DR2009238

MARTENS Et Al., FOR DATA REPOSITORY

U/Pb geochronology of Devonian and older Paleozoic beds in the southeastern Maya Block, Central America: its affinity with Peri-Gondwanan terranes

Uwe Martens
*Department of Geological and Environmental Sciences, 450 Serra Mall, Bldg 320, Stanford University, Stanford, California 94305, USA**
Bodo Weber
División Ciencias de la Tierra, Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), 22860 Ensenada, Baja California, Mexico
Victor A. Valencia
Department of Geosciences, University of Arizona, Tucson, Arizona 85721, USA
**umartens@stanford.edu*

INTRODUCTION

Supplementary data presented here include concentration and isotopic ratios for U/Pb zircon ages performed by Laser Ablation ICP-MS. An overview of the technique employed for the single crystal laser ablation ICP multicollector mass spectrometric technique (LA-ICP-MS) at the Arizona Laserchron Center is included.

ANALYTICAL TECHNIQUES

After crushing and pulverizing samples, zircon grains were concentrated by Wilfley ® shaking table, Frantz ® isodynamic separator, methylene iodide and hand picking. Final zircon concentrates were sieved and grains >40 μm were selected for analysis.

Zircon unknowns and standards were mounted on the center of 1 inch phenolic O-rings and polished to expose grain interiors. Analyzed detrital zircons were selected randomly. Each measurement cycle consisted of one 20s integration on every centered peak with the laser off for background counts, twenty 1s integrations during mineral blasting, and ~30s of purging. Zircons were ablated with a New Wave Research DUV193 ArF Excimer laser (wavelength = 193 nm). The laser beam was operated with ~32mJ energy (at 23kV), pulse rate of 9Hz, and spot size of 35µm or 50 µm depending on size and complexity of zircons. The generated pit was ~10 µm deep. Ablated material was carried in helium gas into an Isoprobe ICPMS from GV Instruments. U, Th and Pb isotopes were analyzed simultaneously in static mode using Faraday collectors for ^{238}U, ^{232}U, ^{208}Pb, ^{207}Pb and ^{206}Pb, and using an ion counter for ^{204}Pb. Contributions to the 204 mass by Hg were removed by subtracting background counts. Common Pb corrections were calculated from ^{204}Pb measurements and assuming an initial isotopic composition according to the Pb evolution curve by Stacey and Kramers (1975).

Fragments of NIST 610 trace element glass were analyzed with every sample to determine concentrations of U and Th. Five Sri Lanka zircon standards (564±4 Ma, 2-sigma error) were analyzed before each sample and once every five unknowns. Corrections for Th/U, Pb/U and (minor) Pb/Pb fractionation were carried out by comparison to the moving-average of 6 standards. Due to increment in inter-element fractionation with pit depth by as much as 5%, a least-squares fit through the measured values was performed to calculate the initial value. Grains that showed >10% change in isotopic ratio during analysis, possibly due to age zoning, were discarded from the study.

Systematic errors were propagated separately, and include uncertainty of standard age, calibration correction of standard, composition of common Pb, and U decay constant. Values selected for concordia and probability density plots were 206Pb/207Pb age for samples older than 900 Ma, and 206Pb/238U age for younger zircons. Analysis with >5% discordance, high 206Pb/238U or 206Pb/207Pb errors (>10%) were considered unreliable and were disregarded.

DR2009238

Table DR1. Concentrations, isotopic ratios and ages of zircon.

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
144	3177	1.38	0.46633	6.8	0.05679	3.9	0.56	356.1	13.3	388.7	22.0	587.6	122.4	**356.1**	13.3
305	5352	1.01	0.50127	3.2	0.06124	1.6	0.52	383.2	6.1	412.6	10.7	580.3	58.4	**383.2**	6.1
75	2765	1.11	0.51988	7.1	0.06297	4.6	0.64	393.7	17.4	425.1	24.7	599.1	118.0	**393.7**	17.4
90	3518	0.74	0.49767	3.6	0.06358	1.2	0.35	397.4	4.8	410.1	12.0	482.6	73.5	**397.4**	4.8
104	2963	1.45	0.51278	3.7	0.06394	1.2	0.32	399.5	4.6	420.3	12.6	536.0	75.9	**399.5**	4.6
100	3536	1.24	0.52393	8.4	0.06403	2.3	0.28	400.1	9.1	427.8	29.3	579.9	175.3	**400.1**	9.1
223	9559	0.96	0.49499	2.0	0.06425	1.2	0.59	401.4	4.5	408.3	6.7	447.2	35.6	**401.4**	4.5
1077	7823	0.80	0.53761	9.4	0.06427	3.8	0.40	401.6	14.7	436.8	33.4	627.4	186.1	**401.6**	14.7
121	5082	1.08	0.49958	5.6	0.06442	1.0	0.18	402.5	3.9	411.4	18.9	462.0	121.7	**402.5**	3.9
209	3518	1.31	0.57667	13.3	0.06454	4.7	0.35	403.2	18.2	462.3	49.4	768.1	262.9	**403.2**	18.2
198	10211	0.91	0.48807	3.3	0.06484	2.5	0.76	405.0	10.0	403.6	11.1	395.7	48.1	**405.0**	10.0
77	3359	1.18	0.51947	6.3	0.06496	1.6	0.26	405.7	6.4	424.8	21.8	529.5	133.3	**405.7**	6.4
571	18034	0.75	0.50266	3.1	0.06505	2.6	0.84	406.3	10.3	413.5	10.6	454.2	37.5	**406.3**	10.3
732	26116	1.09	0.49454	2.9	0.06515	2.7	0.94	406.9	10.5	408.0	9.6	414.3	22.4	**406.9**	10.5
900	4993	1.15	0.55881	7.5	0.06517	6.0	0.81	407.0	23.7	450.7	27.1	680.6	94.4	**407.0**	23.7
177	6649	1.01	0.50794	3.3	0.06588	1.3	0.39	411.3	5.2	417.1	11.4	449.2	67.9	**411.3**	5.2
7	12718	0.94	0.5163	3.7	0.06602	3.5	0.92	412	13.8	422.7	12.9	480.7	31.5	**412.2**	13.8

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
94			7					.2							
137	3954	1.32	0.54590	3.7	0.06634	1.9	0.51	414.1	7.5	442.3	13.2	592.0	68.7	**414.1**	7.5
118	6560	1.07	0.51479	4.4	0.06663	2.1	0.47	415.8	8.3	421.7	15.2	453.8	86.6	**415.8**	8.3
43	2419	0.61	0.50323	10.9	0.06691	1.7	0.16	417.5	6.9	413.9	37.0	393.6	241.4	**417.5**	6.9
219	4742	0.89	0.55814	9.3	0.06721	6.9	0.74	419.3	27.9	450.3	33.8	611.7	135.3	**419.3**	27.9
568	7596	1.64	0.55962	7.3	0.06895	6.8	0.94	429.8	28.4	451.3	26.6	562.2	55.1	**429.8**	28.4
117	5268	0.95	0.53459	5.5	0.06909	1.1	0.20	430.7	4.6	434.9	19.5	457.0	119.9	**430.7**	4.6
373	21962	0.77	0.53632	2.3	0.07005	2.0	0.89	436.4	8.4	436.0	8.0	433.7	23.4	**436.4**	8.4
133	3207	1.03	0.62297	7.0	0.07287	1.3	0.18	453.4	5.5	491.7	27.4	674.3	148.1	**453.4**	5.5
316	21951	0.88	1.37726	1.9	0.14183	1.5	0.83	855.0	12.4	879.3	11.0	940.9	21.4	**855.0**	12.4
109	8966	1.65	0.66332	2.9	0.08356	2.1	0.71	517.3	10.3	516.6	11.9	513.7	45.3	**517.3**	10.3
292	29118	0.47	1.16755	1.4	0.12904	1.0	0.71	782.4	7.4	785.5	7.7	794.3	21.0	**782.4**	7.4
477	53777	0.53	1.46263	1.5	0.15209	1.1	0.75	912.7	9.7	915.1	9.1	920.9	20.6	**920.9**	20.6
249	37962	0.26	1.52144	1.4	0.15788	1.0	0.71	945.0	8.8	939.1	8.7	925.2	20.6	**925.2**	20.6
73	7659	0.81	1.49267	2.3	0.15469	1.2	0.54	927.2	10.7	927.4	14.0	927.8	40.0	**927.8**	40.0
321	32418	0.37	1.46223	2.3	0.15150	2.1	0.90	909.4	17.8	914.9	14.0	928.3	20.6	**928.3**	20.6
49	6491	0.45	1.51596	2.3	0.15657	1.0	0.43	937.7	8.7	936.8	14.1	934.8	42.7	**934.8**	42.7

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
144	20570	0.43	1.50763	1.8	0.15540	1.5	0.83	931.1	12.7	933.5	10.9	939.0	20.6	**939.0**	20.6
143	20079	0.58	1.55123	1.7	0.15973	1.4	0.80	955.3	12.1	951.0	10.5	941.0	20.7	**941.0**	20.7
133	16636	0.97	1.50970	1.8	0.15416	1.2	0.70	924.2	10.8	934.3	10.9	958.2	26.1	**958.2**	26.1
193	16427	0.78	1.50472	1.6	0.15265	1.0	0.64	915.8	8.5	932.3	9.5	971.5	24.3	**971.5**	24.3
61	8063	0.54	1.65860	1.7	0.16826	1.0	0.59	1002.5	9.3	992.8	10.7	971.5	27.8	**971.5**	27.8
62	10358	0.70	1.68280	2.2	0.17032	1.3	0.59	1013.9	12.1	1002.0	13.9	976.3	35.9	**976.3**	35.9
70	8571	0.67	1.61742	1.8	0.16269	1.5	0.80	971.7	13.1	977.0	11.4	988.8	22.1	**988.8**	22.1
124	17485	0.44	1.69794	1.4	0.17039	1.0	0.70	1014.3	9.4	1007.8	9.1	993.6	20.8	**993.6**	20.8
179	22661	0.50	1.63162	1.9	0.16356	1.6	0.84	976.5	14.2	982.5	11.7	995.8	20.4	**995.8**	20.4
58	11259	0.57	1.75598	1.7	0.17593	1.1	0.68	1044.7	11.0	1029.4	10.9	996.9	25.1	**996.9**	25.1
77	12218	0.54	1.71816	1.9	0.17213	1.3	0.72	1023.9	12.6	1015.3	11.9	997.0	26.2	**997.0**	26.2
133	20352	0.61	1.69518	2.1	0.16972	1.9	0.88	1010.6	17.5	1006.7	13.6	998.3	20.4	**998.3**	20.4
126	17679	0.53	1.65416	1.9	0.16559	1.6	0.85	987.8	14.7	991.1	12.0	998.6	20.4	**998.6**	20.4
76	10187	1.12	1.67309	2.0	0.16735	1.3	0.63	997.5	11.6	998.4	12.7	1000.2	31.6	**1000.2**	31.6
156	21554	0.56	1.72716	1.5	0.17273	1.0	0.67	1027.2	9.5	1018.7	9.6	1000.5	22.4	**1000.5**	22.4
238	36496	0.48	1.74678	1.5	0.17453	1.1	0.74	1037.0	10.6	1026.0	9.7	1002.4	20.3	**1002.4**	20.3
63	8353	0.36	1.71324	1.8	0.17092	1.1	0.64	1017.2	10.6	1013.5	11.3	1005.5	27.5	**1005.5**	27.5
156	25943	0.40	1.73750	1.4	0.17325	1.0	0.71	1030.0	9.5	1022.5	9.1	1006.6	20.3	**1006.6**	20.3

U (ppm)	^{206}Pb /^{204}Pb	U/Th	^{207}Pb* /^{235}U	± (%)	^{206}Pb* /^{238}U	± (%)	Error Corr.	^{206}Pb* /^{238}U	± (Ma)	^{207}Pb* /^{235}U	± (Ma)	^{206}Pb* /^{207}Pb*	± (Ma)	Best Age (Ma)	± (Ma)
123	18197	0.47	1.69057	1.5	0.16850	1.0	0.66	1003.8	9.3	1005.0	9.7	1007.4	23.3	**1007.4**	23.3
195	24835	0.48	1.66568	1.4	0.16599	1.0	0.71	990.0	9.2	995.5	9.0	1007.7	20.3	**1007.7**	20.3
919	97083	0.05	1.70133	1.8	0.16941	1.5	0.83	1008.9	13.7	1009.0	11.3	1009.4	20.3	**1009.4**	20.3
212	30899	0.43	1.72376	1.4	0.17158	1.0	0.71	1020.8	9.4	1017.4	9.1	1010.1	20.3	**1010.1**	20.3
65	9168	0.40	1.68350	2.6	0.16755	1.7	0.64	998.6	15.6	1002.3	16.8	1010.4	41.1	**1010.4**	41.1
156	17496	0.27	1.73169	2.6	0.17227	2.4	0.92	1024.6	22.7	1020.4	16.7	1011.3	20.5	**1011.3**	20.5
105	15899	0.51	1.74648	1.5	0.17369	1.1	0.75	1032.4	11.0	1025.9	9.9	1011.9	20.4	**1011.9**	20.4
103	15365	0.53	1.70210	2.2	0.16927	1.9	0.88	1008.1	18.0	1009.3	14.1	1011.9	21.3	**1011.9**	21.3
118	13855	0.49	1.64906	1.7	0.16399	1.3	0.78	978.9	12.2	989.2	10.8	1012.0	21.6	**1012.0**	21.6
47	5845	0.49	1.69226	2.1	0.16826	1.8	0.86	1002.5	17.0	1005.6	13.5	1012.3	21.6	**1012.3**	21.6
164	28978	0.47	1.79596	1.7	0.17823	1.3	0.80	1057.3	13.0	1044.0	10.9	1016.2	20.3	**1016.2**	20.3
110	15118	0.64	1.76044	1.7	0.17458	1.4	0.81	1037.3	13.4	1031.0	11.3	1017.7	20.8	**1017.7**	20.8
192	23918	0.34	1.73064	2.0	0.17160	1.8	0.87	1020.9	16.5	1020.0	13.0	1017.9	20.3	**1017.9**	20.3
40	5970	0.52	1.70959	2.5	0.16950	1.8	0.69	1009.3	16.4	1012.1	16.2	1018.1	36.8	**1018.1**	36.8
120	16800	0.42	1.69279	1.5	0.16770	1.0	0.67	999.4	9.3	1005.8	9.5	1019.8	22.3	**1019.8**	22.3
76	11352	0.45	1.76313	1.9	0.17462	1.1	0.61	1037.5	11.0	1032.0	12.1	1020.3	29.8	**1020.3**	29.8
196	25123	0.67	1.71510	1.4	0.16967	1.0	0.71	1010.3	9.4	1014.2	9.1	1022.7	20.3	**1022.7**	20.3
7	12139	0.38	1.7282	2.0	0.17093	1.7	0.86	101	15.7	1019.1	12.5	1023.1	20.4	**1023.**	20.4

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
4			9					7.3						**1**	
136	20896	0.45	1.69204	1.8	0.16729	1.5	0.83	997.2	14.0	1005.5	11.6	1023.8	20.4	**1023.8**	20.4
45	7326	0.94	1.69324	2.4	0.16694	1.2	0.50	995.2	10.8	1006.0	15.0	1029.5	41.3	**1029.5**	41.3
115	18389	0.47	1.74115	1.8	0.17164	1.5	0.84	1021.2	14.6	1023.9	11.9	1029.7	20.3	**1029.7**	20.3
151	20937	0.42	1.69511	1.4	0.16684	1.0	0.72	994.7	9.6	1006.7	9.2	1032.9	20.3	**1032.9**	20.3
119	10789	0.63	1.78823	2.0	0.17577	1.6	0.81	1043.8	15.8	1041.2	13.2	1035.6	24.3	**1035.6**	24.3
92	12666	0.35	1.83820	2.1	0.17976	1.8	0.87	1065.7	17.5	1059.2	13.5	1045.9	20.4	**1045.9**	20.4
61	8946	0.43	1.73321	2.6	0.16940	2.3	0.86	1008.8	21.2	1020.9	17.0	1047.0	27.4	**1047.0**	27.4
30	4789	0.77	1.78756	4.8	0.17425	2.8	0.59	1035.5	26.8	1040.9	31.0	1052.3	77.5	**1052.3**	77.5
88	11166	1.16	1.79752	2.5	0.17516	2.2	0.87	1040.5	21.0	1044.6	16.3	1053.0	24.8	**1053.0**	24.8
54	7896	0.77	1.83796	3.4	0.17899	2.6	0.77	1061.5	25.7	1059.1	22.4	1054.3	43.6	**1054.3**	43.6
694	82403	0.37	1.88562	2.5	0.18336	2.3	0.92	1085.3	23.0	1076.0	16.7	1057.3	20.1	**1057.3**	20.1
44	6941	0.46	1.76074	2.5	0.17101	1.9	0.73	1017.7	17.5	1031.1	16.5	1059.8	35.0	**1059.8**	35.0
71	9792	1.39	1.84554	1.5	0.17626	1.1	0.73	1046.5	10.6	1061.8	9.8	1093.5	20.3	**1093.5**	20.3
133	12070	0.55	1.95699	1.4	0.18537	1.0	0.72	1096.2	10.5	1100.9	9.7	1110.0	20.2	**1110.0**	20.2
242	33187	0.41	1.97051	1.4	0.18657	1.0	0.71	1102.8	10.1	1105.5	9.5	1110.8	20.0	**1110.8**	20.0
559	82179	0.25	2.01515	1.8	0.19021	1.5	0.82	1122.5	15.0	1120.6	12.0	1117.0	20.0	**1117.0**	20.0
81	11974	0.49	2.05797	1.6	0.19214	1.0	0.63	1133.0	10.4	1134.9	10.9	1138.7	24.8	**1138.7**	24.8
247	45356	0.41	2.10129	2.4	0.19597	2.2	0.91	1153.6	23.6	1149.2	16.8	1140.9	19.9	**1140.9**	19.9

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
365	45971	0.62	2.13983	1.4	0.19842	1.0	0.71	1166.8	10.7	1161.8	9.8	1152.3	19.9	**1152.3**	19.9
152	24790	0.39	2.09597	2.6	0.19404	2.4	0.92	1143.2	25.1	1147.5	17.8	1155.5	19.9	**1155.5**	19.9
462	9683	0.54	1.83025	2.9	0.16755	2.7	0.94	998.6	25.3	1056.4	19.2	1177.7	20.3	**1177.7**	20.3
77	14972	0.96	2.19246	1.4	0.19991	1.0	0.71	1174.8	10.7	1178.6	9.9	1185.6	19.8	**1185.6**	19.8
171	31922	0.78	2.21456	1.5	0.20190	1.1	0.75	1185.5	12.1	1185.7	10.5	1185.9	19.8	**1185.9**	19.8
49	8176	0.75	2.20195	3.7	0.20074	3.5	0.96	1179.3	37.8	1181.7	25.5	1186.0	20.3	**1186.0**	20.3
174	27936	0.79	2.20675	1.7	0.20056	1.3	0.80	1178.3	14.2	1183.2	11.6	1192.1	19.8	**1192.1**	19.8
458	77749	0.20	2.29032	1.7	0.20804	1.3	0.80	1218.4	15.0	1209.3	11.9	1193.1	19.7	**1193.1**	19.7
262	41193	0.80	2.32138	1.4	0.20985	1.0	0.71	1228.0	11.2	1218.8	10.0	1202.7	19.7	**1202.7**	19.7
195	33982	1.20	2.27626	1.4	0.20541	1.0	0.71	1204.3	11.0	1205.0	10.0	1206.1	19.7	**1206.1**	19.7
88	13166	0.83	2.24756	1.5	0.20249	1.1	0.74	1188.7	12.0	1196.0	10.5	1209.3	19.7	**1209.3**	19.7
110	19875	1.12	2.32135	1.4	0.20877	1.0	0.71	1222.3	11.1	1218.8	10.0	1212.8	19.7	**1212.8**	19.7
309	35472	0.89	2.29173	1.4	0.20597	1.0	0.71	1207.3	11.0	1209.7	10.0	1214.1	19.7	**1214.1**	19.7
454	74197	0.11	2.41966	1.4	0.21630	1.0	0.71	1262.3	11.5	1248.5	10.2	1224.6	19.6	**1224.6**	19.6
174	20547	0.51	2.28285	1.5	0.20391	1.1	0.74	1196.3	12.2	1207.0	10.6	1226.2	19.7	**1226.2**	19.7
213	27661	0.45	2.33475	1.5	0.20803	1.1	0.74	1218.3	12.3	1222.9	10.6	1231.0	19.6	**1231.0**	19.6
163	31475	0.39	2.43399	1.4	0.21652	1.0	0.71	1263.5	11.5	1252.7	10.2	1234.2	19.6	**1234.2**	19.6

DR2009238

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
94	18471	0.59	2.48030	2.1	0.22032	1.9	0.88	1283.6	21.7	1266.3	15.4	1237.1	19.9	**1237.1**	19.9
368	41606	0.58	2.42508	2.0	0.21299	1.6	0.80	1244.7	18.4	1250.1	14.6	1259.2	23.8	**1259.2**	23.8
131	23715	1.14	2.48226	1.4	0.21751	1.0	0.71	1268.7	11.5	1266.9	10.2	1263.8	19.6	**1263.8**	19.6
401	72050	0.57	2.55329	2.3	0.22139	2.1	0.90	1289.2	24.0	1287.4	16.7	1284.3	19.5	**1284.3**	19.5
386	59868	0.46	2.55967	3.4	0.22175	3.2	0.96	1291.1	37.9	1289.2	24.7	1286.0	19.5	**1286.0**	19.5
125	21636	0.88	2.63710	1.4	0.22675	1.0	0.71	1317.4	11.9	1311.1	10.4	1300.6	19.5	**1300.6**	19.5
199	11636	0.53	2.66330	2.5	0.22778	2.3	0.92	1322.8	27.9	1318.3	18.8	1311.0	19.9	**1311.0**	19.9
245	42205	0.51	2.85200	2.1	0.23396	1.9	0.88	1355.2	23.2	1369.3	16.1	1391.4	19.2	**1391.4**	19.2
256	63127	0.47	3.26208	1.7	0.25737	1.4	0.81	1476.4	17.9	1472.1	13.1	1465.9	19.0	**1465.9**	19.0
193	34624	0.47	3.39384	1.4	0.26366	1.0	0.71	1508.6	13.5	1503.0	11.1	1495.1	18.9	**1495.1**	18.9
255	42151	0.49	3.52244	1.4	0.26837	1.0	0.71	1532.5	13.6	1532.3	11.2	1531.9	18.8	**1531.9**	18.8
423	94536	0.21	3.55131	1.9	0.26894	1.6	0.85	1535.4	22.0	1538.7	15.0	1543.2	18.8	**1543.2**	18.8
162	39110	0.52	3.55352	2.6	0.26872	2.4	0.93	1534.3	33.3	1539.2	20.9	1545.9	18.8	**1545.9**	18.8
67	17831	0.59	3.69031	2.1	0.27592	1.8	0.87	1570.8	25.2	1569.3	16.6	1567.2	19.2	**1567.2**	19.2
198	3696	0.64	3.74030	4.3	0.26550	2.4	0.56	1517.9	33.1	1580.0	34.7	1664.0	66.2	**1664.0**	66.2
96	20096	0.69	4.50678	3.1	0.30851	3.0	0.95	1733.4	44.9	1732.2	25.9	1730.8	18.4	**1730.8**	18.4
246	20543	0.81	0.80724	2.0	0.09681	1.7	0.86	595.7	9.8	600.9	9.0	620.7	21.7	**595.7**	9.8

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
236	24443	1.02	1.17903	2.0	0.13078	1.7	0.87	792.3	12.9	790.9	11.0	786.7	21.0	**792.3**	12.9
19	2220	1.01	1.47539	4.1	0.15265	1.6	0.38	915.8	13.4	920.3	24.7	931.3	77.4	**931.3**	77.4
916	17153	0.46	1.57596	1.6	0.16297	1.2	0.75	973.3	11.1	960.8	10.2	932.3	22.2	**932.3**	22.2
37	5747	0.46	1.57687	3.1	0.15951	1.0	0.32	954.1	8.9	961.1	19.5	977.4	60.6	**977.4**	60.6
36	5747	0.58	1.64241	2.4	0.16608	1.7	0.70	990.5	15.7	986.6	15.4	978.1	35.5	**978.1**	35.5
70	10225	0.66	1.65861	1.7	0.16718	1.0	0.60	996.5	9.7	992.8	11.0	984.7	28.1	**984.7**	28.1
169	23710	0.34	1.72253	1.6	0.17358	1.2	0.78	1031.8	11.9	1017.0	10.3	985.1	20.4	**985.1**	20.4
32	5082	0.93	1.65613	3.8	0.16667	1.0	0.27	993.7	9.4	991.9	24.2	987.9	74.9	**987.9**	74.9
91	14592	0.61	1.63339	3.1	0.16433	2.0	0.64	980.8	17.9	983.2	19.4	988.5	48.1	**988.5**	48.1
34	5660	1.18	1.61918	2.6	0.16279	1.6	0.60	972.3	14.0	977.7	16.2	989.8	41.9	**989.8**	41.9
164	25816	0.48	1.70406	1.8	0.17129	1.5	0.84	1019.2	14.5	1010.1	11.8	990.3	20.4	**990.3**	20.4
87	13043	1.08	1.65377	1.6	0.16618	1.0	0.63	991.0	9.2	991.0	10.0	990.9	24.8	**990.9**	24.8
57	9518	0.37	1.65818	2.5	0.16653	1.6	0.64	993.0	14.5	992.7	15.5	992.0	38.2	**992.0**	38.2
313	47749	0.47	1.67926	1.4	0.16848	1.0	0.71	1003.8	9.3	1000.7	9.0	994.0	20.3	**994.0**	20.3
230	34361	0.52	1.65907	1.6	0.16640	1.2	0.77	992.2	11.0	993.0	9.9	994.7	20.4	**994.7**	20.4
94	14910	0.45	1.65066	2.1	0.16553	1.8	0.85	987.4	16.3	989.8	13.2	995.0	22.1	**995.0**	22.1
264	33038	0.93	1.70974	1.4	0.17143	1.0	0.71	1020.0	9.4	1012.2	9.1	995.4	20.4	**995.4**	20.4
214	33477	0.35	1.73272	1.5	0.17366	1.2	0.76	1032.2	11.0	1020.8	9.8	996.2	20.3	**996.2**	20.3
140	20241	1.12	1.71566	1.7	0.17194	1.3	0.77	1022.8	12.2	1014.4	10.7	996.3	21.4	**996.3**	21.4

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
112	17397	0.34	1.68178	1.4	0.16851	1.0	0.71	1003.9	9.3	1001.7	9.0	996.8	20.4	**996.8**	20.4
60	9251	0.50	1.71701	1.5	0.17191	1.0	0.65	1022.6	9.5	1014.9	9.9	998.3	23.9	**998.3**	23.9
88	14842	0.90	1.67928	2.2	0.16805	1.7	0.77	1001.4	15.5	1000.7	13.9	999.2	28.5	**999.2**	28.5
209	31259	0.45	1.67977	1.8	0.16802	1.4	0.82	1001.2	13.3	1000.9	11.2	1000.2	20.4	**1000.2**	20.4
90	13322	0.33	1.77047	1.9	0.17686	1.6	0.85	1049.8	15.6	1034.7	12.3	1002.9	20.4	**1002.9**	20.4
314	46616	0.40	1.65698	1.6	0.16541	1.2	0.78	986.8	11.4	992.2	10.1	1004.3	20.3	**1004.3**	20.3
138	22088	0.52	1.71385	1.7	0.17106	1.4	0.81	1017.9	13.1	1013.7	11.0	1004.6	20.3	**1004.6**	20.3
149	24372	0.62	1.70209	1.8	0.16986	1.4	0.82	1011.4	13.5	1009.3	11.2	1004.9	20.3	**1004.9**	20.3
73	11772	0.75	1.66875	1.7	0.16650	1.0	0.60	992.8	9.2	996.7	10.6	1005.3	27.0	**1005.3**	27.0
1678	91827	0.52	1.72654	1.4	0.17219	1.0	0.71	1024.2	9.5	1018.5	9.1	1006.2	20.3	**1006.2**	20.3
146	20865	0.46	1.66984	3.9	0.16652	3.8	0.97	992.9	34.8	997.1	24.9	1006.4	20.6	**1006.4**	20.6
84	13460	0.79	1.73938	1.5	0.17344	1.1	0.73	1031.0	10.5	1023.2	9.7	1006.6	20.8	**1006.6**	20.8
92	15814	0.51	1.66329	1.8	0.16583	1.3	0.74	989.1	12.1	994.6	11.4	1006.8	24.8	**1006.8**	24.8
50	8382	0.44	1.67503	2.4	0.16696	2.1	0.89	995.3	19.6	999.1	15.1	1007.3	21.5	**1007.3**	21.5
177	27637	0.45	1.70364	1.4	0.16977	1.0	0.71	1010.8	9.4	1009.9	9.1	1007.8	20.3	**1007.8**	20.3
75	11866	0.62	1.68374	2.4	0.16777	2.0	0.85	999.8	18.6	1002.4	15.0	1008.1	24.9	**1008.1**	24.9
145	21199	0.41	1.69653	1.4	0.16898	1.0	0.71	1006.5	9.3	1007.2	9.0	1008.8	20.3	**1008.8**	20.3
238	33403	0.27	1.74530	1.6	0.17383	1.3	0.78	1033.2	12.1	1025.4	10.4	1008.9	20.3	**1008.9**	20.3

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
102	16635	0.50	1.66241	1.8	0.16539	1.4	0.82	986.7	13.2	994.3	11.1	1011.2	20.5	**1011.2**	20.5
161	23912	0.74	1.69150	1.4	0.16813	1.0	0.70	1001.8	9.3	1005.3	9.1	1013.0	20.4	**1013.0**	20.4
63	9145	0.50	1.63290	2.3	0.16227	1.5	0.65	969.4	13.7	983.0	14.7	1013.5	35.9	**1013.5**	35.9
56	8991	0.58	1.74590	1.8	0.17345	1.4	0.79	1031.1	13.8	1025.6	11.8	1014.0	23.0	**1014.0**	23.0
60	7355	0.74	1.66550	3.0	0.16544	2.3	0.76	987.0	20.7	995.5	18.9	1014.3	39.2	**1014.3**	39.2
222	31718	0.70	1.73781	1.4	0.17258	1.0	0.71	1026.3	9.5	1022.7	9.1	1014.8	20.3	**1014.8**	20.3
136	22829	0.36	1.76178	1.4	0.17479	1.0	0.71	1038.5	9.8	1031.5	9.3	1016.8	20.3	**1016.8**	20.3
108	17889	0.42	1.68884	2.8	0.16732	2.6	0.92	997.3	24.0	1004.3	18.1	1019.6	22.6	**1019.6**	22.6
219	40992	0.37	1.77556	1.8	0.17590	1.5	0.83	1044.6	14.4	1036.6	11.7	1019.7	20.3	**1019.7**	20.3
105	16606	0.35	1.68686	1.6	0.16708	1.0	0.61	996.0	9.2	1003.6	10.5	1020.1	26.4	**1020.1**	26.4
70	13250	0.43	1.64524	1.9	0.16294	1.5	0.81	973.1	13.8	987.7	12.0	1020.3	22.8	**1020.3**	22.8
113	18375	0.38	1.74207	1.4	0.17249	1.0	0.70	1025.8	9.5	1024.2	9.2	1020.8	20.5	**1020.8**	20.5
148	21608	0.37	1.75859	2.4	0.17400	2.2	0.91	1034.1	21.1	1030.3	15.7	1022.3	20.4	**1022.3**	20.4
257	20519	0.55	1.73399	2.1	0.17131	1.9	0.88	1019.3	17.7	1021.2	13.7	1025.3	20.4	**1025.3**	20.4
201	29619	0.43	1.69653	1.9	0.16758	1.6	0.84	998.8	14.5	1007.2	11.9	1025.6	20.2	**1025.6**	20.2
64	10034	0.47	1.73414	1.7	0.17121	1.0	0.59	1018.8	9.4	1021.3	11.0	1026.7	28.0	**1026.7**	28.0
62	5889	1.21	1.66977	1.7	0.16449	1.0	0.60	981.7	9.1	997.1	10.5	1031.1	26.8	**1031.1**	26.8
120	11252	0.95	1.69142	1.5	0.16662	1.0	0.69	993.5	9.2	1005.3	9.3	1031.2	21.3	**1031.2**	21.3

DR2009238

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
120	19458	0.38	1.68673	1.9	0.16599	1.4	0.71	990.0	12.4	1003.5	12.1	1033.2	26.9	**1033.2**	26.9
53	7795	0.54	1.79329	2.6	0.17646	1.0	0.38	1047.6	9.7	1043.0	17.0	1033.4	48.5	**1033.4**	48.5
56	8888	0.72	1.74545	2.4	0.17121	2.0	0.83	1018.8	19.2	1025.5	15.8	1039.8	27.3	**1039.8**	27.3
159	17008	0.60	1.69778	2.1	0.16644	1.0	0.49	992.5	9.6	1007.7	13.6	1041.0	37.5	**1041.0**	37.5
175	31040	0.45	1.79092	1.7	0.17514	1.4	0.82	1040.4	13.5	1042.2	11.3	1045.9	20.2	**1045.9**	20.2
165	26442	0.81	1.78031	2.2	0.17352	1.9	0.88	1031.5	18.1	1038.3	14.0	1052.7	20.2	**1052.7**	20.2
110	16458	0.45	1.80483	1.6	0.17549	1.0	0.61	1042.3	9.6	1047.2	10.6	1057.5	25.9	**1057.5**	25.9
293	43314	0.29	1.90366	1.5	0.18473	1.2	0.76	1092.8	11.8	1082.4	10.2	1061.5	20.1	**1061.5**	20.1
25	4401	0.40	1.73413	4.1	0.16696	1.0	0.25	995.3	9.6	1021.3	26.7	1077.3	80.7	**1077.3**	80.7
168	24381	0.35	1.90441	1.9	0.18195	1.6	0.85	1077.6	16.3	1082.6	12.8	1092.7	20.1	**1092.7**	20.1
140	10559	0.32	2.01103	5.3	0.18683	4.6	0.86	1104.2	46.8	1119.2	36.2	1148.6	53.1	**1148.6**	53.1
52	1940	0.99	1.72095	4.2	0.15953	2.6	0.60	954.2	22.7	1016.4	27.3	1152.9	67.4	**1152.9**	67.4
102	6024	0.50	1.81135	5.6	0.16780	1.0	0.19	1000.0	9.7	1049.6	36.6	1154.2	109.1	**1154.2**	109.1
150	25456	0.54	2.12639	1.4	0.19616	1.0	0.71	1154.7	10.6	1157.4	9.8	1162.5	19.9	**1162.5**	19.9
77	15027	0.43	2.12264	1.6	0.19434	1.0	0.62	1144.9	10.5	1156.2	11.2	1177.5	25.2	**1177.5**	25.2
193	32705	0.39	2.21758	1.4	0.20038	1.0	0.71	1177.4	10.8	1186.6	9.9	1203.5	19.7	**1203.5**	19.7
373	60573	0.42	2.36454	1.6	0.21302	1.2	0.77	1244.9	13.7	1232.0	11.2	1209.4	19.7	**1209.4**	19.7
65	13284	1.32	2.30812	1.6	0.20700	1.0	0.61	1212.8	11.1	1214.8	11.6	1218.2	25.6	**1218.2**	25.6

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
345	67415	0.38	2.43274	1.4	0.21729	1.0	0.72	1267.6	11.8	1252.3	10.3	1226.2	19.6	**1226.2**	19.6
352	74874	0.43	2.29439	1.4	0.20452	1.0	0.71	1199.6	10.9	1210.6	10.0	1230.2	19.6	**1230.2**	19.6
170	29956	0.36	2.42582	2.2	0.21572	1.9	0.89	1259.2	22.2	1250.3	15.7	1234.9	19.6	**1234.9**	19.6
133	25810	0.81	2.36598	2.2	0.20966	2.0	0.89	1227.0	21.9	1232.4	15.7	1241.8	19.7	**1241.8**	19.7
85	2348	0.43	2.00988	5.6	0.17708	1.7	0.30	1051.0	16.1	1118.9	38.1	1253.1	105.0	**1253.1**	105.0
124	27086	0.62	2.68712	2.5	0.22922	2.3	0.91	1330.4	27.3	1324.9	18.4	1316.0	19.4	**1316.0**	19.4
279	45671	1.07	2.95603	1.7	0.24043	1.4	0.81	1389.0	17.3	1396.4	13.0	1407.8	19.2	**1407.8**	19.2
138	26810	0.58	3.12125	2.3	0.24942	2.0	0.90	1435.5	26.2	1437.9	17.4	1441.6	19.1	**1441.6**	19.1
131	35055	0.57	3.20353	2.0	0.25347	1.7	0.86	1456.4	22.1	1458.0	15.2	1460.4	19.0	**1460.4**	19.0
44	9471	1.59	3.20684	1.7	0.25189	1.0	0.58	1448.2	13.0	1458.8	13.4	1474.2	26.9	**1474.2**	26.9
173	44575	0.23	3.15974	1.8	0.24777	1.6	0.84	1427.0	19.9	1447.4	14.3	1477.5	19.0	**1477.5**	19.0
76	15993	0.73	3.31130	1.7	0.25897	1.0	0.58	1484.5	13.3	1483.7	13.4	1482.5	26.4	**1482.5**	26.4
87	20630	0.89	3.39865	1.4	0.26376	1.0	0.71	1509.1	13.5	1504.1	11.1	1497.1	18.9	**1497.1**	18.9
310	55523	0.49	3.34642	1.4	0.25946	1.0	0.71	1487.1	13.3	1492.0	11.1	1498.9	18.9	**1498.9**	18.9
69	18432	0.26	3.49955	1.8	0.27105	1.5	0.83	1546.1	20.7	1527.1	14.3	1500.8	18.9	**1500.8**	18.9
24	5486	0.53	3.37497	3.1	0.25952	1.1	0.36	1487.4	14.8	1498.6	24.2	1514.5	54.2	**1514.5**	54.2
87	20786	0.15	3.39159	2.6	0.25600	2.4	0.93	1469.3	32.1	1502.5	20.7	1549.5	18.8	**1549.5**	18.8
245	58016	0.35	3.82336	2.1	0.28460	1.8	0.87	1614.5	25.6	1597.7	16.5	1575.6	18.7	**1575.6**	18.7

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
245	29131	1.26	4.09359	2.0	0.29243	1.7	0.86	1653.7	24.8	1653.0	16.1	1652.2	18.6	**1652.2**	18.6
148	38860	0.55	5.16795	3.2	0.33267	3.0	0.95	1851.3	48.4	1847.4	27.0	1842.9	18.1	**1842.9**	18.1
145	37693	0.88	5.44544	1.8	0.34448	1.4	0.82	1908.2	23.8	1892.0	15.0	1874.3	18.0	**1874.3**	18.0
602	21166	0.54	0.48560	1.4	0.06313	1.0	0.70	394.6	3.8	401.9	4.7	443.9	22.7	**394.6**	3.8
469	6960	1.03	0.52966	7.1	0.06411	5.1	0.71	400.6	19.7	431.6	25.0	600.7	108.1	**400.6**	19.7
357	13618	0.58	0.51468	4.6	0.06415	4.0	0.87	400.8	15.4	421.6	15.8	536.9	50.3	**400.8**	15.4
364	3839	0.68	0.55813	6.6	0.06428	3.6	0.55	401.6	14.1	450.3	24.0	707.2	117.2	**401.6**	14.1
200	8282	0.42	0.50025	4.0	0.06451	2.6	0.66	403.0	10.3	411.9	13.6	461.8	66.9	**403.0**	10.3
494	22258	0.52	0.51427	2.6	0.06529	1.5	0.57	407.7	5.8	421.3	8.8	496.4	46.2	**407.7**	5.8
299	11708	0.35	0.49136	3.6	0.06533	2.8	0.79	408.0	11.2	405.8	12.1	393.7	49.7	**408.0**	11.2
300	13053	0.53	0.50228	2.1	0.06548	1.3	0.59	408.9	5.0	413.2	7.2	437.8	38.4	**408.9**	5.0
224	10103	0.78	0.51458	4.7	0.06548	2.7	0.57	408.9	10.6	421.5	16.3	491.2	85.8	**408.9**	10.6
346	7422	0.80	0.52503	3.3	0.06570	1.7	0.53	410.2	6.9	428.5	11.4	528.2	60.5	**410.2**	6.9
210	10014	0.56	0.49880	2.9	0.06576	1.7	0.59	410.5	6.7	410.9	9.7	412.8	51.9	**410.5**	6.7
444	9290	0.88	0.52228	2.4	0.06577	1.8	0.76	410.6	7.3	426.7	8.4	514.2	34.5	**410.6**	7.3
288	7834	0.52	0.51078	5.3	0.06583	3.5	0.66	411.0	13.9	419.0	18.3	463.2	89.1	**411.0**	13.9

DR2009238

U (ppm)	^{206}Pb/^{204}Pb	U/Th	^{207}Pb*/^{235}U	± (%)	^{206}Pb*/^{238}U	± (%)	Error Corr.	^{206}Pb*/^{238}U	± (Ma)	^{207}Pb*/^{235}U	± (Ma)	^{206}Pb*/^{207}Pb*	± (Ma)	Best Age (Ma)	± (Ma)
395	15889	0.78	0.50795	1.4	0.06597	1.0	0.70	411.8	4.0	417.1	4.9	446.2	22.9	**411.8**	4.0
244	6094	0.53	0.54463	7.3	0.06608	3.6	0.50	412.5	14.6	441.5	26.1	595.5	136.9	**412.5**	14.6
189	4608	0.77	0.54914	9.6	0.06610	4.3	0.45	412.6	17.3	444.4	34.5	612.7	184.7	**412.6**	17.3
317	7066	1.07	0.52190	3.8	0.06610	1.8	0.48	412.6	7.2	426.4	13.1	501.6	73.0	**412.6**	7.2
194	8913	0.38	0.50025	3.3	0.06616	1.7	0.50	413.0	6.6	411.9	11.2	405.8	64.3	**413.0**	6.6
140	6978	0.91	0.51069	3.2	0.06633	1.1	0.34	414.0	4.3	418.9	10.8	446.1	65.9	**414.0**	4.3
312	9340	1.69	0.51350	1.6	0.06647	1.2	0.77	414.8	4.9	420.8	5.4	453.6	22.5	**414.8**	4.9
301	11098	0.41	0.52525	7.1	0.06652	6.6	0.93	415.2	26.6	428.7	25.0	501.8	59.6	**415.2**	26.6
646	29320	0.11	0.51102	3.2	0.06662	3.0	0.95	415.8	12.1	419.1	10.9	437.7	22.4	**415.8**	12.1
544	15676	1.81	0.52198	1.5	0.06716	1.0	0.65	419.0	4.1	426.5	5.3	467.1	25.6	**419.0**	4.1
348	18494	0.55	0.51043	1.4	0.06722	1.0	0.70	419.4	4.1	418.7	4.9	415.3	22.5	**419.4**	4.1
506	2335	2.22	0.60597	4.3	0.06797	1.0	0.23	423.9	4.1	481.0	16.3	763.2	87.3	**423.9**	4.1
163	7991	0.40	0.51559	2.7	0.06822	1.9	0.70	425.4	7.9	422.2	9.4	404.6	43.5	**425.4**	7.9
72	3660	0.49	0.52875	5.3	0.06823	1.7	0.31	425.5	6.8	431.0	18.5	460.5	111.0	**425.5**	6.8
333	5728	0.26	0.56488	8.3	0.06843	2.7	0.33	426.7	11.3	454.7	30.6	598.9	171.0	**426.7**	11.3
516	24111	0.86	0.52063	1.8	0.06877	1.5	0.84	428.7	6.4	425.6	6.4	408.5	22.4	**428.7**	6.4
345	12735	0.09	0.52894	7.6	0.06913	7.4	0.97	430.9	30.7	431.1	26.7	432.0	41.5	**430.9**	30.7

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
470	11792	0.31	0.54037	2.2	0.06933	2.0	0.89	432.1	8.2	438.7	7.8	473.0	22.3	**432.1**	8.2
168	1987	0.89	0.69759	15.2	0.06961	6.2	0.41	433.8	26.0	537.3	63.7	1005.1	284.1	**433.8**	26.0
378	18315	0.78	0.53466	1.8	0.06966	1.4	0.75	434.1	5.8	434.9	6.4	439.2	26.6	**434.1**	5.8
302	17543	0.79	0.53658	3.2	0.07027	2.8	0.89	437.8	12.0	436.2	11.4	427.7	33.2	**437.8**	12.0
304	2567	1.03	0.66757	12.9	0.07028	1.8	0.14	437.8	7.4	519.2	52.6	895.6	265.3	**437.8**	7.4
544	24360	0.50	0.53554	4.1	0.07044	3.9	0.97	438.8	16.7	435.5	14.4	418.0	22.6	**438.8**	16.7
545	24639	0.20	0.56160	3.2	0.07048	2.6	0.82	439.0	11.0	452.6	11.5	521.8	39.6	**439.0**	11.0
240	3979	0.88	0.60928	10.9	0.07061	3.4	0.31	439.8	14.3	483.1	42.0	694.0	222.2	**439.8**	14.3
249	6638	0.97	0.57195	3.9	0.07140	3.6	0.91	444.6	15.4	459.3	14.5	533.4	34.9	**444.6**	15.4
819	45932	0.38	0.55821	2.4	0.07160	2.2	0.91	445.8	9.3	450.4	8.6	473.6	22.2	**445.8**	9.3
351	17441	0.37	0.56163	6.5	0.07180	6.3	0.97	447.0	27.3	452.6	23.7	480.9	33.1	**447.0**	27.3
313	15358	0.23	0.55720	2.3	0.07276	2.0	0.88	452.8	8.9	449.7	8.5	433.9	25.0	**452.8**	8.9
129	7405	0.67	0.55495	3.5	0.07397	2.5	0.72	460.0	11.2	448.2	12.7	388.1	54.5	**460.0**	11.2
161	3373	0.45	0.67780	6.7	0.07435	2.8	0.41	462.3	12.3	525.4	27.6	810.0	128.4	**462.3**	12.3
467	6259	0.27	0.69352	5.9	0.07543	2.5	0.42	468.8	11.4	534.9	24.7	827.9	112.5	**468.8**	11.4
220	8402	0.96	0.62421	3.9	0.07582	1.9	0.48	471.1	8.6	492.5	15.4	593.2	75.0	**471.1**	8.6
35	15672	1.06	0.60144	1.8	0.07649	1.3	0.70	475.1	5.8	478.1	6.9	492.5	28.4	**475.1**	5.8

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
5															
217	6604	0.69	0.65411	2.1	0.08071	1.6	0.76	500.4	7.8	511.0	8.5	558.8	29.6	**500.4**	7.8
1288	52064	0.11	0.73435	3.8	0.08901	3.6	0.96	549.7	19.1	559.1	16.1	597.7	21.7	**549.7**	19.1
131	14000	0.99	2.02137	1.8	0.18730	1.5	0.83	1106.7	15.2	1122.7	12.3	1153.8	20.0	**1153.8**	20.0
137	5171	0.56	0.81286	10.6	0.09152	5.4	0.51	564.5	29.3	604.1	48.2	755.4	191.8	**564.5**	29.3
551	51345	0.38	0.75249	1.4	0.09280	1.0	0.71	572.1	5.5	569.7	6.2	560.1	21.8	**572.1**	5.5
386	23841	1.26	0.83800	2.0	0.09973	1.8	0.87	612.8	10.4	618.0	9.5	637.2	21.6	**612.8**	10.4
59	6862	1.21	1.12382	2.8	0.12753	1.5	0.51	773.8	10.6	764.8	15.2	738.7	51.3	**773.8**	10.6
223	31755	1.08	1.47072	1.4	0.15283	1.0	0.71	916.8	8.5	918.4	8.6	922.3	20.6	**922.3**	20.6
247	33282	2.83	1.50414	1.4	0.15618	1.0	0.71	935.5	8.7	932.1	8.6	923.8	20.6	**923.8**	20.6
125	16317	0.76	1.41968	1.7	0.14641	1.1	0.65	880.8	9.2	897.2	10.3	937.9	26.8	**937.9**	26.8
138	14522	0.49	1.54836	2.0	0.15951	1.6	0.80	954.1	14.0	949.8	12.1	940.1	24.0	**940.1**	24.0
74	10366	0.49	1.52832	2.6	0.15548	1.6	0.64	931.6	14.3	941.8	15.8	965.8	40.3	**965.8**	40.3
134	19387	0.38	1.55208	1.6	0.15768	1.2	0.78	943.9	10.8	951.3	9.8	968.6	20.5	**968.6**	20.5
138	17775	2.31	1.54976	1.7	0.15717	1.3	0.72	941.0	11.0	950.4	10.8	972.1	24.7	**972.1**	24.7
67	10822	0.56	1.66978	1.8	0.16919	1.0	0.55	1007.7	9.3	997.1	11.6	973.9	31.3	**973.9**	31.3
175	21024	0.47	1.58012	2.0	0.15993	1.8	0.87	956.4	15.6	962.4	12.6	976.2	20.5	**976.2**	20.5

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
128	19354	1.05	1.61468	2.0	0.16224	1.7	0.87	969.2	15.7	975.9	12.6	991.0	20.4	**991.0**	20.4
157	19400	0.61	1.66901	1.4	0.16736	1.0	0.71	997.6	9.2	996.8	9.0	995.2	20.4	**995.2**	20.4
71	10734	0.52	1.62915	2.7	0.16287	1.5	0.55	972.7	13.3	981.5	16.8	1001.4	45.2	**1001.4**	45.2
33	3701	1.47	1.52576	4.1	0.15252	1.7	0.41	915.1	14.2	940.8	24.9	1001.5	75.1	**1001.5**	75.1
115	19448	0.75	1.65090	1.9	0.16470	1.0	0.53	982.8	9.1	989.9	11.8	1005.5	32.1	**1005.5**	32.1
286	44477	0.56	1.66300	1.5	0.16582	1.0	0.72	989.1	9.6	994.5	9.2	1006.6	20.3	**1006.6**	20.3
41	6392	0.91	1.71470	3.0	0.17087	1.0	0.34	1016.9	9.4	1014.0	19.1	1007.9	56.8	**1007.9**	56.8
120	16698	0.44	1.68620	1.6	0.16777	1.0	0.64	999.8	9.3	1003.3	9.9	1011.0	24.0	**1011.0**	24.0
45	7506	0.64	1.68440	2.1	0.16758	1.0	0.50	998.7	9.4	1002.6	13.1	1011.2	36.2	**1011.2**	36.2
381	47326	1.23	1.71735	1.8	0.17064	1.4	0.82	1015.6	13.5	1015.0	11.2	1013.7	20.3	**1013.7**	20.3
97	14745	0.54	1.74372	2.1	0.17313	1.4	0.66	1029.3	12.9	1024.8	13.3	1015.2	31.4	**1015.2**	31.4
119	18502	0.32	1.69584	1.5	0.16833	1.0	0.67	1002.9	9.3	1007.0	9.5	1015.8	22.4	**1015.8**	22.4
197	23672	0.68	1.63351	2.2	0.16213	2.0	0.89	968.6	18.0	983.2	14.1	1016.0	20.5	**1016.0**	20.5
141	21795	0.59	1.73238	1.6	0.17193	1.0	0.61	1022.7	9.5	1020.6	10.5	1016.2	26.2	**1016.2**	26.2
103	17771	0.67	1.79134	1.4	0.17776	1.0	0.71	1054.7	9.7	1042.3	9.2	1016.3	20.4	**1016.3**	20.4
107	15200	0.64	1.71923	1.9	0.17053	1.7	0.85	1015.0	15.6	1015.7	12.5	1017.3	20.5	**1017.3**	20.5
84	14112	0.57	1.69349	1.7	0.16797	1.0	0.58	1000.9	9.3	1006.1	10.9	1017.4	28.1	**1017.4**	28.1
161	22261	0.44	1.73266	2.4	0.17183	2.1	0.90	1022.2	20.2	1020.7	15.2	1017.6	20.3	**1017.6**	20.3

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
213	28810	0.69	1.77138	1.9	0.17542	1.6	0.84	1041.9	15.0	1035.0	12.1	1020.5	20.3	**1020.5**	20.3
97	13340	0.52	1.78600	2.3	0.17678	1.0	0.44	1049.4	9.7	1040.4	14.9	1021.5	41.8	**1021.5**	41.8
150	21222	0.63	1.68298	1.4	0.16653	1.0	0.71	993.0	9.2	1002.1	9.0	1022.1	20.3	**1022.1**	20.3
149	20948	0.53	1.72432	1.4	0.16992	1.0	0.71	1011.7	9.4	1017.6	9.1	1030.5	20.2	**1030.5**	20.2
82	11894	0.56	1.69555	1.8	0.16708	1.0	0.55	996.0	9.2	1006.9	11.7	1030.5	31.1	**1030.5**	31.1
117	14508	0.62	1.74028	1.8	0.17146	1.1	0.60	1020.2	10.5	1023.6	11.9	1030.8	29.9	**1030.8**	29.9
172	17948	0.54	1.79543	1.4	0.17681	1.0	0.71	1049.5	9.7	1043.8	9.2	1031.8	20.3	**1031.8**	20.3
40	5361	0.56	1.73360	2.8	0.17071	1.3	0.45	1016.0	12.0	1021.1	18.2	1032.0	51.0	**1032.0**	51.0
48	6640	0.91	1.68046	3.6	0.16521	2.0	0.54	985.7	17.9	1001.2	22.9	1035.2	61.1	**1035.2**	61.1
114	18279	0.46	1.74715	1.7	0.17078	1.2	0.71	1016.4	11.2	1026.1	10.9	1046.9	24.2	**1046.9**	24.2
97	9254	0.70	1.70486	2.7	0.16533	1.5	0.56	986.3	13.8	1010.4	17.3	1062.8	45.2	**1062.8**	45.2
29	5075	0.55	1.83913	2.4	0.17804	1.6	0.67	1056.3	15.4	1059.5	15.6	1066.3	35.3	**1066.3**	35.3
124	22367	0.39	1.85047	1.8	0.17897	1.5	0.83	1061.3	14.8	1063.6	12.0	1068.2	20.2	**1068.2**	20.2
78	9949	0.86	1.99327	2.8	0.19101	2.4	0.84	1126.8	24.8	1113.2	19.2	1086.7	30.7	**1086.7**	30.7
143	22541	0.58	1.90025	2.4	0.18046	2.1	0.91	1069.5	21.2	1081.2	15.8	1104.8	20.1	**1104.8**	20.1
111	7728	0.55	1.71953	3.2	0.16292	1.0	0.31	973.0	9.0	1015.8	20.8	1109.5	61.7	**1109.5**	61.7
39	2707	0.68	1.58670	4.4	0.14976	1.3	0.29	899.6	10.9	965.0	27.7	1117.0	84.9	**1117.0**	84.9
344	43610	0.26	1.90656	4.6	0.17962	4.5	0.98	1064.9	44.5	1083.4	31.0	1120.7	20.0	**1120.7**	20.0

DR2009238

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
283	39818	0.78	1.97587	1.9	0.18583	1.6	0.85	1098.8	16.6	1107.3	13.0	1124.1	19.9	**1124.1**	19.9
33	5649	2.42	2.13933	4.5	0.20064	1.9	0.41	1178.8	20.2	1161.6	31.2	1129.8	81.8	**1129.8**	81.8
473	75056	0.43	2.01553	1.4	0.18790	1.0	0.71	1110.0	10.2	1120.8	9.6	1141.7	19.9	**1141.7**	19.9
351	55514	0.56	2.00074	1.4	0.18652	1.0	0.71	1102.5	10.1	1115.8	9.6	1141.7	19.9	**1141.7**	19.9
72	10416	0.86	2.01244	4.0	0.18641	3.7	0.93	1101.9	37.7	1119.7	27.0	1154.4	28.4	**1154.4**	28.4
101	18146	0.54	2.21199	1.5	0.20395	1.0	0.69	1196.5	10.9	1184.8	10.2	1163.6	20.9	**1163.6**	20.9
510	63365	0.25	2.20145	1.4	0.20265	1.0	0.71	1189.5	10.9	1181.5	9.9	1166.8	19.8	**1166.8**	19.8
54	9368	0.81	2.15576	1.4	0.19737	1.0	0.70	1161.2	10.6	1166.9	9.9	1177.5	20.3	**1177.5**	20.3
212	25338	0.86	2.16379	6.1	0.19802	5.9	0.98	1164.7	63.3	1169.5	42.3	1178.4	25.8	**1178.4**	25.8
82	12200	0.59	2.21011	2.6	0.20128	2.4	0.91	1182.2	25.6	1184.2	18.3	1188.0	22.0	**1188.0**	22.0
92	15858	0.60	2.22214	1.7	0.20236	1.0	0.61	1188.0	11.3	1188.0	12.0	1188.1	26.9	**1188.1**	26.9
282	45866	0.81	2.24794	1.4	0.20471	1.0	0.71	1200.5	11.0	1196.1	9.9	1188.2	19.8	**1188.2**	19.8
379	56661	0.18	2.34378	2.5	0.21314	2.3	0.91	1245.5	25.5	1225.7	17.6	1190.9	19.7	**1190.9**	19.7
150	27127	0.75	2.25573	1.7	0.20433	1.3	0.79	1198.5	14.3	1198.6	11.6	1198.6	19.8	**1198.6**	19.8
174	24551	0.69	2.26100	3.1	0.20386	3.0	0.95	1196.0	32.3	1200.2	22.0	1207.8	19.7	**1207.8**	19.7
75	12962	1.26	2.28693	1.9	0.20611	1.0	0.51	1208.0	11.0	1208.3	13.8	1208.6	33.0	**1208.6**	33.0
93	17233	0.53	2.22312	1.6	0.20013	1.0	0.64	1176.0	10.7	1188.4	11.0	1210.9	23.9	**1210.9**	23.9
107	21196	0.63	2.25893	1.4	0.20330	1.0	0.71	1193.0	10.9	1199.6	10.0	1211.4	19.7	**1211.4**	19.7

DR2009238

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
74	11474	1.19	2.19427	2.3	0.19711	1.8	0.79	1159.8	19.3	1179.2	16.0	1215.1	27.6	**1215.1**	27.6
316	46773	0.61	2.24180	1.4	0.20073	1.0	0.72	1179.2	11.1	1194.2	10.1	1221.4	19.7	**1221.4**	19.7
106	21558	0.59	2.35327	1.5	0.21034	1.1	0.75	1230.6	12.8	1228.5	10.8	1224.9	19.7	**1224.9**	19.7
102	16985	0.72	2.29355	1.4	0.20481	1.0	0.72	1201.1	11.3	1210.3	10.2	1226.7	19.7	**1226.7**	19.7
185	16318	4.01	2.30670	1.8	0.20580	1.5	0.83	1206.4	16.3	1214.3	12.7	1228.5	19.8	**1228.5**	19.8
124	26619	0.46	2.43824	1.5	0.21728	1.0	0.68	1267.5	11.5	1254.0	10.6	1230.8	21.1	**1230.8**	21.1
648	107071	0.39	2.39517	1.4	0.21281	1.0	0.71	1243.8	11.3	1241.2	10.1	1236.6	19.6	**1236.6**	19.6
122	19515	1.19	2.40282	1.4	0.21263	1.0	0.71	1242.8	11.3	1243.4	10.2	1244.5	19.6	**1244.5**	19.6
47	9366	0.78	2.33989	2.4	0.20599	1.0	0.42	1207.4	11.0	1224.5	17.1	1254.6	42.6	**1254.6**	42.6
56	11218	0.93	2.56300	1.6	0.22173	1.3	0.79	1291.0	15.0	1290.1	11.9	1288.7	19.7	**1288.7**	19.7
262	36048	0.84	2.58545	1.4	0.22149	1.0	0.72	1289.7	12.1	1296.5	10.6	1307.8	19.5	**1307.8**	19.5
232	36087	1.35	2.63935	1.6	0.22424	1.2	0.77	1304.2	14.1	1311.7	11.5	1323.8	19.4	**1323.8**	19.4
137	33160	1.04	2.95094	1.4	0.23896	1.0	0.72	1381.3	13.0	1395.1	11.0	1416.3	19.1	**1416.3**	19.1
80	15222	1.27	3.25712	2.3	0.25643	2.0	0.86	1471.5	26.6	1470.9	18.2	1469.9	22.6	**1469.9**	22.6
112	20230	0.97	3.30170	1.7	0.25419	1.4	0.81	1460.1	18.2	1481.5	13.4	1512.2	18.9	**1512.2**	18.9
304	57973	0.46	3.46677	1.6	0.26517	1.2	0.77	1516.2	16.4	1519.7	12.4	1524.5	18.9	**1524.5**	18.9
262	49636	0.52	3.51198	1.4	0.26824	1.0	0.71	1531.9	13.6	1529.9	11.2	1527.2	18.8	**1527.2**	18.8
4	80926	0.72	3.4551	1.7	0.26378	1.4	0.82	150	19.0	1517.0	13.6	1528.1	18.8	**1528.**	18.8

U (ppm)	^{206}Pb/^{204}Pb	U/Th	^{207}Pb*/^{235}U	± (%)	^{206}Pb*/^{238}U	± (%)	Error Corr.	^{206}Pb*/^{238}U	± (Ma)	^{207}Pb*/^{235}U	± (Ma)	^{206}Pb*/^{207}Pb*	± (Ma)	Best Age (Ma)	± (Ma)
02			6					9.1						**1**	
381	77865	0.64	3.58800	1.8	0.27319	1.4	0.82	1556.9	20.0	1546.9	14.0	1533.1	18.8	**1533.1**	18.8
330	61494	0.69	3.39287	1.7	0.25759	1.4	0.81	1477.5	18.1	1502.8	13.3	1538.5	18.8	**1538.5**	18.8
310	68822	0.56	3.51266	1.5	0.26589	1.1	0.75	1519.9	15.2	1530.1	11.9	1544.1	18.8	**1544.1**	18.8
257	52542	0.72	3.69929	1.9	0.27962	1.7	0.86	1589.4	23.3	1571.2	15.5	1546.8	18.8	**1546.8**	18.8
70	14475	1.06	3.60596	1.5	0.26914	1.1	0.72	1536.4	14.5	1550.8	11.7	1570.5	19.3	**1570.5**	19.3
298	40313	0.87	3.53089	3.5	0.26335	1.4	0.40	1507.0	18.7	1534.2	27.3	1571.9	59.2	**1571.9**	59.2
90	20815	1.16	3.74888	1.4	0.27865	1.0	0.71	1584.6	14.0	1581.9	11.4	1578.2	18.8	**1578.2**	18.8
77	15933	1.53	3.72789	1.9	0.27403	1.6	0.82	1561.2	21.5	1577.4	15.2	1599.0	20.4	**1599.0**	20.4
275	62102	0.58	4.33490	1.4	0.29880	1.0	0.71	1685.3	14.8	1700.0	11.7	1718.2	18.4	**1718.2**	18.4
64	20710	0.69	4.54805	1.4	0.30777	1.0	0.71	1729.7	15.2	1739.8	11.8	1751.9	18.4	**1751.9**	18.4
183	16118	1.33	4.91324	2.6	0.31523	2.4	0.92	1766.4	37.5	1804.5	22.2	1848.8	18.1	**1848.8**	18.1
55	17924	1.23	5.60561	1.4	0.35176	1.0	0.71	1943.0	16.8	1917.0	12.2	1888.9	18.0	**1888.9**	18.0
100	30657	1.49	5.19535	1.9	0.32506	1.6	0.84	1814.4	24.9	1851.9	15.9	1894.2	18.0	**1894.2**	18.0
113	5948	0.61	1.22156	3.8	0.12071	3.2	0.85	734.6	22.4	810.5	21.3	1024.9	41.3	**734.6**	22.4
80	3746	0.85	1.23856	5.0	0.12299	4.3	0.87	747.7	30.3	818.2	27.9	1015.0	50.4	**747.7**	30.3
266	30374	0.65	1.49386	1.5	0.15505	1.0	0.68	929.2	8.7	927.9	9.0	924.8	22.2	**924.8**	22.2
23	24182	0.60	1.42956	3.2	0.14628	3.0	0.93	880.1	24.6	901.4	19.1	953.9	23.6	**953.9**	23.6

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^{*}/^{235}U$	± (%)	$^{206}Pb^{*}/^{238}U$	± (%)	Error Corr.	$^{206}Pb^{*}/^{238}U$	± (Ma)	$^{207}Pb^{*}/^{235}U$	± (Ma)	$^{206}Pb^{*}/^{207}Pb^{*}$	± (Ma)	Best Age (Ma)	± (Ma)
3															
127	12600	0.79	1.50277	2.1	0.15294	1.4	0.67	917.4	12.0	931.5	12.7	965.0	31.3	**965.0**	31.3
157	23389	0.24	1.58011	2.0	0.16036	1.6	0.77	958.8	14.1	962.4	12.7	970.8	26.6	**970.8**	26.6
77	7617	1.40	1.45521	2.6	0.14761	1.5	0.58	887.6	12.4	912.0	15.4	971.7	42.4	**971.7**	42.4
131	13169	0.31	1.41316	1.7	0.14307	1.2	0.74	862.0	10.0	894.5	9.9	975.6	22.6	**975.6**	22.6
60	6603	0.48	1.44515	5.8	0.14591	5.4	0.93	878.0	44.2	907.9	34.7	981.2	42.7	**981.2**	42.7
470	37979	0.80	1.52572	1.6	0.15382	1.3	0.79	922.4	11.1	940.8	10.0	984.1	20.4	**984.1**	20.4
152	24150	0.36	1.65534	1.8	0.16665	1.3	0.76	993.6	12.4	991.6	11.2	987.1	23.3	**987.1**	23.3
297	20092	0.83	1.42253	1.8	0.14294	1.5	0.83	861.3	12.2	898.4	10.8	991.0	20.4	**991.0**	20.4
351	46780	0.40	1.67446	1.4	0.16802	1.0	0.71	1001.2	9.3	998.9	9.0	993.7	20.3	**993.7**	20.3
55	7136	0.61	1.59196	2.7	0.15961	1.4	0.53	954.6	12.5	967.1	16.7	995.5	46.4	**995.5**	46.4
224	25482	0.34	1.51574	2.6	0.15184	2.3	0.89	911.3	19.6	936.8	15.7	997.2	23.4	**997.2**	23.4
219	47649	0.53	1.64132	1.4	0.16435	1.0	0.71	980.9	9.1	986.2	8.9	998.0	20.3	**998.0**	20.3
59	9084	0.99	1.65327	3.0	0.16517	1.0	0.33	985.4	9.1	990.8	19.1	1002.7	57.9	**1002.7**	57.9
241	23136	0.49	1.56609	1.5	0.15627	1.1	0.72	936.0	9.2	956.9	9.0	1005.1	20.4	**1005.1**	20.4
197	34221	0.44	1.70005	1.9	0.16957	1.6	0.84	1009.7	14.6	1008.5	11.9	1006.0	20.3	**1006.0**	20.3
355	36670	0.96	1.65396	1.4	0.16476	1.0	0.71	983.2	9.3	991.1	9.0	1008.6	20.3	**1008.6**	20.3
355	35468	0.52	1.60630	2.3	0.16000	2.0	0.90	956.8	18.0	972.7	14.1	1008.7	20.3	**1008.7**	20.3

U (ppm)	$^{206}Pb/^{204}Pb$	U/Th	$^{207}Pb^*/^{235}U$	± (%)	$^{206}Pb^*/^{238}U$	± (%)	Error Corr.	$^{206}Pb^*/^{238}U$	± (Ma)	$^{207}Pb^*/^{235}U$	± (Ma)	$^{206}Pb^*/^{207}Pb^*$	± (Ma)	Best Age (Ma)	± (Ma)
686	55454	0.51	1.66197	1.7	0.16547	1.3	0.79	987.1	12.0	994.1	10.5	1009.7	20.3	**1009.7**	20.3
170	20053	0.54	1.55666	1.7	0.15477	1.3	0.72	927.6	10.9	953.1	10.7	1012.5	24.2	**1012.5**	24.2
219	30381	0.85	1.63453	1.4	0.16240	1.0	0.71	970.1	9.0	983.6	8.9	1013.8	20.3	**1013.8**	20.3
157	22045	0.46	1.68322	1.8	0.16711	1.5	0.83	996.2	14.1	1002.2	11.6	1015.4	20.3	**1015.4**	20.3
120	17965	0.43	1.72979	1.4	0.17168	1.0	0.71	1021.4	9.4	1019.7	9.1	1016.0	20.4	**1016.0**	20.4
83	11224	0.81	1.70569	2.1	0.16927	1.3	0.62	1008.1	11.9	1010.7	13.3	1016.2	33.2	**1016.2**	33.2
125	20037	0.65	1.66642	1.5	0.16523	1.1	0.74	985.8	10.1	995.8	9.5	1018.0	20.4	**1018.0**	20.4
1307	42453	0.31	1.58601	5.1	0.15714	4.6	0.91	940.9	40.6	964.7	31.9	1019.5	43.7	**1019.5**	43.7
258	34528	0.31	1.73577	3.8	0.17187	3.7	0.96	1022.4	34.8	1021.9	24.6	1020.8	20.3	**1020.8**	20.3
208	13825	0.40	1.53678	1.9	0.15192	1.6	0.85	911.7	13.9	945.2	11.8	1024.1	20.3	**1024.1**	20.3
212	29164	1.32	1.71841	1.6	0.16957	1.2	0.74	1009.7	10.9	1015.4	10.1	1027.7	21.5	**1027.7**	21.5
95	16133	0.57	1.73242	1.9	0.17090	1.2	0.62	1017.1	10.9	1020.7	12.0	1028.3	29.5	**1028.3**	29.5
39	3285	0.71	1.29446	6.9	0.12719	2.4	0.35	771.8	17.7	843.3	39.4	1036.3	130.0	**1036.3**	130.0
101	14391	0.77	1.80370	1.6	0.17696	1.0	0.63	1050.3	9.7	1046.8	10.4	1039.4	25.0	**1039.4**	25.0
53	7748	0.44	1.70790	2.7	0.16750	1.3	0.46	998.3	11.6	1011.5	17.3	1040.1	48.2	**1040.1**	48.2
80	9459	0.36	1.55218	5.8	0.15191	5.4	0.93	911.7	46.2	951.4	35.9	1044.3	41.8	**1044.3**	41.8
115	13118	0.40	1.50166	2.7	0.14692	2.2	0.82	883.7	17.9	931.1	16.2	1045.0	31.0	**1045.0**	31.0
1	9472	0.46	1.5631	2.2	0.15289	1.4	0.65	917	12.2	955.7	13.7	1045.6	34.2	**1045.**	34.2

U (ppm)	^{206}Pb/^{204}Pb	U/Th	^{207}Pb*/^{235}U	± (%)	^{206}Pb*/^{238}U	± (%)	Error Corr.	^{206}Pb*/^{238}U	± (Ma)	^{207}Pb*/^{235}U	± (Ma)	^{206}Pb*/^{207}Pb*	± (Ma)	Best Age (Ma)	± (Ma)
40			7					.1						**6**	
90	12481	0.55	1.65120	2.1	0.16131	1.0	0.48	964.1	9.0	990.0	13.2	1047.9	37.0	**1047.9**	37.0
62	6766	0.56	1.64877	1.7	0.16103	1.0	0.58	962.5	8.9	989.1	11.0	1048.5	28.7	**1048.5**	28.7
218	15931	0.32	1.64474	1.8	0.16055	1.3	0.72	959.8	11.6	987.5	11.4	1049.6	25.1	**1049.6**	25.1
212	9860	0.90	1.69373	3.5	0.16447	2.5	0.71	981.6	22.3	1006.2	22.2	1060.1	49.6	**1060.1**	49.6
125	9619	0.53	1.68239	3.5	0.16305	2.2	0.64	973.7	20.0	1001.9	22.1	1064.0	53.7	**1064.0**	53.7
99	8105	0.40	1.68901	4.2	0.16260	3.9	0.94	971.2	35.5	1004.4	26.7	1077.5	28.4	**1077.5**	28.4
87	4023	0.61	1.51804	2.4	0.14565	1.0	0.41	876.6	8.2	937.7	14.9	1084.2	44.4	**1084.2**	44.4
44	5588	0.73	1.73609	2.7	0.16462	1.1	0.41	982.4	10.0	1022.0	17.3	1107.8	49.0	**1107.8**	49.0
189	20200	0.44	2.04361	1.7	0.18774	1.4	0.80	1109.1	13.8	1130.2	11.5	1170.8	19.8	**1170.8**	19.8
213	18206	0.51	2.05995	3.8	0.18883	3.7	0.96	1115.1	37.8	1135.6	26.1	1175.1	19.8	**1175.1**	19.8

SUPPLEMENTARY REFERENCES

Stacey, J.S., and Kramers, J.D., 1975, Approximation of terrestrial lead isotope evolution by a two-stage model: Earth and Planetary Science Letters, v. 26, p. 207-221.