 1.1500	0.91	0.3	1183 ± 10	1186 ± 12		
DC0428 - Swanartz Gte gneiss													
41a	109	34	84	0.773	{0.05}	2.9038 ± 1.7316	0.23945 ± 1.4098	0.81	0.2	1381 ± 19	1384 ± 18		
32a	180	55	115	0.641	{0.03}	2.8609 ± 1.5864	0.23976 ± 1.3809	0.87	2.9	1350 ± 15	1385 ± 17		
6a	257	76	159	0.619	0.67	2.7909 ± 1.7234	0.23291 ± 1.3882	0.81	-0.7	1358 ± 20	1350 ± 17		
85a	113	37	109	0.963	{0.06}	2.9193 ± 1.7360	0.24149 ± 1.4083	0.81	1.5	1375 ± 19	1394 ± 18		
76a	183	56	130	0.712	{0.02}	2.8684 ± 1.6274	0.23605 ± 1.3864	0.85	-1.5	1385 ± 16	1366 ± 17		
101a	57	17	44	0.764	{0.15}	2.7822 ± 2.0783	0.23152 ± 1.4379	0.69	-1.7	1364 ± 29	1342 ± 17		
118a	133	43	116	0.873	{0.07}	2.8612 ± 1.8943	0.23954 ± 1.3819	0.73	2.6	1352 ± 25	1384 ± 17		
85b	146	43	67	0.456	{0.05}	2.9073 ± 1.7740	0.23859 ± 1.3953	0.79	-0.9	1391 ± 21	1379 ± 17		
101b	315	101	220	0.700	0.05	2.9685 ± 1.4996	0.24795 ± 1.3726	0.92	5.8	1357 ± 12	1428 ± 18		
100a	888	217	626	0.704	0.30	2.1901 ± 1.7972	0.18941 ± 1.7278	0.96	-14.4	1289 ± 10	1118 ± 18		
118b	156	46	66	0.426	0.44	2.8148 ± 1.8069	0.24553 ± 1.3840	0.77	12.5	1273 ± 22	1415 ± 18		
106a	282	85	130	0.460	{0.04}	2.9693 ± 1.7062	0.24613 ± 1.3773	0.81	3.8	1371 ± 19	1418 ± 18		
73a	66	15	8	0.116	0.57	2.							

Sample/ spot	[U] ppm	[Pb] ppm	[Th] ppm	Th/U meas.	$f_{206} \%$	$^{207}\text{Pb}/^{235}\text{U}$ $\pm 1\sigma$	$^{206}\text{Pb}/^{238}\text{U}$ $\pm 1\sigma$	Error error	Discordanc e (%)	$^{207}\text{Pb}/^{206}\text{Pb}$ $\pm 1\sigma(\text{Ma})$	$^{206}\text{Pb}/^{238}\text{U}$ $\pm 1\sigma (\text{Ma})$
DC0439 - Migmatite, Jannelsepan Formation, Areachap Group											
4a	1072	303	797	0.744	2.00	2.4543 \pm 2.3651	0.21729 \pm 2.2280	0.94	2.1	1244 \pm 15	1268 \pm 26
40a	691	202	547	0.791	5.18	2.4434 \pm 9.0795	0.21860 \pm 2.3505	0.26	4.6	1223 \pm 163	1274 \pm 27
40b	758	218	649	0.856	4.18	2.3889 \pm 2.5414	0.20904 \pm 2.2272	0.88	-3.7	1266 \pm 24	1224 \pm 25
76a	1139	320	1003	0.881	1.90	2.3549 \pm 2.3330	0.20798 \pm 2.2271	0.95	-2.7	1248 \pm 14	1218 \pm 25
56a	1634	458	1466	0.897	0.78	2.4192 \pm 2.2784	0.21605 \pm 2.2261	0.98	3.1	1227 \pm 10	1261 \pm 26
4b*	1553	321	146	0.094	0.32	2.0348 \pm 2.2702	0.18783 \pm 2.2260	0.98	-4.8	1161 \pm 9	1110 \pm 23
12a*	1791	398	120	0.067	0.29	2.1947 \pm 2.2641	0.20319 \pm 2.2261	0.98	3.5	1156 \pm 8	1192 \pm 24
71a*	1706	374	19	0.011	0.12	2.2054 \pm 2.2543	0.20299 \pm 2.2260	0.99	2.3	1167 \pm 7	1191 \pm 24
75a*	1856	389	23	0.012	0.56	2.0838 \pm 2.2960	0.19103 \pm 2.2265	0.97	-4.5	1175 \pm 11	1127 \pm 23
115a*	1587	349	24	0.015	0.03	2.2062 \pm 1.3357	0.20326 \pm 1.3004	0.97	2.6	1165 \pm 6	1193 \pm 14
139a	1832	366	247	0.135	0.13	1.9409 \pm 1.3388	0.17841 \pm 1.2988	0.97	-10.3	1170 \pm 6	1058 \pm 13
2a	1904	309	35	0.018	0.25	1.5708 \pm 2.3070	0.15049 \pm 2.2315	0.97	-18.1	1087 \pm 12	904 \pm 19
2b	2902	242	86	0.030	4.74	0.6651 \pm 2.6702	0.07273 \pm 2.2260	0.83	-46.2	817 \pm 31	453 \pm 10
11a	1187	268	523	0.440	4.26	2.0737 \pm 2.5156	0.18490 \pm 2.2261	0.88	-12.0	1230 \pm 23	1094 \pm 22
39a	1962	317	33	0.017	0.20	1.5872 \pm 2.2664	0.14950 \pm 2.2260	0.98	-21.3	1121 \pm 8	898 \pm 19
106a	1930	293	28	0.015	0.05	1.4942 \pm 1.3435	0.14061 \pm 1.3001	0.97	-26.1	1123 \pm 7	848 \pm 10
105a	1755	357	18	0.010	0.16	2.0512 \pm 1.3439	0.18785 \pm 1.3016	0.97	-6.2	1177 \pm 7	1110 \pm 13
110a	2795	211	55	0.020	0.27	0.6587 \pm 1.3938	0.07004 \pm 1.3095	0.94	-51.8	875 \pm 10	436 \pm 6
53a	1502	263	32	0.021	0.87	1.6621 \pm 2.3143	0.16255 \pm 2.2261	0.96	-7.7	1046 \pm 13	971 \pm 20
53b	2986	228	54	0.018	0.20	0.6779 \pm 2.2866	0.07126 \pm 2.2267	0.97	-52.4	899 \pm 11	444 \pm 10
74b	1793	339	29	0.016	0.16	1.8825 \pm 2.2853	0.17533 \pm 2.2279	0.97	-9.7	1144 \pm 10	1041 \pm 21
75b	2522	619	2604	1.032	0.72	2.0624 \pm 2.2598	0.18651 \pm 2.2263	0.99	-9.0	1202 \pm 8	1102 \pm 23
84a	1572	353	29	0.019	0.17	2.2433 \pm 2.2601	0.20783 \pm 2.2260	0.98	6.0	1154 \pm 8	1217 \pm 25
AP15-825 - Biotite Gneiss, Jannelsepan Formation, Areachap Group											
2c	290	67	45	0.154	0.08	2.26659 \pm 1.6072	0.2060 \pm 1.3345	0.83	1.4	1192 \pm 18	1208 \pm 15
1b	200	44	32	0.160	0.08	2.16089 \pm 1.7632	0.1963 \pm 1.3341	0.76	-3.4	1193 \pm 23	1155 \pm 14
1c	183	44	51	0.276	0.08	2.29214 \pm 2.0407	0.2076 \pm 1.3349	0.65	1.5	1199 \pm 30	1216 \pm 15
1a*	434	92	3	0.007	{0.03}	2.12399 \pm 1.4905	0.1952 \pm 1.3321	0.89	-1.9	1170 \pm 13	1150 \pm 14
2a*	337	73	2	0.007	0.06	2.14116 \pm 1.5220	0.2000 \pm 1.3325	0.88	3.5	1138 \pm 15	1175 \pm 14
2b*	312	67	4	0.012	0.08	2.12787 \pm 1.6041	0.1993 \pm 1.3325	0.83	3.8	1132 \pm 18	1172 \pm 14
S03-10 - Rhyolite, Leeuwdraai Formation, Koras Group											
10.1	111	101	9.3	0.15	1.9578 \pm 3.7529	0.1787 \pm 2.1308	0.57	-10.4	1060 \pm 21	1184 \pm 61	
10.2	63	60	0.97	0.63	1.9549 \pm 3.9330	0.1877 \pm 2.2090	0.56	2.4	1109 \pm 23	1083 \pm 65	
10.3	63	51	0.83	0.81	1.8698 \pm 3.9625	0.1759 \pm 2.2011	0.56	-7.1	1044 \pm 21	1124 \pm 66	
10.4	25	29	1.23	2.35	1.8274 \pm 8.3010	0.1859 \pm 2.6252	0.32	13.7	1099 \pm 27	966 \pm 161	
10.5	302	370	1.27	0.17	2.0044 \pm 2.3670	0.1869 \pm 2.0118	0.85	-3.2	1104 \pm 20	1141 \pm 25	
10.6	26	40	1.60	2.93	1.8118 \pm 13.9696	0.1874 \pm 2.7310	0.20	18.8	1107 \pm 28	932 \pm 281	
10.7	29	27	0.96	2.24	1.8361 \pm 12.0168	0.1846 \pm 2.6426	0.22	10.4	1092 \pm 27	990 \pm 238	
10.8	162	140	0.89	0.42	1.9565 \pm 2.7856	0.1863 \pm 2.0650	0.74	0.2	1101 \pm 21	1099 \pm 37	
10.9	83	73	0.90	0.45	1.9428 \pm 3.1082	0.1858 \pm 2.1440	0.69	0.7	1099 \pm 22	1091 \pm 45	
10.11	51	46	0.93	1.01	1.9852 \pm 5.3844	0.1831 \pm 2.3208	0.43	-6.8	1084 \pm 23	1163 \pm 96	
10.12	93	87	0.96	0.53	2.0575 \pm 3.7566	0.1872 \pm 2.1511	0.57	-7	1106 \pm 22	1190 \pm 61	
10.13	60	50	0.86	0.94	1.9384 \pm 4.3568	0.1848 \pm 2.2453	0.52	-0.3	1093 \pm 23	1097 \pm 75	
10.14	65	61	0.97	0.70	2.0046 \pm 4.3281	0.1886 \pm 2.2151	0.51	-0.9	1114 \pm 23	1124 \pm 74	
10.15	18	16	0.95	1.95	1.8919 \pm 11.9583	0.1883 \pm 2.9271	0.24	10.1	1112 \pm 30	1010 \pm 235	
10.16	110	111	1.05	0.84	1.8328 \pm 3.7869	0.1843 \pm 2.1199	0.56	10.2	1090 \pm 21	989 \pm 64	
10.17	78	118	1.58	3.33	1.3908 \pm 8.3375	0.1831 \pm 2.2259	0.27	160.7	1084 \pm 22	416 \pm 180	
10.18	69	94	1.42	0.75	1.9896 \pm 4.5524	0.1870 \pm 2.2082	0.49	-1.8	1105 \pm 22	1125 \pm 79	
10.19	13	17	1.31	4.62	1.8046 \pm 19.5018	0.1863 \pm 3.3567	0.17	17.7	1101 \pm 34	935 \pm 394	
10.2	93	86	0.96	0.50	2.0031 \pm 3.5426	0.1870 \pm 2.1488	0.61	-3	1105 \pm 22	1139 \pm 56	

Unmarked data has been used for a group, magmatic or detrital population

Data indicated by* has been used for a group, metamorphic rim/overgrowth population.

Crossed out spots/data has not been used in isoplot concordia calculations

For detrital samples (DC0411, DC0415, DC0416) crossed out spots are either non-concordant and

or they are duplicate spots from the same grain, and not represented in concordia or probability density plots, .

For sample DC01138 and DC0420 likely xenocrystic zircons are highlighted in their Pb-Pb age with bold text.

{ } indicates values close to detection limit

Discordance in % was calculated from the ratio between the $^{206}\text{Pb}/^{238}\text{U}$ age over the $^{207}\text{Pb}/^{206}\text{Pb}$ age, not including errors, where discordant data is given as negative values and reversed discordant spots as positive.

Appendix 2

Sample/ spot	[U] ppm	[Th] ppm	Th/U meas.	f_{206} %	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$ error	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$ error	Error corr.	Discordance (%)	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma(\text{Ma})$	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma(\text{Ma})$
DC0381 - Strausburg Granite														
114a	80	90	0.101	0.03	2.0373 \pm 1.3831	0.1935 \pm 1.2596	0.91	3.6	1104 \pm 11	1131 \pm 13				
11a	529	556	0.130	0.29	1.8359 \pm 0.9251	0.1750 \pm 0.7347	0.79	-5.7	1097 \pm 11	1044 \pm 19				
140a	700	725	0.431	0.08	2.0842 \pm 1.4196	0.1981 \pm 1.2570	0.89	6.1	1103 \pm 13	1054 \pm 19				
4b	117	118	0.764	* 0.21	1.7434 \pm 1.6800	0.1693 \pm 0.7407	0.44	-5.2	1060 \pm 30	1022 \pm 7				
104a	130	130	0.782	* 0.04	2.0040 \pm 1.3916	0.1910 \pm 1.2627	0.91	2.8	1098 \pm 12	1047 \pm 7				
103a	83	83	0.841	* 0.05	1.9635 \pm 1.6484	0.1861 \pm 1.2795	0.78	-0.8	1108 \pm 21	1026 \pm 7				
2a	167	162	0.852	0.38	1.7192 \pm 1.6659	0.1694 \pm 0.7384	0.44	-2.4	1031 \pm 30	1097 \pm 20				
5a	136	125	0.858	0.15	1.7575 \pm 1.2659	0.1714 \pm 0.7408	0.59	-3.2	1051 \pm 21	1031 \pm 19				
4e	110	98	0.881	1.43	1.9011 \pm 3.1721	0.1872 \pm 1.9674	0.62	7.8	1032 \pm 49	1124 \pm 14				
105a	98	86	0.892	* 0.07	1.9557 \pm 1.9928	0.1905 \pm 1.3471	0.68	7.2	1054 \pm 29	1106 \pm 20				
9b	165	141	0.919	3.37	1.7095 \pm 4.1271	0.1734 \pm 1.9585	0.47	6.6	972 \pm 72	1020 \pm 7				
5a2	138	118	0.970	0.42	1.9274 \pm 2.6671	0.1854 \pm 1.9628	0.74	1.8	1079 \pm 36	1009 \pm 7				
5b	150	126	0.999	0.29	1.7938 \pm 2.0239	0.1726 \pm 0.7832	0.39	-5.3	1079 \pm 37	1100 \pm 13				
4a	466	365	1.000	* 0.14	1.8291 \pm 1.3312	0.1764 \pm 0.7363	0.55	-2.8	1074 \pm 22	1127 \pm 13				
13a	85	65	1.007	0.37	1.7604 \pm 2.0048	0.1718 \pm 0.7379	0.37	-2.9	1050 \pm 37	1008 \pm 7				
9c	540	233	1.035	0.45	1.8633 \pm 2.0710	0.1777 \pm 1.9585	0.95	-4.2	1097 \pm 13	1165 \pm 13				
9a	816	106	1.050	0.31	1.8196 \pm 2.1713	0.1757 \pm 1.9589	0.90	-2.8	1071 \pm 19	1040 \pm 7				
113a	788	80	1.124	* 0.13	2.0416 \pm 2.0104	0.1918 \pm 1.2876	0.64	0.5	1126 \pm 30	1141 \pm 13				
DC0384 - Josling Granite														
20a1	223	116	0.519	* 0.05	2.4988 \pm 1.2619	0.2186 \pm 1.0027	0.79	0.6	1267 \pm 15	1274 \pm 12				
47a	356	198	0.555	0.11	2.3964 \pm 1.1908	0.2070 \pm 1.0082	0.85	-6.6	1291 \pm 12	1213 \pm 11				
50a	357	205	0.573	0.19	2.4968 \pm 1.2355	0.2193 \pm 0.9994	0.81	1.7	1259 \pm 14	1278 \pm 12				
33b	355	191	0.539	* 0.04	2.6084 \pm 1.1434	0.2270 \pm 1.0005	0.87	3.6	1277 \pm 11	1319 \pm 12				
33a	309	154	0.498	0.11	2.0915 \pm 1.2258	0.1854 \pm 1.0312	0.84	-12.6	1241 \pm 13	1097 \pm 10				
32a	304	169	0.557	0.07	2.5738 \pm 1.1732	0.2227 \pm 1.0005	0.85	0.7	1288 \pm 12	1296 \pm 12				
35a	316	170	0.538	* 0.03	2.5410 \pm 1.1594	0.2225 \pm 0.9990	0.86	2.7	1265 \pm 11	1295 \pm 12				
37a1	395	247	0.626	* 0.04	2.6158 \pm 1.1266	0.2266 \pm 1.0004	0.89	2.6	1287 \pm 10	1316 \pm 12				
30a	682	461	0.676	0.16	2.4962 \pm 1.1036	0.2179 \pm 1.0145	0.92	0.0	1271 \pm 8	1271 \pm 12				
29a1	314	196	0.623	0.42	2.5389 \pm 1.3221	0.2233 \pm 1.0019	0.76	3.8	1256 \pm 17	1299 \pm 12				
28a1	358	219	0.610	0.14	2.4166 \pm 1.1999	0.2104 \pm 1.0012	0.83	-3.9	1276 \pm 13	1231 \pm 11				
31a1	548	270	0.493	0.14	2.0706 \pm 1.1960	0.1821 \pm 1.0302	0.86	-15.5	1257 \pm 12	1078 \pm 10				
15a	341	213	0.623	0.06	2.6092 \pm 1.2955	0.2253 \pm 1.0029	0.77	1.5	1292 \pm 16	1310 \pm 12				
2a	362	224	0.617	0.2	2.5579 \pm 1.2133	0.2225 \pm 1.0145	0.84	1.4	1278 \pm 13	1295 \pm 12				
40a*	292	52	0.177	1.15	1.8866 \pm 2.0378	0.1804 \pm 1.6520	0.81	-2.2	1091 \pm 24	1069 \pm 16				
40b*	353	84	0.236	0.98	2.0048 \pm 1.9400	0.1912 \pm 1.6088	0.83	3.2	1096 \pm 22	1128 \pm 17				
12a*	343	19	0.057	0.91	1.2177 \pm 2.0991	0.1211 \pm 1.5934	0.76	-28.8	1012 \pm 27	737 \pm 11				
DC0386 - Friersdale Charnockite														
2a	41	39	0.933	* 0.40	1.9689 \pm 2.5988	0.1951 \pm 1.2185	0.47	13.9	1019 \pm 46	1105 \pm 18				
30a	42	39	0.922	* 0.34	1.8889 \pm 2.5250	0.1894 \pm 1.2032	0.48	13.4	995 \pm 44	1077 \pm 17				
10a	44	43	0.985	* 0.14	2.0355 \pm 2.6986	0.1895 \pm 1.2038	0.45	-2.5	1145 \pm 47	1127 \pm 19				
32a	47	48	1.023	* 0.30	1.9370 \pm 2.3741	0.1878 \pm 1.2030	0.51	4.7	1063 \pm 41	1094 \pm 16				
15a	51	58	1.149	* 0.07	1.9373 \pm 2.1436	0.1912 \pm 1.2137	0.57	10.7	1027 \pm 35	1094 \pm 14				
25a	53	53	1.003	0.13	1.8859 \pm 2.5378	0.1846 \pm 1.6022	0.63	4.9	1044 \pm 39	1076 \pm 17				
24a	57	62	1.085	* 0.18	1.9445 \pm 2.0763	0.1888 \pm 1.2032	0.58	5.6	1060 \pm 34	1097 \pm 14				
18a	60	67	1.117	* 0.13	1.9030 \pm 2.4351	0.1848 \pm 1.5954	0.66	3.3	1060 \pm 37	1082 \pm 16				
33a	66	88	1.329	* 0.09	1.9650 \pm 1.9841	0.1880 \pm 1.2009	0.61	2.1	1090 \pm 31	1104 \pm 13				
39a	69	67	0.964	0.51	2.0036 \pm 2.2577	0.1979 \pm 1.2068	0.53	14.8	1026 \pm 38	1117 \pm 15				
28a	71	74	1.039	0.29	1.9611 \pm 2.4610	0.1856 \pm 1.5978	0.65	-1.3	1111 \pm 37	1102 \pm 17				
19a	73	92	1.258	0.27	1.8663 \pm 2.7178	0.1846 \pm 1.5929	0.59	7.4	1023 \pm 44	1069 \pm 18				
5a	73	117	1.596	* 0.10	1.9801 \pm 2.1151	0.1913 \pm 1.2064	0.57	5.9	1071 \pm 35	1109 \pm 14				
10b	74	104	1.401	0.29	1.9070 \pm 2.4332	0.1847 \pm 1.6343	0.67	2.9	1065 \pm 36	1084 \pm 16				
20a	78	111	1.419	* 0.19	2.0253 \pm 1.8799	0.1911 \pm 1.2026	0.64	0.9	1118 \pm 29	1124 \pm 13				
6a	84	131	1.564	0.37	2.0103 \pm 1.8954	0.1903 \pm 1.2022	0.63	1.1	1112 \pm 29	1119 \pm 13				
13a	85	129	1.510	0.98	2.1129 \pm 3.3221	0.1940 \pm 1.2331	0.37	-2.6	1172 \pm 60	1153 \pm 23				
3a	99	88	0.881	0.31	1.8891 \pm 1.8307	0.1833 \pm 1.2681	0.69	2.4	1062 \pm 26	1077 \pm 12				
48a	162	133	0.818	0.2	4.4638 \pm 1.7775	0.3055 \pm 1.6025	0.90	-0.9	1731 \pm 14	1724 \pm 15				
44a	539	131	0.243	0.09	3.3253 \pm 1.6499	0.2612 \pm 1.5945	0.97	1.6	1474 \pm 8	1487 \pm 13				
23a	1763	511	0.290	0.16	1.3645 \pm 1.3256	0.1348 \pm 1.2106	0.91	-21.9	1026 \pm 11	874 \pm 8				
DC0387 - Dyasons Klip Granite														
27a	759	321	0.423	0.40	2.7776 \pm 1.6116	0.2303 \pm 1.4674	0.91	-2.8	1370 \pm 13	1336 \pm 18				
7a	228	63	0.275	0.16	2.4244 \pm 1.6307	0.2152 \pm 1.4787	0.91	1.5	1239 \pm 13	1256 \pm 17				
7b*	2077	61	0.029	0.81	1.3008 \pm 1.5384	0.1249 \pm 1.4659	0.95	-31.7	1083 \pm 9	759 \pm 10				
8a	150	80	0.530	* 0.02	6.2734 \pm 1.6202	0.3671 \pm 1.5318	0.95	0.1	2014 \pm 9	2016 \pm 27				
13a	143	52	0.360	7.30	1.7588 \pm 6.9964	0.1518 \pm 2.1908	0.31	-31.7	1294 \pm 124	911 \pm 19				
14a	609	462	0.759	1.22	3.7072 \pm 1.6256	0.2583 \pm 1.4685	0.90	-14.2	1696 \pm 1					

Sample/ spot	[U] ppm	[Th] ppm	Th/U meas.	f ₂₀₆ %	²⁰⁷ Pb/ ²³⁵ U	±1σ error	²⁰⁶ Pb/ ²³⁸ U	±1σ error	Error corr.	Discordance (%)	²⁰⁷ Pb/ ²⁰⁶ Pb	206Pb/ ²³⁸ U
											±1σ(Ma)	±1σ (Ma)
DC0389 - Vaalputs Granite												
18a	522	185	0.355	0.53	2.5996 ± 2.3044	0.2218 ± 1.5102	0.66	-2.0	1315 ± 33	1291 ± 18		
25a	165	57	0.347	0.73	4.6835 ± 1.5704	0.3123 ± 1.4086	0.90	-1.8	1779 ± 13	1752 ± 22		
2a	409	229	0.559	0.18	5.2452 ± 1.5998	0.3365 ± 1.5504	0.97	1.3	1849 ± 7	1870 ± 25		
36a	79	59	0.751	* 0.20	2.5788 ± 1.8157	0.2118 ± 1.3980	0.77	-12.0	1390 ± 22	1238 ± 16		
18c*	797	80	0.100	3.37	1.4508 ± 1.9982	0.1417 ± 1.4059	0.70	-19.7	1048 ± 28	855 ± 11		
1a*	278	88	0.317	1.04	1.7813 ± 1.9880	0.1711 ± 1.4989	0.75	-6.3	1082 ± 26	1018 ± 14		
31a*	322	140	0.435	3.12	1.5639 ± 4.1077	0.1562 ± 1.5281	0.37	-7.3	1004 ± 76	935 ± 13		
3a*	170	86	0.509	3.88	1.7117 ± 2.7401	0.1692 ± 1.4208	0.52	-1.8	1025 ± 47	1007 ± 13		
29a*	134	175	1.307	0.27	1.9487 ± 1.8381	0.1899 ± 1.5186	0.83	7.1	1053 ± 21	1121 ± 16		
34a*	2263	123	0.055	3.82	1.1017 ± 1.8636	0.1064 ± 1.5024	0.81	-41.1	1071 ± 22	652 ± 9		
4b	811	188	0.231	0.06	1.9914 ± 1.5559	0.1839 ± 1.5037	0.97	-6.7	1160 ± 8	1088 ± 15		
21a	54	61	1.145	* 0.18	2.0844 ± 2.3225	0.1979 ± 1.4983	0.65	5.8	1106 ± 35	1164 ± 16		
21b	313	135	0.430	* 0.06	2.1098 ± 1.6817	0.1967 ± 1.4995	0.89	1.5	1142 ± 15	1157 ± 16		
23a	533	86	0.162	0.66	2.0876 ± 1.7114	0.1971 ± 1.4982	0.88	4.2	1117 ± 16	1160 ± 16		
DC0391 - Riemvasmaak Gneiss												
4a	1383	726.00	0.525	0.3	1.9396 ± 1.7397	0.1805 ± 1.6770	0.96	-7.2	1146 ± 9	1070 ± 17		
7a	1896	947.00	0.500	0.19	1.8497 ± 1.7185	0.1739 ± 1.6715	0.97	-8.8	1125 ± 8	1033 ± 16		
28a	352	197.00	0.559	0.09	2.2411 ± 1.8306	0.2067 ± 1.6788	0.92	4.5	1163 ± 14	1211 ± 19		
28b	240	96.00	0.401	* 0.04	2.2099 ± 2.7523	0.2029 ± 2.7129	0.99	1.8	1172 ± 9	1191 ± 30		
32a	532	189.00	0.356	1.87	1.9901 ± 2.1561	0.1857 ± 1.6751	0.78	-4.1	1140 ± 27	1098 ± 17		
35a	3479	1757.00	0.505	0.78	0.4225 ± 1.8246	0.0522 ± 1.6708	0.92	-41.9	555 ± 16	328 ± 5		
7b	258	121.00	0.468	0.56	2.1263 ± 2.1454	0.1925 ± 1.6846	0.79	-5.9	1200 ± 26	1135 ± 18		
9a	223	87.00	0.390	0.16	2.2131 ± 1.9284	0.2054 ± 1.6837	0.87	5.2	1150 ± 19	1204 ± 19		
9b	216	95.00	0.441	* 0.05	2.2328 ± 2.7839	0.2046 ± 2.7203	0.98	2.3	1176 ± 12	1200 ± 30		
36a	227	76.00	0.334	0.15	2.1935 ± 4.9474	0.2049 ± 4.6898	0.87	6.2	1138 ± 49	1202 ± 49		
43a	308	144.00	0.467	0.08	2.2628 ± 4.9380	0.2039 ± 4.6786	0.94	-4.4	1208 ± 15	1196 ± 18		
5a	3247	399.00	0.123	4.44	0.9762 ± 4.8056	0.0903 ± 4.6709	0.93	-42.4	939 ± 14	557 ± 9		
13a	613	248.00	0.356	0.34	2.0982 ± 4.8123	0.1975 ± 4.6742	0.92	3.8	1123 ± 14	1162 ± 18		
13b	624	184.00	0.295	0.05	2.2063 ± 2.7446	0.2013 ± 2.7173	0.99	-0.3	1185 ± 8	1182 ± 29		
41a	763	224.00	0.294	* 0.18	2.1678 ± 4.7617	0.2012 ± 4.6762	0.95	2.9	1154 ± 11	1182 ± 18		
41b	406	140.00	0.343	* 0.04	2.2865 ± 2.7358	0.2092 ± 2.7132	0.99	4.3	1179 ± 7	1225 ± 30		
42a	619	204.00	0.330	0.14	2.2079 ± 1.7889	0.2050 ± 1.6715	0.93	4.9	1150 ± 13	1202 ± 18		
46a	786	149.00	0.190	0.27	2.1115 ± 1.7543	0.1954 ± 1.6724	0.95	-0.6	1157 ± 10	1150 ± 18		
DC0392 - Riemvasmaak Gneiss												
3a	537	149	0.277	0.89	1.8616 ± 2.0241	0.1744 ± 1.5388	0.76	-9.2	1132 ± 26	1036 ± 15		
5a	595	144	0.242	* 0.04	1.9872 ± 1.6013	0.1844 ± 1.4982	0.94	-5.7	1151 ± 11	1091 ± 15		
10b	444	123	0.277	0.23	1.9731 ± 1.6567	0.1809 ± 1.5028	0.91	-9.4	1174 ± 14	1072 ± 15		
24a	694	148	0.214	0.09	2.0640 ± 1.6326	0.1931 ± 1.4984	0.92	0.3	1135 ± 13	1138 ± 16		
25a	479	139	0.289	0.2	2.0284 ± 1.7668	0.1864 ± 1.5033	0.85	-6.4	1171 ± 18	1102 ± 15		
46a	462	134	0.290	0.06	1.9869 ± 1.6559	0.1808 ± 1.5004	0.91	-10.8	1190 ± 14	1071 ± 15		
1a	410	109	0.265	0.46	1.7938 ± 1.7613	0.1684 ± 1.5088	0.86	-11.9	1128 ± 18	1003 ± 14		
2a	462	190	0.411	* 0.02	2.0084 ± 1.7548	0.1874 ± 1.5095	0.86	-3.1	1139 ± 18	1107 ± 15		
2b	621	294	0.473	0.17	1.9923 ± 2.9315	0.1846 ± 2.8710	0.98	-5.9	1154 ± 12	1092 ± 29		
4a	327	122	0.374	0.12	2.1478 ± 2.9461	0.2004 ± 2.8685	0.97	3.6	1140 ± 13	1178 ± 31		
15a	245	104	0.425	* 0.05	2.0752 ± 1.8080	0.1931 ± 1.5314	0.85	-0.7	1145 ± 19	1138 ± 16		
15c	189	80	0.422	0.14	2.1947 ± 3.0241	0.2028 ± 2.8822	0.95	2.9	1159 ± 18	1190 ± 31		
24a	627	171	0.272	* 0.03	2.0620 ± 1.5947	0.1898 ± 1.5035	0.94	-4.4	1167 ± 10	1120 ± 15		
24b	405	147	0.363	0.14	2.0774 ± 2.9559	0.1951 ± 2.8666	0.97	2.2	1127 ± 14	1149 ± 30		
31a	35	18	0.516	* 0.48	1.9289 ± 3.1569	0.1878 ± 1.5008	0.48	5.6	1055 ± 55	1109 ± 15		
38a	412	122	0.296	0.14	1.9893 ± 1.6762	0.1854 ± 1.4985	0.89	-4.4	1143 ± 15	1096 ± 15		
53a	58	19	0.323	0.73	1.6049 ± 3.2091	0.1569 ± 1.5000	0.47	-11.0	1046 ± 56	940 ± 13		
1b*	997	35	0.035	1.03	1.5727 ± 1.6610	0.1510 ± 1.4982	0.90	-17.5	1083 ± 14	906 ± 13		
10a*	2943	159	0.054	5.28	0.5272 ± 3.9672	0.0595 ± 1.5027	0.38	-51.7	750 ± 76	373 ± 5		
17a*	2581	204	0.079	6.23	0.7223 ± 2.0709	0.0744 ± 1.4982	0.72	-52.7	941 ± 29	463 ± 7		
25b*	1348	73	0.054	4.47	1.4918 ± 1.8893	0.1460 ± 1.5056	0.80	-17.0	1044 ± 23	879 ± 12		
DC0396 - Banks Vlei Gneiss												
7a	583	899	1.542	0.15	2.2332 ± 1.2296	0.2064 ± 1.0376	0.84	4.9	1158 ± 13	1210 ± 11		
21a	175	141	0.805	0.15	2.3093 ± 1.8630	0.2098 ± 1.5303	0.82	3.2	1193 ± 21	1228 ± 17		
22a	2178	1293	0.594	0.08	1.5115 ± 1.5733	0.1432 ± 1.4995	0.95	-23.7	1109 ± 9	863 ± 12		
29a	257	243	0.946	0.07	2.3179 ± 1.7573	0.2090 ± 1.5373	0.87	1.4	1208 ± 17	1223 ± 17		
7c*	1785	76	0.043	0.10	1.3858 ± 1.6728	0.1394 ± 1.5628	0.93	-16.0	989 ± 12	841 ± 12		
6c*	755	19	0.025	0.31	1.7205 ± 1.6371	0.1684 ± 1.4995	0.92	-4.3	1044 ± 13	1003 ± 14		
30c*	1164	40	0.034	0.04	1.7626 ± 1.7727	0.1741 ± 1.6397	0.92	0.9	1026 ± 14	1035 ± 16		
38c*	1483	111	0.075	0.43	1.7029 ± 1.6090	0.1672 ± 1.3985	0.87	-4.2	1037 ± 16	997 ± 13		
36c2*	2071	166	0.080	5.29	0.7580 ± 2.3178	0.0802 ± 1.6466	0.71	-45.5	885 ± 33	497 ± 8		
36c1*	1401	89	0.063	2.32	0.8951 ± 1.7923	0.0949 ± 1.4698	0.82	-35.3	882 ± 21	584 ± 8		
58c*	1003	18	0.018	0.36	1.7887 ± 1.4897	0.1747 ± 1.3956	0.94	-1.1	1048 ± 10	1038 ± 13		
24b	899	452	0.503	0.48	1.9752 ± 2.6283	0.1815 ± 1.6478	0.63	-8.9	1171 ± 40	1075 ± 16		
50b2	497	421	0.847	0.07	2.2478 ± 1.5000	0.2060 ± 1.3981	0.93	3.0	1175 ± 11	1208 ± 15		
29b*	592	326	0.551	0.22	2.2144 ± 1.7202	0.2003 ± 1.5994	0.93	-2.2	1202 ± 12	1177 ± 17		
7b	550	375	0.682	0.06	2.3218 ± 1.2425	0.2108 ± 0.9973	0.80	3.5	1194 ± 15	1233 ± 11		
39b	205	111	0.542	0.33	2.1572 ± 1.7422	0.1971 ± 1.3957	0.80	-2.0	1181 ± 20	1160 ± 15		
44b	397	337	0.848	0.19	2.2346 ± 1.5232	0.2052 ± 1.3954	0.92	3.0	1172 ± 12	1203 ± 15		
50b	1629	1320	0.810	2.02	1.1437 ± 2.6889	0.1150 ± 1.9028	0.71	-30.6	989 ± 38	702 ± 13		
80b	291	223	0.766	0.09	2.2262 ± 1.5821	0.2061 ± 1.4018	0.89	5.0	1155 ± 14	1208 ± 15		
58b	150	103	0.686	0.14	2.1693 ± 1.7511	0.1992 ± 1.3963	0.80	0.				

Sample/ spot	[U] ppm	[Th] ppm	Th/U meas.	f_{206} %	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$ error	$^{206}\text{Pb}/^{238}\text{U}$ error	$\pm 1\sigma$	Error corr.	Discordance (%)	$^{207}\text{Pb}/^{206}\text{Pb}$ $\pm 1\sigma(\text{Ma})$	$^{206}\text{Pb}/^{238}\text{U}$ $\pm 1\sigma(\text{Ma})$
DC0397 - Coboop Gneiss												
5a	72	123	1.707	0.16	5.2798 ± 1.9307	0.3352 ± 1.6859	0.87	-0.2	1868 ± 17	1864 ± 27		
10a	812	288	0.354	0.12	4.6887 ± 1.7048	0.3037 ± 1.6730	0.98	-7.6	1832 ± 6	1710 ± 25		
24a	70	93	1.334	0.26	4.8838 ± 2.1175	0.3164 ± 1.6758	0.79	-3.7	1831 ± 23	1772 ± 26		
28a	93	122	1.309	* 0.10	5.1316 ± 1.8823	0.3259 ± 1.6514	0.88	-3.0	1867 ± 16	1819 ± 26		
28b	387	388	1.001	* 0.02	5.2022 ± 1.7010	0.3302 ± 1.6516	0.97	-1.8	1869 ± 7	1839 ± 26		
36a	132	81	0.615	* 0.09	3.8020 ± 1.9263	0.2686 ± 1.6586	0.86	-9.3	1673 ± 18	1534 ± 23		
42a	182	135	0.739	* 0.02	5.1295 ± 1.7514	0.3239 ± 1.6610	0.95	-4.2	1878 ± 10	1809 ± 26		
4a	128	114	0.894	* 0.08	5.2945 ± 1.7834	0.3323 ± 1.6540	0.93	-2.4	1889 ± 12	1850 ± 27		
126a	92	88	0.952	0.12	5.3448 ± 1.5369	0.3430 ± 1.3235	0.86	3.3	1848 ± 14	1901 ± 22		
101a	296	364	1.231	0.04	5.3642 ± 1.4477	0.3399 ± 1.3760	0.95	0.9	1872 ± 8	1886 ± 23		
105a	154	158	1.029	0.04	5.3443 ± 1.4184	0.3397 ± 1.3253	0.93	1.2	1865 ± 9	1885 ± 22		
106a	82	81	0.989	0.08	5.4399 ± 1.4952	0.3437 ± 1.3212	0.88	1.7	1876 ± 13	1905 ± 22		
109a	62	62	0.994	0.20	5.1802 ± 1.6174	0.3284 ± 1.3424	0.83	-2.5	1871 ± 16	1831 ± 21		
109b	331	319	0.966	* 0.01	5.4587 ± 1.3696	0.3449 ± 1.3228	0.97	2.1	1877 ± 6	1910 ± 22		
114a	169	157	0.927	0.04	5.4952 ± 1.4086	0.3460 ± 1.3196	0.94	2.0	1883 ± 9	1915 ± 22		
114b	528	112	0.212	0.02	5.0297 ± 1.4109	0.3303 ± 1.3707	0.97	2.1	1807 ± 6	1840 ± 22		
115a	113	148	1.303	0.06	5.4612 ± 1.5684	0.3463 ± 1.3199	0.84	2.9	1870 ± 15	1917 ± 22		
125a	155	150	0.972	0.04	5.3778 ± 1.4190	0.3398 ± 1.3202	0.93	0.6	1876 ± 9	1886 ± 22		
DC0398 - Beenbreek Gneiss												
19a	603	426	0.706	12.54	1.5430 ± 6.4694	0.1519 ± 1.5697	0.24	-12.5	1032 ± 122	912 ± 13		
21b	234	128	0.545	2.96	2.0133 ± 2.0059	0.1911 ± 1.1471	0.57	2.0	1106 ± 33	1127 ± 12		
41a	1940	1003	0.517	0.64	1.0738 ± 1.3610	0.1087 ± 1.2209	0.90	-33.6	977 ± 12	665 ± 8		
48a	1504	480	0.319	1.9	1.0331 ± 1.7648	0.1057 ± 1.1472	0.65	-33.8	955 ± 27	648 ± 7		
12b	377	120	0.319	3.28	1.9198 ± 1.8373	0.1842 ± 1.1474	0.62	0.5	1085 ± 29	1090 ± 12		
42a	1180	288	0.244	1	1.3682 ± 1.3490	0.1310 ± 1.1492	0.85	-28.8	1089 ± 14	793 ± 9		
42e	741	149	0.201	0.85	1.8202 ± 1.7656	0.1767 ± 1.1473	0.65	-1.2	1061 ± 27	1049 ± 11		
21a	635	121	0.191	0.05	2.0256 ± 1.2342	0.1919 ± 1.1477	0.93	2.1	1110 ± 9	1132 ± 12		
9a	810	130	0.160	0.92	1.9507 ± 1.4134	0.1841 ± 1.1471	0.81	-2.7	1117 ± 16	1089 ± 12		
44a1	716	106	0.148	3.43	1.9893 ± 1.7395	0.1873 ± 1.1472	0.66	-1.4	1122 ± 26	1107 ± 12		
22a	1029	102	0.099	0.04	2.0333 ± 1.2103	0.1919 ± 1.1472	0.95	1.4	1117 ± 8	1131 ± 12		
44b	3003	293	0.098	16.15	0.6633 ± 5.0415	0.0725 ± 1.2882	0.26	-46.5	819 ± 99	451 ± 6		
4a	1606	131	0.082	0.11	1.3553 ± 1.2400	0.1323 ± 1.1650	0.94	-25.1	1049 ± 9	801 ± 9		
DC01140 - Guadom Formation												
01a*	573	9	0.016	2.09	1.4850 ± 2.2665	0.1514 ± 2.0614	0.91	-5.8	961 ± 19	909 ± 17		
09a*	819	49	0.060	1.31	1.1864 ± 2.3315	0.1210 ± 2.1485	0.92	-24.8	961 ± 18	736 ± 15		
08a*	673	76	0.113	0.69	1.7920 ± 2.1585	0.1697 ± 2.0666	0.96	-9.7	1110 ± 12	1010 ± 19		
42a*	803	36	0.045	1.9	1.4849 ± 2.2033	0.1439 ± 2.0685	0.94	-19.9	1065 ± 15	867 ± 17		
34a*	1709	24	0.014	0.86	0.9643 ± 2.1330	0.1012 ± 2.0609	0.97	-32.5	901 ± 11	622 ± 12		
35a*	912	28	0.031	0.41	1.4550 ± 2.1088	0.1421 ± 2.0716	0.98	-19.5	1049 ± 8	857 ± 17		
39a*	773	37	0.048	3.06	1.6041 ± 11.5407	0.1507 ± 2.3864	0.21	-21.1	1126 ± 210	905 ± 20		
40a*	989	11	0.011	0.65	1.6862 ± 4.3950	0.1708 ± 4.3344	0.99	4.7	974 ± 15	1017 ± 41		
49b*	964	10	0.011	0.29	1.5273 ± 3.4396	0.1525 ± 3.4297	1.00	-9.5	1004 ± 8	915 ± 37		
15a*	929	7	0.008	0.41	1.4828 ± 3.3949	0.1501 ± 3.43401	0.99	-8.2	976 ± 14	901 ± 37		
71a	234	267	1.140	0.6	4.5781 ± 4.3618	0.2979 ± 4.3231	0.99	-8.8	1823 ± 10	1681 ± 64		
70a	89	94	* 0.12	4.8627 ± 4.3945	0.3132 ± 4.3241	0.98	-5.3	1842 ± 14	1756 ± 67			
01b	187	194	1.040	2.6	4.1147 ± 4.4518	0.2731 ± 4.3242	0.97	-14.5	1787 ± 19	1557 ± 60		
05a	288	365	1.264	0.31	4.3556 ± 4.3500	0.2816 ± 4.3240	0.99	-14.5	1835 ± 9	1599 ± 62		
08b	301	321	1.065	0.96	3.9703 ± 4.3985	0.2719 ± 4.3501	0.99	-11.7	1730 ± 12	1550 ± 60		
24a	138	147	1.061	1.09	4.4929 ± 4.4216	0.2958 ± 4.3379	0.98	-8.3	1802 ± 15	1670 ± 64		
39b	292	277	0.946	2.11	3.5882 ± 4.6051	0.2607 ± 4.3256	0.94	-8.8	1621 ± 29	1493 ± 58		
66a	110	159	1.450	0.61	5.1146 ± 4.4011	0.3322 ± 4.3253	0.98	1.4	1827 ± 15	1849 ± 70		
88a	658	1524	2.317	0.17	5.2213 ± 2.2597	0.3302 ± 2.2266	0.99	-2.2	1875 ± 7	1839 ± 36		
78a*	944	37	0.039	3.51	1.5835 ± 2.7358	0.1623 ± 2.2262	0.81	2.1	951 ± 32	969 ± 20		
77a*	1342	11	0.009	1.16	1.3458 ± 2.4720	0.1409 ± 2.2261	0.90	-6.7	906 ± 22	850 ± 18		
92a*	950	60	0.064	2.89	1.7019 ± 2.6032	0.1709 ± 2.2261	0.86	2.6	993 ± 27	1017 ± 21		
DC0770 - Guadom Formation												
3a	288	247	0.857	0.21	5.0541 ± 1.3241	0.3248 ± 1.2598	0.95	-2.1	1846 ± 7	1813 ± 20		
62a	84	93	1.104	* 0.08	5.2118 ± 1.7552	0.3347 ± 1.3196	0.75	0.8	1847 ± 21	1861 ± 21		
50a	150	204	1.361	0.06	5.3083 ± 1.4160	0.3393 ± 1.2009	0.85	1.7	1856 ± 13	1883 ± 20		
25a	125	104	0.827	0.14	5.3793 ± 1.4841	0.3392 ± 1.2032	0.81	0.2	1880 ± 16	1883 ± 20		
33e	113	86	0.762	0.19	4.3388 ± 1.5884	0.2927 ± 1.2211	0.77	-6.6	1758 ± 18	1655 ± 18		
1b*	249	8	0.032	0.08	1.6628 ± 1.5946	0.1671 ± 1.4150	0.89	0.5	991 ± 15	996 ± 13		
62b*	402	7	0.018	0.05	1.8043 ± 1.6766	0.1798 ± 1.2192	0.73	6.2	1008 ± 23	1066 ± 12		
33b*	221	10	0.046	0.23	1.8252 ± 1.8579	0.1818 ± 1.3400	0.72	7.3	1009 ± 26	1077 ± 13		
59b*	384	13	0.033	0.09	1.7955 ± 1.6941	0.1776 ± 1.3081	0.77	3.3	1023 ± 22	1054 ± 13		
6b*	275	10	0.038	0.17	1.7742 ± 1.4677	0.1739 ± 1.2097	0.82	-0.8	1041 ± 17	1034 ± 12		
25b*	394	4	0.010	* 0.01	1.7922 ± 1.3553	0.1751 ± 1.2139	0.90	-0.7	1047 ± 12	1040 ± 12		
4c*	228	14	0.061	0.09	1.6816 ± 1.5278	0.1688 ± 1.2918	0.85	1.3	993 ± 16	1005 ± 12		
2c*	158	17	0.108	0.34	1.8333 ± 1.9729	0.1837 ± 1.6186	0.82	9.8	997 ± 23	1087 ± 16		
8c*	192	7	0.037	0.06	1.7391 ± 1.8662	0.1691 ± 1.6281	0.87	-5.2	1058 ± 18	1007 ± 15		
4c2*	291	18	0.061	0.07	1.8396 ± 1.7453	0.1818 ± 1.6134	0.92	5.5	1025 ± 13	1077 ± 16		
DC0447 - Polisiehoek Gneiss												
29a	2474	126	0.051	2.03	0.8372 ± 1.2574	0.0879 ± 0.9111	0.72	-41.5	902 ± 18	543 ± 5		
44a	2186	92	0.042	1.34	1.0149 ± 1.0987	0.1026 ± 0.9129	0.83	-37.5	979 ± 12	629 ± 5		
42a	1806	166	5.87	0.587	0.8829 ± 1.5543	0.0890 ± 0.9115	0.59	-46.1	985 ± 25	549 ± 5		
151a	1926	211	0.110	6.66	1.1408 ± 1.6871	0.1106 ± 0.9102	0.54	-38.3	1063 ± 28	676 ± 6		
26a	882	272	0.309	2.92	1.6034 ± 1.3287	0.1526 ± 0.9119	0.69	-18.0	1100 ± 19	916 ± 8		
12a	750	373	0.497	10.1	1.6606 ± 2.1482	0.1576 ± 0.9106	0.42	-15.8	1106 ± 38	943 ± 8		
95a	1898	134	0.071	9.05	1.0261 ± 3.1529	0.0966 ± 0.9142	0.29	-				

Appendix 3

Sample/Run ID# ^a	Power (W)	Ca/K	Cl/K	³⁶ Ar/ ³⁹ Ar	⁴⁰ Ar*/ ³⁹ Ar	³⁹ Ar (Mol-14)	% ³⁹ Ar ^c	Cum. % ³⁹ Ar	% ⁴⁰ Ar* ^d	Age (Ma)	± 2s
<i>DC0411, Run ID# 1542-02 (J = 0.009386 ± 0.000025):</i>											
1542-02A	1.6	-1004.9	0.01	0.052	2.595	0.0002	0.0	0.0	5.9	43.42	379.29
1542-02B	1.7	60.7	0.00	0.032	72.814	0.0044	1.0	1.0	91.0	939.63	12.64
1542-02C	1.8	10.4	0.00	0.004	91.851	0.0837	18.4	19.4	99.3	1121.62	1.08
1542-02D	•1.8	25.5	0.01	0.003	93.169	0.0291	6.4	25.8	100.0	1133.56	2.38
1542-02E	•1.9	14.6	0.01	0.001	93.274	0.0547	12.0	37.9	100.0	1134.51	1.75
1542-02F	•1.9	23.4	0.00	0.001	93.581	0.0135	3.0	40.8	100.0	1137.28	4.73
1542-02G	•2.1	8.1	1.22	0.000	92.163	0.0836	18.4	59.2	100.0	1124.46	1.16
1542-02H	•2.4	4.9	0.97	0.000	92.403	0.1031	22.7	81.9	100.0	1126.63	1.12
1542-02I	•3.5	11.5	0.00	0.002	93.010	0.0710	15.6	97.6	100.0	1132.12	1.65
1542-02J	•4.5	25.0	0.00	0.000	93.799	0.0111	2.4	100.0	100.0	1139.25	5.67
Integ. Age=										1126.00	5.00
(•) Plateau Age =							80.6			1129.00	6.00
<i>DC0441, Run ID# 1543-01 (J = 0.009386 ± 0.000025):</i>											
1543-01C	1.9	109.2	0.12	0.919	316.740	0.0008	0.7	0.7	53.3	2488.73	44.38
1543-01D	2	66.2	0.10	0.313	61.854	0.0009	0.7	1.4	39.9	825.87	35.78
1543-01E	2.2	2.8	0.03	0.062	48.186	0.0036	3.0	4.3	72.4	673.15	7.63
1543-01F	2.4	0.1	0.05	0.027	71.328	0.0113	9.2	13.5	89.9	924.62	2.89
1543-01G	2.6	1.0	1.00	0.007	81.593	0.0955	77.8	91.3	97.6	1025.84	0.93
1543-01H	3	0.6	0.03	0.017	73.952	0.0037	3.0	94.3	92.8	951.04	10.00
1543-01I	3.4	21.9	0.06	0.024	74.367	0.0042	3.4	97.7	92.1	955.18	9.12
1543-01J	4.5	2.3	0.04	0.015	61.091	0.0028	2.3	100.0	93.1	817.68	11.21
Integ. Age=										1012.00	5.00
<i>API5-825, Run ID# 1182-01 (J = 0.01041 ± 0.000025):</i>											
1182-01A	1.3	-1.6	-0.11	0.080	38.899	0.0032	0.1	0.1	62.1	613.37	43.79
1182-01B	1.4	0.1	0.00	0.037	39.552	0.0134	0.3	0.4	78.4	622.08	6.95
1182-01C	1.5	0.2	0.02	0.019	60.927	0.0516	1.1	1.4	91.6	886.13	2.69
1182-01D	1.6	0.0	0.01	0.008	65.712	0.0608	1.3	2.7	96.4	940.30	2.25
1182-01E	1.7	0.0	0.01	0.007	68.949	0.1049	2.2	5.0	97.0	976.04	1.58
1182-01F	•1.7	0.1	0.01	0.004	69.616	0.1027	2.2	7.2	98.2	983.32	1.74
1182-01G	•1.8	0.0	0.01	0.002	69.863	0.0969	2.1	9.2	99.2	986.01	1.80
1182-01H	•1.9	0.0	0.01	0.005	69.875	0.2642	5.6	14.8	97.9	986.14	1.17
1182-01I	•2.0	0.1	0.01	0.003	69.483	0.0753	1.6	16.4	98.7	981.87	2.29
1182-01J	•2.1	0.0	0.01	0.001	69.926	0.1482	3.2	19.6	99.6	986.69	1.52
1182-01K	•2.2	0.0	0.01	0.001	69.651	0.1132	2.4	22.0	99.4	983.70	1.73
1182-01L	•2.4	0.0	0.01	0.001	69.764	0.3100	6.6	28.6	99.4	984.93	1.27
1182-01M	•2.6	0.0	0.00	0.001	69.751	0.5099	10.8	39.4	99.7	984.79	1.11
1182-01N	•2.8	0.0	0.00	0.001	69.756	0.5500	11.7	51.1	99.7	984.84	0.97
1182-01O	•3.1	0.0	0.00	0.001	69.776	0.8470	18.0	69.1	99.7	985.06	1.13
1182-01P	•3.4	0.0	0.00	0.000	69.734	1.4536	30.9	100.0	99.8	984.61	0.93
Integ. Age=										982.00	4.00
(•) Plateau Age =							95.0			985.00	4.00
<i>DC0388, Run ID# 1544-01 (J = 0.009386 ± 0.000025):</i>											
1544-01A	1.6	-67.3	0.05	0.235	37.199	0.0005	0.1	0.1	34.5	540.27	75.81
1544-01B	1.7	52.2	0.03	0.061	69.960	0.0079	0.9	1.0	81.3	910.69	5.36
1544-01C	1.8	13.1	0.00	0.005	74.149	0.0622	7.1	8.1	98.8	953.01	1.11
1544-01D	•1.9	3.7	0.97	0.001	75.753	0.1552	17.8	25.9	99.8	968.95	0.85
1544-01E	•2.0	2.1	0.97	0.001	75.777	0.2208	25.3	51.2	99.9	969.18	0.69
1544-01F	•2.2	1.5	0.97	0.001	75.591	0.2807	32.2	83.4	99.9	967.34	0.68
1544-01G	2.5	8.8	0.00	0.001	74.616	0.1108	12.7	96.0	100.0	957.66	0.77
1544-01H	3	30.1	0.00	0.001	77.529	0.0291	3.3	99.4	100.0	986.44	2.45
1544-01I	3.5	70.0	0.00	0.005	72.231	0.0054	0.6	100.0	100.0	933.75	10.11
Integ. Age=										966.00	4.00
(•) Plateau Age =							75.3			968.00	4.00

DC0392, Run ID# 1545-01 ($J = 0.009386 \pm 0.000025$):

1545-01A	1.9	503.6	0.39	0.133	55.907	0.0002	0.1	0.1	71.0	761.01	200.74
1545-01B	2.1	79.2	0.89	0.008	82.994	0.0005	0.2	0.3	100.0	1039.22	100.44
1545-01C	•2.3	2.6	2.26	0.002	78.152	0.2082	69.2	69.4	99.6	992.54	0.68
1545-01D	•2.4	19.8	2.27	0.002	79.107	0.0634	21.1	90.5	100.0	1001.84	1.56
1545-01E	•3.0	34.2	2.26	0.002	80.131	0.0286	9.5	100.0	100.0	1011.76	2.72
Integ. Age=										996.00	4.00
(•) Plateau Age =							99.7			995.00	8.00

DC0443, Run ID# 1541-01 ($J = 0.009386 \pm 0.000025$):

1541-01A	1.7	12.3	0.02	0.187	69.076	0.0069	0.3	0.3	55.7	901.63	5.48
1541-01B	1.8	2.1	0.01	0.035	77.426	0.0436	1.9	2.2	88.2	985.43	1.23
1541-01C	1.9	1.1	0.01	0.022	76.515	0.1078	4.7	6.9	92.1	976.48	0.79
1541-01D	2	4.0	0.01	0.005	76.280	0.0572	2.5	9.3	98.1	974.16	1.34
1541-01G	•2.4	0.1	0.00	0.000	75.019	0.5498	23.8	33.2	99.8	961.67	2.28
1541-01H	•2.6	0.6	0.00	0.000	75.184	0.6168	26.7	59.9	100.0	963.30	0.49
1541-01I	•2.8	0.0	0.00	0.000	75.123	0.3294	14.3	74.2	100.0	962.70	0.59
1541-01J	•3.1	0.7	0.00	0.000	75.241	0.3874	16.8	91.0	100.0	963.88	0.43
1541-01K	•3.5	0.1	0.00	0.000	75.183	0.2088	9.0	100.0	100.0	963.30	0.86
Integ. Age=										964.00	4.00
(•) Plateau Age =							90.7			963.00	4.00

DC0443, Run ID# 1541-02 ($J = 0.009386 \pm 0.000025$):

1541-02A	•1.7	0.3	0.00	0.048	75.576	0.0552	7.3	7.3	84.1	967.20	1.25
1541-02B	•1.8	0.0	0.00	0.005	75.386	0.3809	50.3	57.6	98.0	965.31	0.49
1541-02C	•1.9	3.7	0.00	0.000	75.878	0.0446	5.9	63.5	100.0	970.19	2.14
1541-02D	•2.0	1.3	0.00	0.000	75.634	0.0249	3.3	66.8	100.0	967.77	1.75
1541-02E	•2.1	3.5	0.00	0.000	75.671	0.0307	4.1	70.9	100.0	968.14	1.78
1541-02F	•2.2	0.5	0.00	0.004	75.573	0.1432	18.9	89.8	98.4	967.17	0.61
1541-02G	•2.4	7.0	0.00	0.001	75.724	0.0143	1.9	91.7	100.0	968.66	2.17
1541-02H	•2.6	2.6	0.00	0.000	75.692	0.0219	2.9	94.6	100.0	968.35	1.72
1541-02I	•2.8	7.8	0.00	0.000	76.072	0.0128	1.7	96.3	100.0	972.10	3.16
1541-02J	•3.1	1.4	0.00	0.000	75.252	0.0077	1.0	97.3	100.0	963.99	3.88
1541-02K	•3.5	6.8	0.01	0.002	75.677	0.0080	1.1	98.4	99.6	968.19	3.77
1541-02L	•4.5	2.3	0.00	0.000	75.757	0.0124	1.6	100.0	100.0	968.99	4.53
Integ. Age=										967.00	4.00
(•) Plateau Age =							100.0			967.00	4.00

DC0397, Run ID# 1179-01 ($J = 0.01041 \pm 0.000025$):

1179-01A	1.3	0.0	0.01	0.005	67.131	0.8781	16.7	16.7	97.7	956.05	0.65
1179-01B	•1.4	0.0	0.01	0.001	67.763	0.6986	13.3	29.9	99.6	963.03	0.74
1179-01C	•1.4	0.0	0.01	0.001	67.697	0.6674	12.7	42.6	99.6	962.30	0.85
1179-01D	•1.5	0.0	0.01	0.000	67.622	0.6791	12.9	55.4	99.8	961.48	0.81
1179-01E	•1.5	0.0	0.01	0.000	67.584	1.3261	25.2	80.6	99.9	961.05	0.81
1179-01F	•1.6	0.0	0.01	0.001	67.766	0.4183	7.9	88.5	99.7	963.06	1.02
1179-01G	•1.6	0.0	0.01	0.000	67.456	0.3965	7.5	96.1	99.8	959.64	1.10
1179-01H	1.7	0.0	0.01	0.001	67.000	0.1847	3.5	99.6	99.6	954.61	1.13
1179-01I	3	0.1	0.02	0.004	65.197	0.0231	0.4	100.0	98.0	934.55	5.10
Integ. Age=										960.00	4.00
(•) Plateau Age =							79.4			962.00	4.00

DC03105, Run ID# 1546-01 ($J = 0.009386 \pm 0.000025$):

1546-01A	1.9	21.5	0.09	0.038	55.546	0.0122	5.5	5.5	84.3	756.99	8.18
1546-01B	2.1	38.0	0.04	0.003	91.680	0.0098	4.5	10.0	100.0	1120.06	9.29
1546-01C	2.2	75.6	0.11	0.046	97.890	0.0100	4.5	14.5	90.1	1175.71	11.46
1546-01D	2.2	52.6	0.20	0.005	82.697	0.0220	10.0	24.5	100.0	1036.39	5.83
1546-01E	2.3	39.3	0.21	0.003	82.294	0.0250	11.3	35.8	100.0	1032.55	5.18
1546-01F	•2.3	16.4	0.21	0.002	79.592	0.0535	24.3	60.1	100.0	1006.54	2.50
1546-01G	•2.4	9.3	0.20	0.000	78.576	0.0486	22.0	82.2	100.0	996.67	1.68
1546-01H	•2.5	17.9	0.21	0.001	78.832	0.0393	17.8	100.0	100.0	999.16	2.21
Integ. Age=										1009.00	5.00
(•) Plateau Age =							64.2			1000.00	7.00

Italic numbers indicates below detection limit.