

Electronic supplementary information

- i. Figure captions for iCAP-Qc CL, Raman and LA-ICPMS images
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- iii. Table 1. All U-Pb zircon data for the Agilent 7900 (sessions 4-9) and the iCAP-Qc (sessions 1-3)

Figure captions

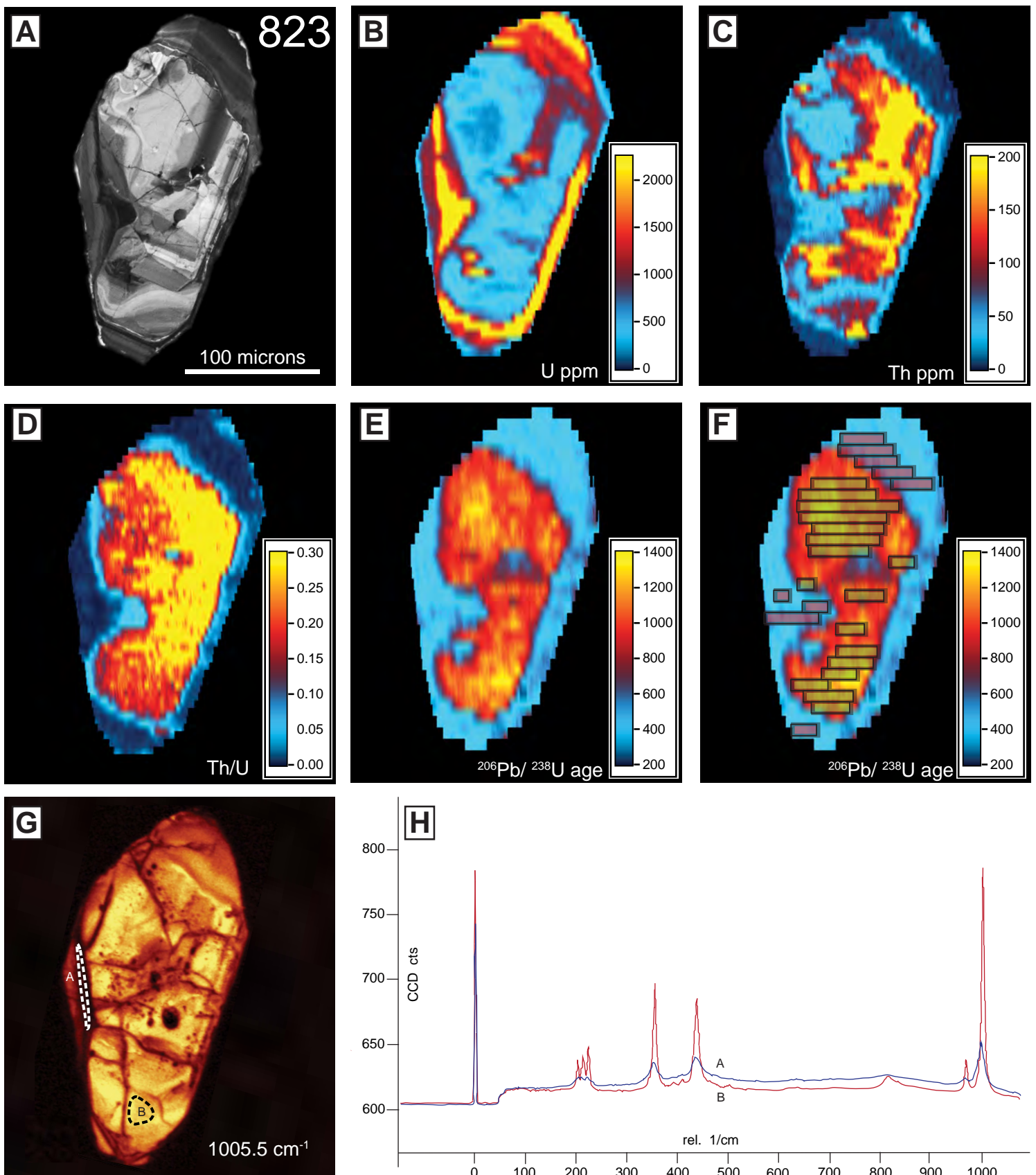
Figure 1. Zircon 823 from leucosome sample DC 05/5-7. (A) CL image. (B-E) iCAP Qc LA-ICPMS U ppm, Th ppm, Th/U ratio and $^{206}\text{Pb}/^{238}\text{U}$ image maps. (F) $^{206}\text{Pb}/^{238}\text{U}$ image map with concordant portions of the U/Pb signal denoted. (G) Raman peak intensity map at the 1005.5 cm^{-1} band. (H) Raman spectra of a representative metamict subdomain (trace A) and crystalline subdomain (trace B) from this sample.

Figure 2. Zircon 822 from leucosome sample DC 05/5-7. (A) CL image. (B-E) iCAP Qc LA-ICPMS U ppm, Th ppm, Th/U ratio and $^{206}\text{Pb}/^{238}\text{U}$ image maps. (F) $^{206}\text{Pb}/^{238}\text{U}$ image map with concordant portions of the U/Pb signal denoted. (G-H) Raman peak intensity maps at the 439.8 cm^{-1} and 1005.5 cm^{-1} bands. (I) Raman spectra of a representative metamict subdomain (trace A) and crystalline subdomain (trace B) from this sample.

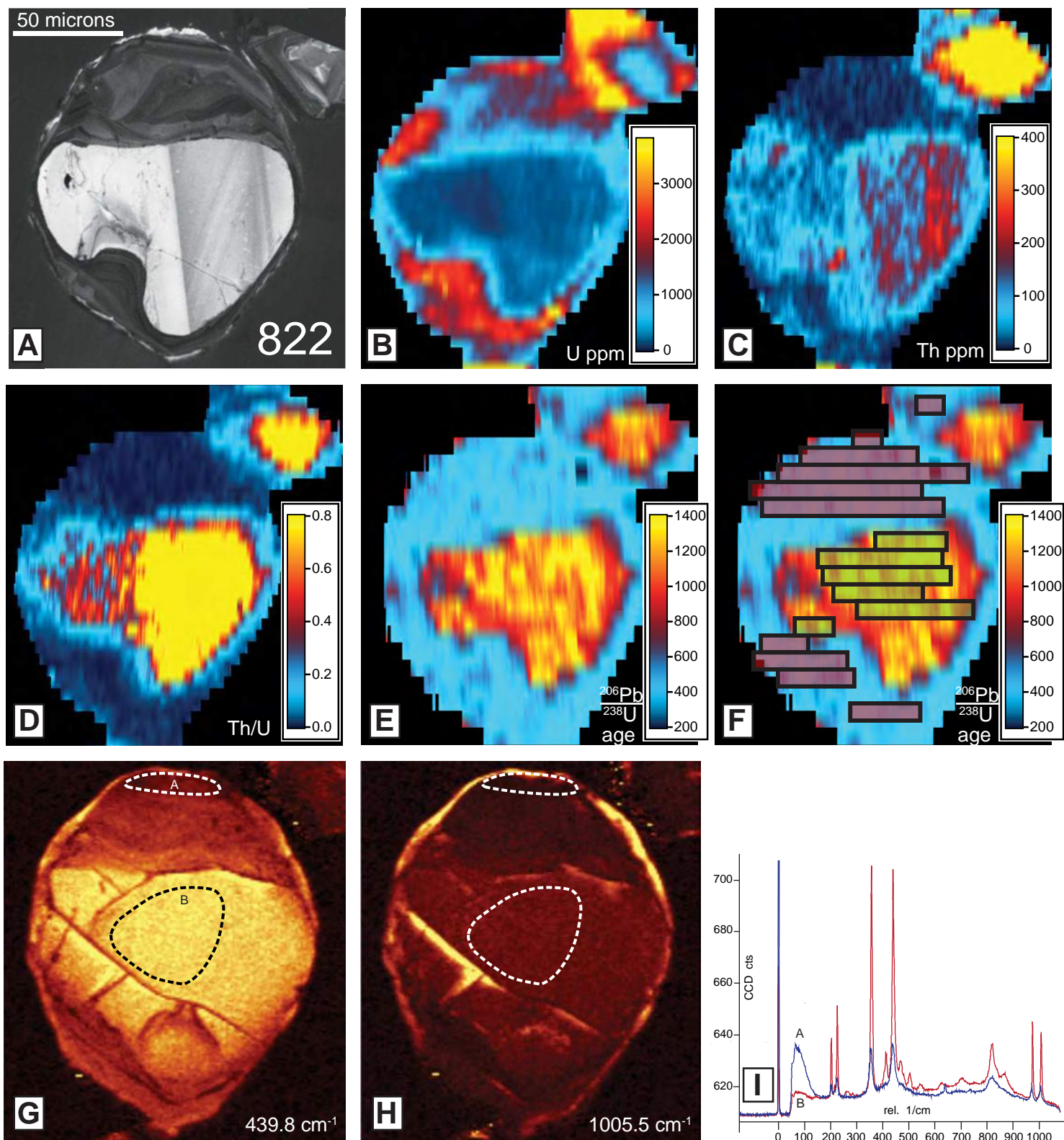
Figure 3. Zircon 820 from leucosome sample DC 05/5-7. (A) CL image. (B-E) iCAP Qc LA-ICPMS U ppm, Th ppm, Th/U ratio and $^{206}\text{Pb}/^{238}\text{U}$ image maps. (F) $^{206}\text{Pb}/^{238}\text{U}$ image map with concordant portions of the U/Pb signal denoted. (G) CL image acquired after LA-ICPMS image mapping. (H) Raman peak intensity map at the 1005.5 cm^{-1} band. (I) Raman spectra of a representative metamict subdomain (trace A) and crystalline subdomain (trace B) from this sample.

Figure 4. Zircon 809 from syn-tectonic granitoid sample DC 04/5-2. (A) CL image. (B-E) iCAP Qc LA-ICPMS U ppm, Th ppm, Th/U ratio and $^{206}\text{Pb}/^{238}\text{U}$ image maps. (F) $^{206}\text{Pb}/^{238}\text{U}$ image map with concordant portions of the U/Pb signal denoted. (G-H) Raman peak intensity maps at the 1005.5 cm^{-1} and 439.8 cm^{-1} bands. (I) Raman spectra of a representative metamict subdomain (trace A) and crystalline subdomain (trace B) from this sample.

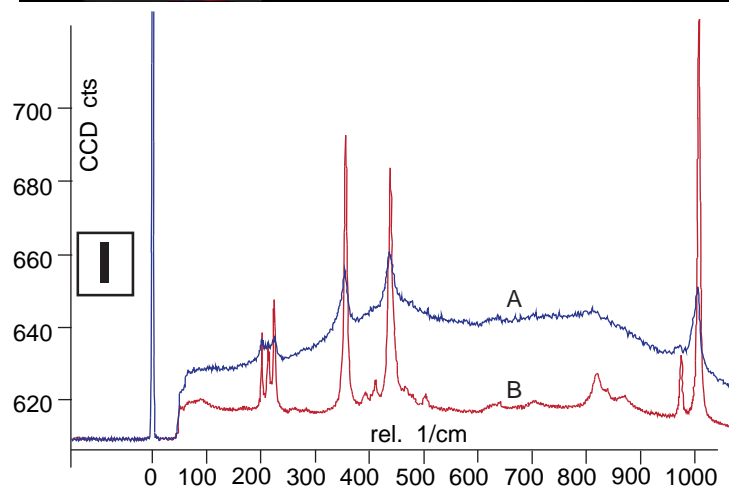
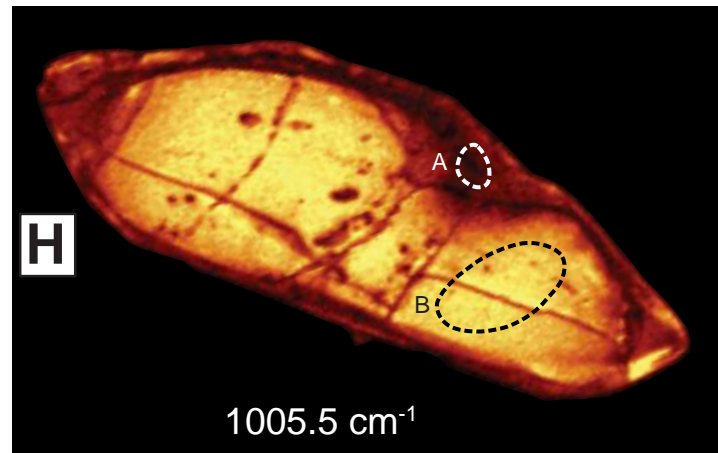
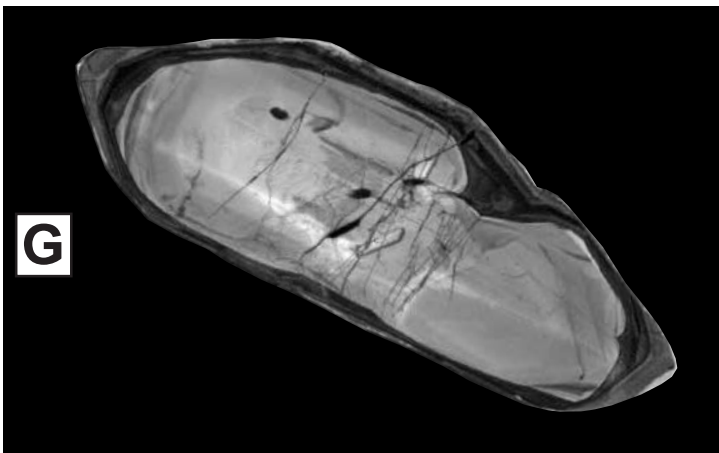
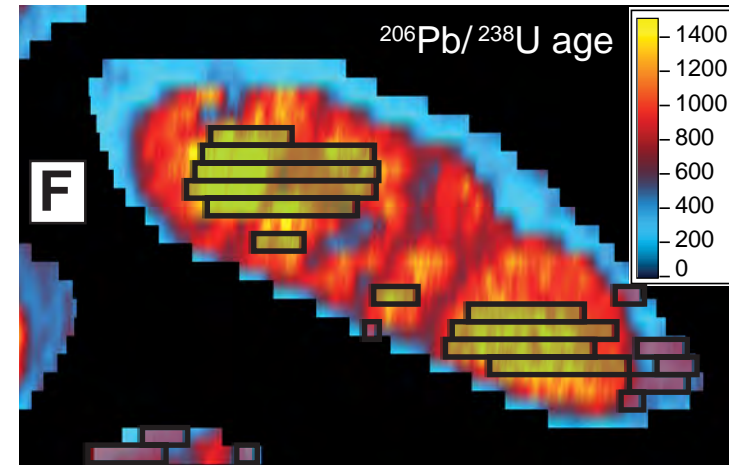
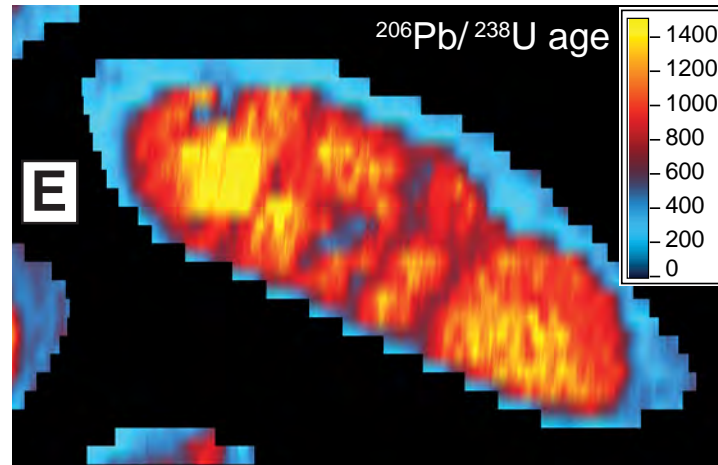
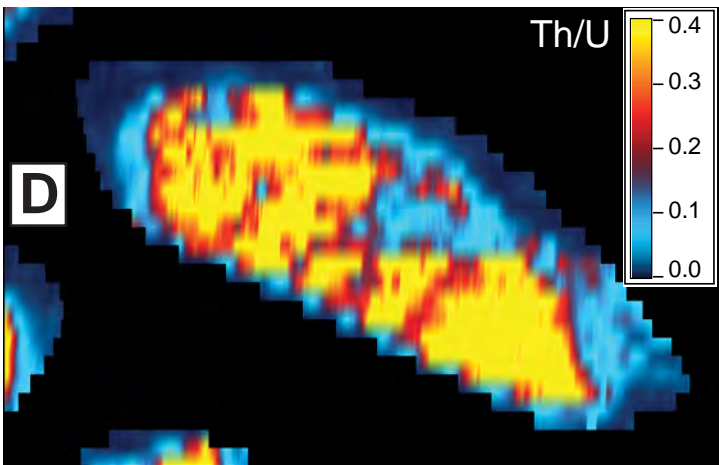
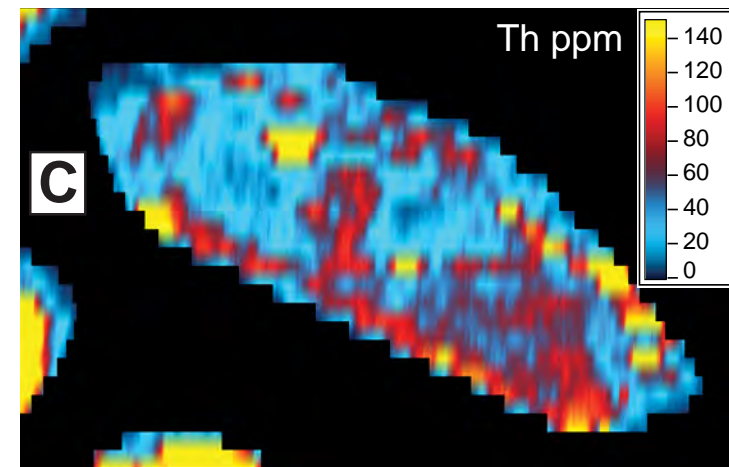
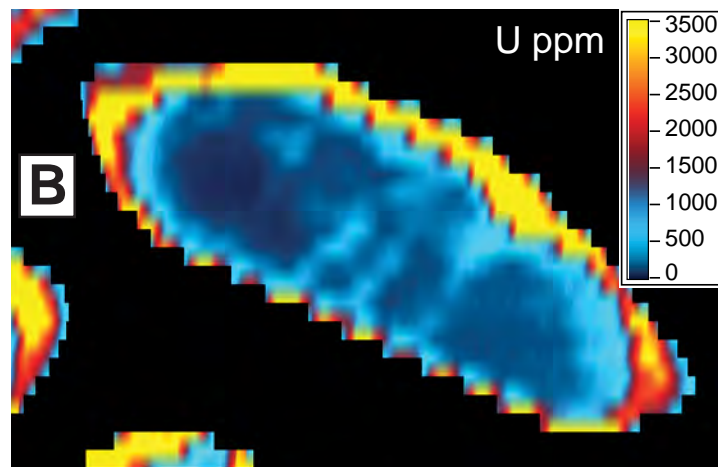
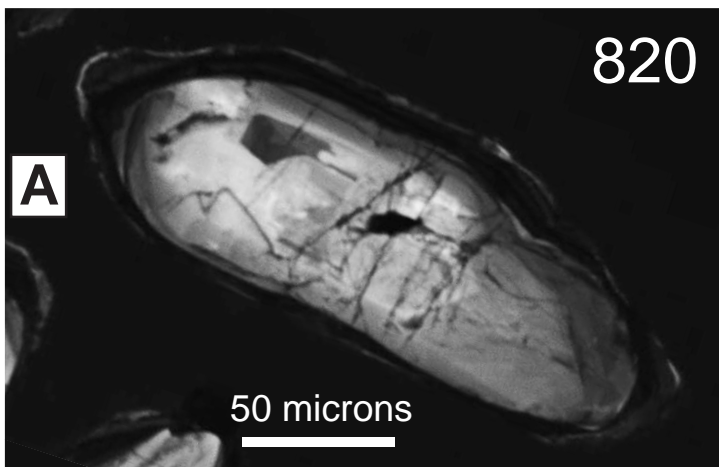
Figure 5. Zircon 812 from syn-tectonic granitoid sample DC 04/5-2. (A) CL image. (B-E) iCAP Qc LA-ICPMS U ppm, Th ppm, Th/U ratio and $^{206}\text{Pb}/^{238}\text{U}$ image maps. (F) $^{206}\text{Pb}/^{238}\text{U}$ image map with concordant portions of the U/Pb signal denoted. (G-H) Raman peak intensity maps at the 1005.5 cm^{-1} and 439.8 cm^{-1} bands. (I) Raman spectra of a representative metamict subdomain (trace A) and crystalline subdomain (trace B) from this sample.



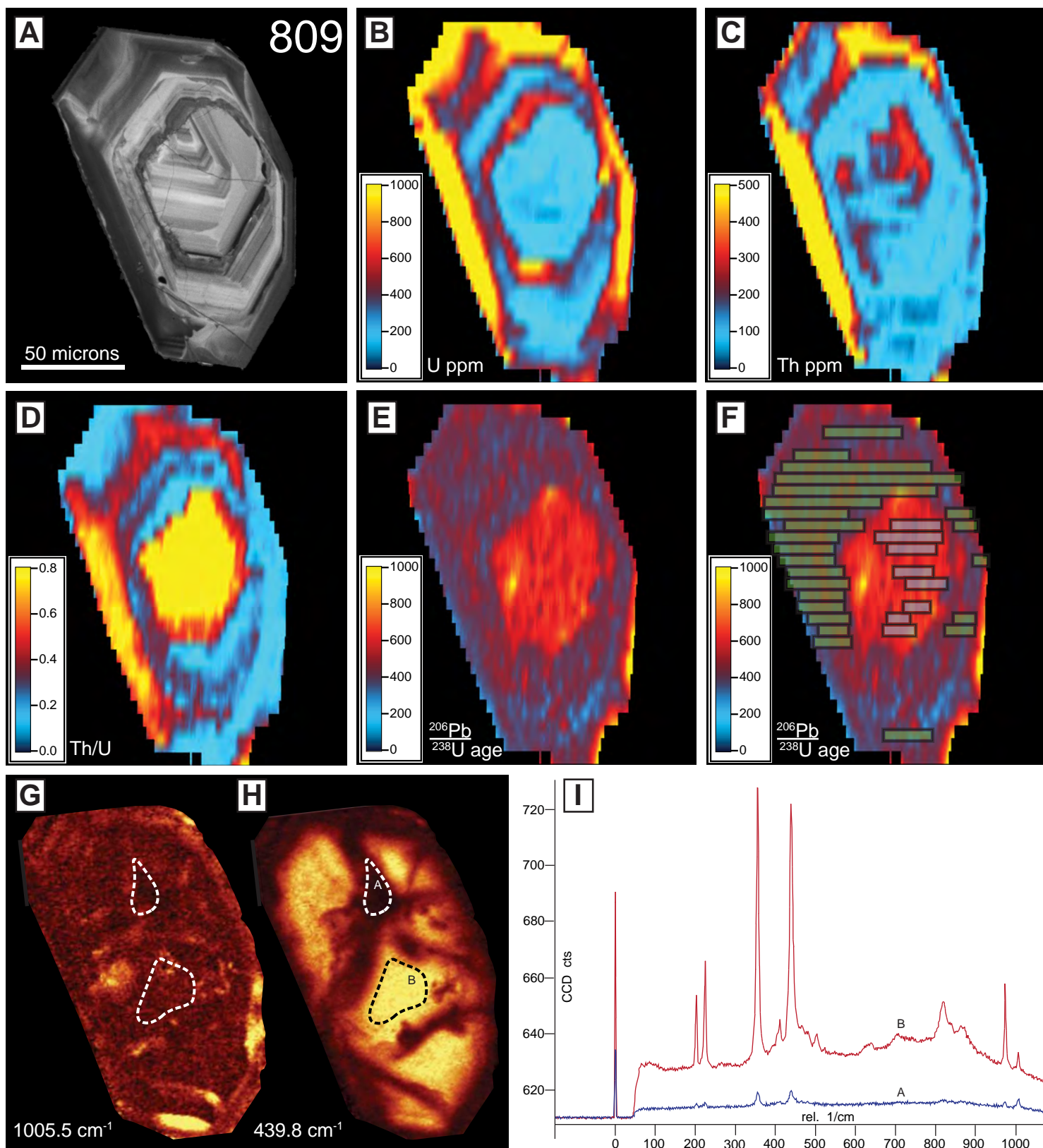
Electronic supplementary information: Figure 1



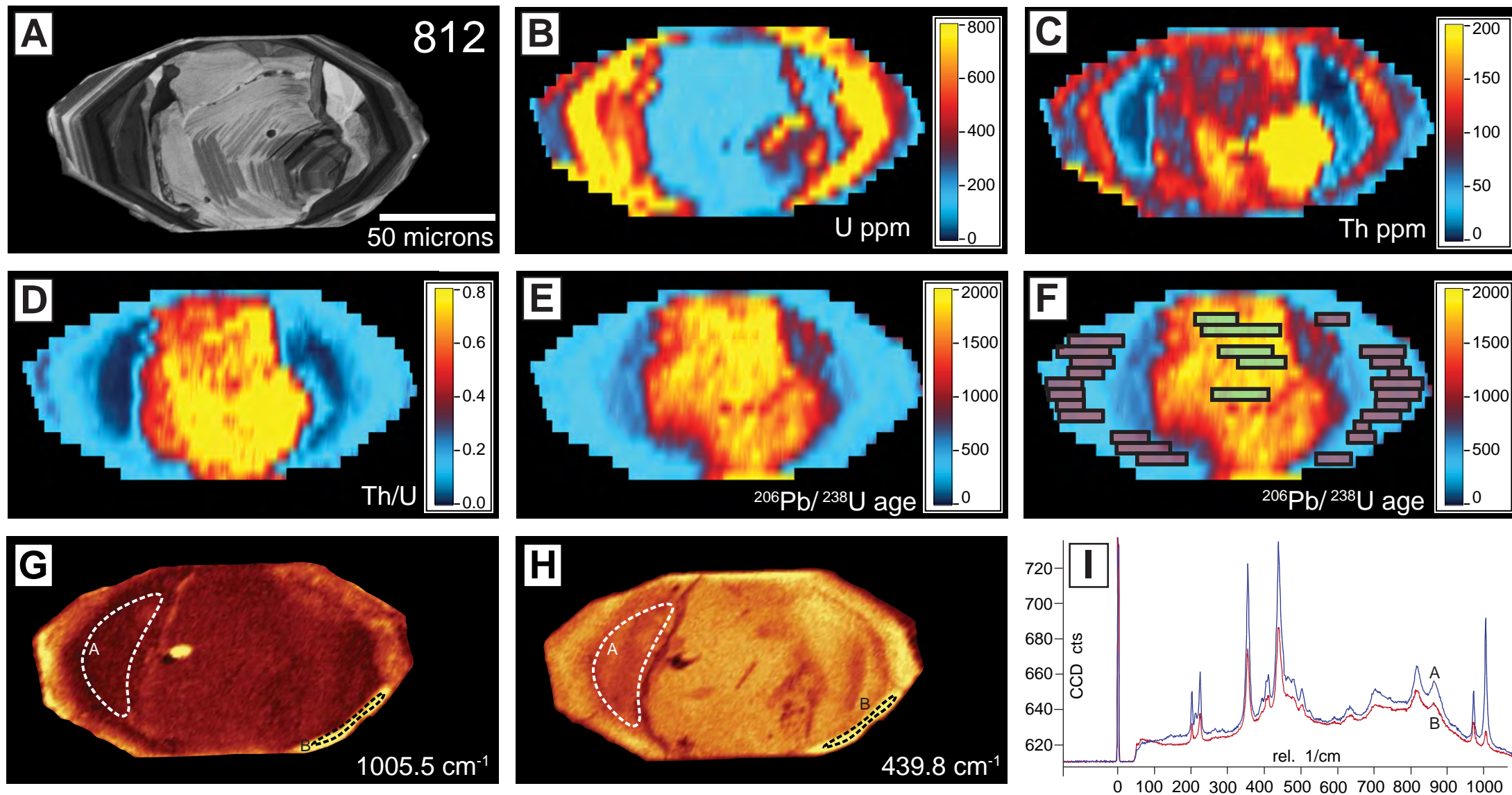
Electronic supplementary information: Figure 2



Electronic supplementary information: Figure 3



Electronic supplementary information: Figure 4



Electronic supplementary information: Figure 5

Electronic Supplement Table 1. All U-Pb zircon data for the Agilent 7900 (sessions 4-9) and the iCAP Qc (sessions 1-3)

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
Plešovice	4 (Agilent)	0.40	0.013	0.0536	0.0008	0.29	18.69	0.29	0.0533	0.0017	0.19	336.3	5.2	339.5	11.1	341.6	10.9	0.9
Plešovice	4 (Agilent)	0.39	0.013	0.0540	0.0010	0.28	18.62	0.36	0.0511	0.0017	0.29	339.0	6.3	335.1	11.1	245.3	8.2	-1.2
Plešovice	4 (Agilent)	0.40	0.010	0.0542	0.0007	0.37	18.50	0.24	0.0533	0.0012	0.19	340.1	4.5	341.4	8.1	341.6	7.7	0.4
Plešovice	4 (Agilent)	0.40	0.011	0.0540	0.0007	0.34	18.59	0.25	0.0531	0.0014	0.15	338.8	4.5	339.5	9.4	333.1	8.8	0.2
Plešovice	4 (Agilent)	0.40	0.009	0.0543	0.0007	0.26	18.48	0.23	0.0532	0.0012	0.31	340.6	4.4	339.3	7.5	337.3	7.6	-0.4
Plešovice	4 (Agilent)	0.41	0.013	0.0539	0.0009	0.50	18.49	0.34	0.0539	0.0015	0.08	338.5	5.9	345.3	11.1	366.9	10.2	2.0
Plešovice	4 (Agilent)	0.40	0.011	0.0541	0.0009	0.49	18.48	0.32	0.0532	0.0013	0.15	339.5	5.6	338.7	9.4	337.3	8.2	-0.2
Plešovice	4 (Agilent)	0.40	0.011	0.0535	0.0008	0.39	18.73	0.27	0.0545	0.0014	0.15	335.9	4.8	340.9	9.4	391.8	10.1	1.5
Plešovice	4 (Agilent)	0.40	0.009	0.0539	0.0007	0.32	18.65	0.23	0.0538	0.0012	0.23	338.1	4.2	343.5	7.9	362.7	8.1	1.6
Plešovice	4 (Agilent)	0.40	0.010	0.0541	0.0007	0.17	18.54	0.26	0.0527	0.0014	0.36	339.5	4.6	339.5	8.6	315.9	8.4	0.0
FC-1	4 (Agilent)	1.97	0.037	0.1874	0.0020	0.07	5.33	0.06	0.0764	0.0016	0.44	1107.3	11.8	1104.6	20.8	1105.6	23.2	-0.2
FC-1	4 (Agilent)	1.97	0.062	0.1900	0.0031	0.39	5.28	0.09	0.0755	0.0022	0.13	1121.4	18.3	1106.3	34.8	1081.8	31.5	-1.4
FC-1	4 (Agilent)	1.97	0.039	0.1876	0.0028	0.19	5.31	0.08	0.0761	0.0017	0.50	1108.4	16.5	1106.7	21.9	1097.7	24.5	-0.2
FC-1	4 (Agilent)	1.98	0.063	0.1894	0.0033	0.42	5.30	0.09	0.0757	0.0022	0.15	1118.1	19.5	1109.7	35.3	1087.1	31.6	-0.8
FC-1	4 (Agilent)	1.95	0.049	0.1871	0.0033	0.44	5.32	0.10	0.0766	0.0018	0.29	1105.6	19.5	1098.4	27.6	1110.8	26.1	-0.7
FC-1	4 (Agilent)	1.92	0.037	0.1865	0.0028	0.15	5.36	0.08	0.0751	0.0017	0.54	1102.4	16.6	1088.4	21.0	1071.2	24.2	-1.3
FC-1	4 (Agilent)	2.00	0.047	0.1877	0.0031	0.19	5.32	0.09	0.0767	0.0020	0.47	1108.9	18.3	1114.2	26.2	1113.4	29.0	0.5
FC-1	4 (Agilent)	2.00	0.051	0.1931	0.0041	0.21	5.17	0.11	0.0745	0.0022	0.54	1138.1	24.2	1116.2	28.4	1055.0	31.2	-2.0
FC-1	4 (Agilent)	2.01	0.051	0.1928	0.0037	0.52	5.19	0.10	0.0753	0.0017	0.27	1136.5	21.8	1117.2	28.4	1076.5	24.3	-1.7
FC-1	4 (Agilent)	1.99	0.037	0.1899	0.0027	0.30	5.27	0.08	0.0762	0.0015	0.44	1120.8	15.9	1112.8	20.7	1100.3	21.7	-0.7
FC-1	4 (Agilent)	1.96	0.048	0.1898	0.0043	0.37	5.27	0.11	0.0757	0.0020	0.48	1120.3	25.4	1102.2	27.0	1087.1	28.7	-1.6
FC-1	4 (Agilent)	1.99	0.072	0.1896	0.0045	0.65	5.30	0.13	0.0762	0.0021	0.03	1119.2	26.6	1110.4	40.3	1100.3	30.3	-0.8
WRS-1348	4 (Agilent)	0.70	0.037	0.0854	0.0014	0.00	11.81	0.19	0.0597	0.0033	0.30	528.3	8.7	539.4	28.5	592.7	32.8	2.1
WRS-1348	4 (Agilent)	0.70	0.043	0.0856	0.0017	0.14	11.83	0.23	0.0617	0.0038	0.18	529.5	10.5	540.6	33.1	663.7	40.9	2.1
WRS-1348	4 (Agilent)	0.73	0.078	0.0848	0.0028	0.29	12.00	0.41	0.0629	0.0064	0.03	524.7	17.3	558.9	59.4	704.9	71.7	6.1
WRS-1348	4 (Agilent)	0.76	0.098	0.0864	0.0033	0.11	11.65	0.43	0.0651	0.0085	0.18	534.2	20.4	573.4	74.0	777.6	101.5	6.8
WRS-1348	4 (Agilent)	0.69	0.071	0.0871	0.0025	0.07	11.55	0.32	0.0582	0.0061	0.20	538.4	15.5	532.8	54.8	537.3	56.3	-1.0
WRS-1348	4 (Agilent)	0.73	0.071	0.0857	0.0025	0.17	11.66	0.34	0.0637	0.0062	0.13	530.1	15.5	554.2	54.2	731.7	71.2	4.4
WRS-1348	4 (Agilent)	0.73	0.077	0.0860	0.0029	0.12	11.73	0.41	0.0631	0.0067	0.20	531.8	17.9	558.9	58.6	711.6	75.6	4.8
WRS-1348	4 (Agilent)	0.75	0.091	0.0855	0.0028	0.04	11.63	0.39	0.0605	0.0075	0.22	528.9	17.3	569.4	68.9	621.5	77.0	7.1
WRS-1348	4 (Agilent)	0.75	0.070	0.0852	0.0029	0.18	11.79	0.40	0.0650	0.0061	0.18	527.1	17.9	565.3	53.1	774.3	72.7	6.8
WRS-1348	4 (Agilent)	0.69	0.063	0.0850	0.0020	0.00	11.89	0.29	0.0603	0.0059	0.36	525.9	12.4	529.8	48.7	614.4	60.1	0.7
WRS-1348	4 (Agilent)	0.75	0.094	0.0861	0.0035	0.00	11.86	0.51	0.0641	0.0087	0.40	532.4	21.6	570.0	71.2	744.9	101.1	6.6
WRS-1348	4 (Agilent)	0.68	0.084	0.0851	0.0038	0.00	11.91	0.54	0.0604	0.0082	0.42	526.5	23.5	526.8	65.1	617.9	83.9	0.1
WRS-1348	4 (Agilent)	0.70	0.099	0.0839	0.0031	0.11	11.93	0.46	0.0605	0.0086	0.15	519.4	19.2	538.8	76.2	621.5	88.3	3.6
WRS-1348	4 (Agilent)	0.69	0.074	0.0844	0.0028	0.00	11.92	0.40	0.0603	0.0068	0.30	522.3	17.3	532.2	57.2	614.4	69.3	1.9
WRS-1348	4 (Agilent)	0.72	0.067	0.0838	0.0030	0.00	11.97	0.46	0.0658	0.0066	0.37	518.8	18.6	550.1	51.3	800.0	80.2	5.7
Temora	4 (Agilent)	0.49	0.037	0.0661	0.0018	0.00	15.25	0.43	0.0556	0.0045	0.36	412.6	11.2	404.9	30.6	436.4	35.3	-1.9
Temora	4 (Agilent)	0.48	0.063	0.0668	0.0020	0.14	14.99	0.42	0.0538	0.0070	0.08	416.8	12.5	398.8	52.2	362.7	47.2	-4.5
Temora	4 (Agilent)	0.52	0.058	0.0664	0.0022	0.40	15.19	0.49	0.0578	0.0060	-0.12	414.4	13.7	422.5	47.5	522.2	54.2	1.9
Temora	4 (Agilent)	0.50	0.030	0.0662	0.0017	0.10	15.14	0.38	0.0558	0.0035	0.31	413.2	10.6	412.4	24.7	444.4	27.9	-0.2
Temora	4 (Agilent)	0.53	0.038	0.0657	0.0032	0.23	15.28	0.71	0.0583	0.0045	0.41	410.2	20.0	430.5	31.0	541.1	41.8	4.7
Temora	4 (Agilent)	0.55	0.062	0.0657	0.0029	0.00	15.07	0.69	0.0619	0.0077	0.42	410.2	18.1	444.3	50.2	670.7	83.4	7.7

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
Temora	4 (Agilent)	0.48	0.049	0.0649	0.0025	0.15	15.70	0.60	0.0539	0.0056	0.23	405.4	15.6	397.4	40.7	366.9	38.1	-2.0
Temora	4 (Agilent)	0.50	0.048	0.0635	0.0019	0.00	16.12	0.52	0.0611	0.0068	0.57	396.9	11.9	409.0	39.6	642.8	71.5	3.0
Plešovice	5 (Agilent)	0.41	0.018	0.0543	0.0013	0.32	18.58	0.46	0.0534	0.0023	0.24	340.9	8.2	346.7	15.3	345.8	14.9	1.7
Plešovice	5 (Agilent)	0.40	0.019	0.0548	0.0012	0.17	18.22	0.37	0.0538	0.0026	0.27	343.9	7.5	344.5	16.2	362.7	17.5	0.2
Plešovice	5 (Agilent)	0.42	0.019	0.0540	0.0015	0.02	18.58	0.50	0.0566	0.0030	0.51	339.0	9.4	353.2	16.1	476.0	25.2	4.0
Plešovice	5 (Agilent)	0.39	0.019	0.0536	0.0012	0.22	18.76	0.41	0.0534	0.0026	0.24	336.6	7.5	336.6	16.3	345.8	16.8	0.0
Plešovice	5 (Agilent)	0.40	0.020	0.0539	0.0010	0.54	18.57	0.34	0.0529	0.0023	-0.20	338.4	6.0	338.7	17.1	324.5	14.1	0.1
Plešovice	5 (Agilent)	0.39	0.018	0.0543	0.0015	0.32	18.35	0.53	0.0524	0.0024	0.29	340.9	9.4	332.9	15.4	302.9	13.9	-2.4
Plešovice	5 (Agilent)	0.40	0.017	0.0540	0.0010	0.38	18.47	0.36	0.0528	0.0021	0.07	339.0	6.3	338.0	14.5	320.2	12.7	-0.3
Plešovice	5 (Agilent)	0.39	0.016	0.0538	0.0011	0.38	18.57	0.38	0.0525	0.0020	0.13	337.8	6.9	335.1	13.7	307.2	11.7	-0.8
Plešovice	5 (Agilent)	0.39	0.014	0.0534	0.0011	0.30	18.68	0.39	0.0532	0.0019	0.28	335.4	6.9	334.4	12.0	337.3	12.0	-0.3
Plešovice	5 (Agilent)	0.41	0.022	0.0534	0.0011	0.45	18.72	0.41	0.0543	0.0026	-0.04	335.4	6.9	349.6	18.7	383.5	18.4	4.1
Plešovice	5 (Agilent)	0.40	0.017	0.0547	0.0012	0.39	18.26	0.37	0.0531	0.0021	0.11	343.3	7.5	341.6	14.5	333.1	13.2	-0.5
WRS-1348	5 (Agilent)	0.71	0.046	0.0847	0.0018	0.13	11.91	0.24	0.0607	0.0040	0.19	524.1	11.1	542.4	35.3	628.6	41.4	3.4
WRS-1348	5 (Agilent)	0.72	0.041	0.0851	0.0015	0.03	11.74	0.20	0.0625	0.0037	0.27	526.5	9.3	550.1	31.4	691.3	40.9	4.3
WRS-1348	5 (Agilent)	0.73	0.046	0.0856	0.0017	0.10	11.68	0.23	0.0622	0.0040	0.21	529.5	10.5	556.0	35.1	681.0	43.8	4.8
WRS-1348	5 (Agilent)	0.70	0.040	0.0845	0.0016	0.15	11.90	0.23	0.0608	0.0035	0.19	522.9	9.9	538.2	30.8	632.2	36.4	2.8
WRS-1348	5 (Agilent)	0.68	0.057	0.0851	0.0023	0.00	11.78	0.32	0.0592	0.0054	0.41	526.5	14.2	526.2	44.2	574.5	52.4	-0.1
WRS-1348	5 (Agilent)	0.72	0.048	0.0863	0.0018	0.02	11.66	0.24	0.0617	0.0043	0.28	533.6	11.1	549.5	36.7	663.7	46.3	2.9
WRS-1348	5 (Agilent)	0.68	0.046	0.0849	0.0016	0.02	11.82	0.22	0.0590	0.0041	0.25	525.3	9.9	529.2	35.6	567.1	39.4	0.7
WRS-1348	5 (Agilent)	0.71	0.040	0.0857	0.0014	0.02	11.67	0.19	0.0602	0.0035	0.26	530.1	8.7	545.9	30.7	610.8	35.5	2.9
WRS-1348	5 (Agilent)	0.67	0.048	0.0866	0.0017	0.27	11.66	0.23	0.0547	0.0038	0.01	535.4	10.5	518.3	37.4	400.0	27.8	-3.3
WRS-1348	5 (Agilent)	0.67	0.060	0.0854	0.0027	0.15	11.81	0.38	0.0561	0.0051	0.21	528.3	16.7	518.9	46.7	456.3	41.5	-1.8
WRS-1348	5 (Agilent)	0.74	0.043	0.0860	0.0016	0.03	11.68	0.22	0.0626	0.0038	0.27	531.8	9.9	560.1	32.7	694.7	42.2	5.0
WRS-1348	5 (Agilent)	0.69	0.042	0.0856	0.0020	0.08	11.75	0.26	0.0585	0.0037	0.29	529.5	12.4	534.6	32.4	548.5	34.7	1.0
WRS-1348	5 (Agilent)	0.66	0.055	0.0847	0.0023	0.00	11.78	0.30	0.0554	0.0052	0.53	524.1	14.2	515.8	42.9	428.4	40.2	-1.6
WRS-1348	5 (Agilent)	0.69	0.042	0.0868	0.0015	0.00	11.55	0.20	0.0585	0.0037	0.29	536.6	9.3	535.2	32.4	548.5	34.7	-0.3
WRS-1348	5 (Agilent)	0.70	0.041	0.0856	0.0016	0.10	11.73	0.22	0.0604	0.0036	0.22	529.5	9.9	540.0	31.5	617.9	36.8	1.9
Temora	5 (Agilent)	0.53	0.022	0.0670	0.0014	0.09	15.01	0.32	0.0578	0.0026	0.38	418.1	8.7	429.8	17.9	522.2	23.5	2.7
Temora	5 (Agilent)	0.50	0.035	0.0660	0.0020	0.28	15.18	0.44	0.0544	0.0037	0.14	412.0	12.5	411.7	28.8	387.6	26.4	-0.1
Temora	5 (Agilent)	0.52	0.030	0.0661	0.0015	0.00	15.24	0.33	0.0570	0.0037	0.49	412.6	9.4	425.8	24.5	491.5	31.9	3.1
Temora	5 (Agilent)	0.55	0.052	0.0668	0.0017	0.32	14.96	0.40	0.0577	0.0052	-0.03	416.8	10.6	443.7	42.1	518.4	46.7	6.0
Temora	5 (Agilent)	0.51	0.036	0.0666	0.0017	0.05	15.00	0.37	0.0559	0.0041	0.29	415.6	10.6	420.5	29.5	448.4	32.9	1.1
Temora	5 (Agilent)	0.49	0.033	0.0659	0.0017	0.03	15.21	0.38	0.0534	0.0038	0.33	411.4	10.6	406.3	27.2	345.8	24.6	-1.3
Temora	5 (Agilent)	0.53	0.040	0.0660	0.0014	0.12	15.22	0.33	0.0575	0.0044	0.16	412.0	8.7	428.5	32.6	510.8	39.1	3.8
Temora	5 (Agilent)	0.49	0.034	0.0661	0.0016	0.23	15.25	0.39	0.0549	0.0037	0.13	412.6	10.0	407.6	28.1	408.2	27.5	-1.2
823 rim-1	5 (Agilent)	0.63	0.047	0.0762	0.0022	0.45	13.16	0.38	0.0595	0.0040	-0.07	473.4	13.7	494.2	37.0	585.4	39.4	4.2
823 rim-2	5 (Agilent)	0.62	0.029	0.0751	0.0026	0.27	13.39	0.48	0.0597	0.0030	0.45	466.8	16.2	488.6	22.9	592.7	29.8	4.5
823 rim-3	5 (Agilent)	0.61	0.049	0.0738	0.0053	0.80	13.22	0.74	0.0611	0.0030	-0.15	459.0	33.0	485.5	38.8	642.8	31.6	5.4
823 rim-4	5 (Agilent)	0.62	0.039	0.0751	0.0036	0.28	13.46	0.67	0.0634	0.0043	0.46	466.8	22.4	489.2	30.8	721.7	48.9	4.6
823 rim-5	5 (Agilent)	0.61	0.066	0.0743	0.0048	0.71	13.69	0.88	0.0614	0.0047	-0.17	462.0	29.8	484.8	52.3	653.3	50.0	4.7
823 rim-6	5 (Agilent)	0.61	0.076	0.0770	0.0100	0.82	13.70	2.10	0.0609	0.0046	0.59	478.2	62.1	483.6	60.2	635.7	48.0	1.1

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
823 rim-7	5 (Agilent)	0.62	0.077	0.0777	0.0095	0.94	13.70	1.80	0.0615	0.0026	0.34	482.4	59.0	491.7	60.8	656.8	27.8	1.9
823 rim-8	5 (Agilent)	0.66	0.110	0.0765	0.0087	0.92	13.80	1.60	0.0636	0.0048	-0.49	475.2	54.0	514.6	85.8	728.4	55.0	7.7
823 rim-9	5 (Agilent)	0.66	0.045	0.0780	0.0049	0.68	12.95	0.82	0.0610	0.0032	0.32	484.2	30.4	514.6	35.1	639.2	33.5	5.9
823 rim-10	5 (Agilent)	0.62	0.034	0.0768	0.0030	0.66	13.18	0.58	0.0577	0.0024	0.17	477.0	18.6	486.7	26.9	518.4	21.6	2.0
823 rim-11	5 (Agilent)	0.62	0.054	0.0791	0.0052	0.72	13.09	0.91	0.0602	0.0036	0.11	490.7	32.3	492.4	42.6	610.8	36.5	0.3
823 core-1	5 (Agilent)	2.15	0.130	0.1922	0.0076	0.41	5.25	0.21	0.0821	0.0047	0.27	1133.3	44.8	1165.1	70.4	1247.9	71.4	2.7
823 core-2	5 (Agilent)	2.13	0.100	0.1934	0.0056	0.09	5.21	0.15	0.0814	0.0043	0.47	1139.8	33.0	1158.6	54.4	1231.1	65.0	1.6
823 core-3	5 (Agilent)	2.05	0.130	0.1889	0.0057	0.59	5.31	0.17	0.0795	0.0041	-0.10	1115.4	33.7	1132.3	71.8	1184.6	61.1	1.5
823 core-4	5 (Agilent)	2.21	0.120	0.1975	0.0061	0.66	5.10	0.16	0.0828	0.0034	-0.11	1161.9	35.9	1184.2	64.3	1264.5	51.9	1.9
823 core-5	5 (Agilent)	2.10	0.200	0.1930	0.0070	0.74	5.16	0.17	0.0769	0.0056	-0.56	1137.6	41.3	1148.8	109.4	1118.6	81.5	1.0
823 core-6	5 (Agilent)	2.08	0.170	0.1912	0.0071	0.62	5.27	0.19	0.0826	0.0054	-0.23	1127.9	41.9	1142.2	93.4	1259.8	82.4	1.3
823 core-7	5 (Agilent)	2.14	0.220	0.1850	0.0092	0.37	5.38	0.25	0.0841	0.0081	0.10	1094.2	54.4	1161.8	119.4	1294.9	124.7	5.8
823 core-8	5 (Agilent)	2.17	0.140	0.1890	0.0100	0.00	5.28	0.31	0.0824	0.0069	0.64	1116.0	59.0	1171.5	75.6	1255.0	105.1	4.7
823 core-9	5 (Agilent)	2.13	0.100	0.1958	0.0056	0.36	5.14	0.15	0.0795	0.0036	0.26	1152.7	33.0	1158.6	54.4	1184.6	53.6	0.5
823 core-10	5 (Agilent)	2.04	0.097	0.1869	0.0057	0.43	5.39	0.17	0.0794	0.0035	0.24	1104.6	33.7	1128.0	53.7	1182.1	52.1	2.1
823 core-11	5 (Agilent)	2.16	0.160	0.1950	0.0100	0.43	5.11	0.28	0.0787	0.0055	0.31	1148.4	58.9	1168.3	86.5	1164.6	81.4	1.7
823 core-12	5 (Agilent)	1.96	0.085	0.1871	0.0064	0.61	5.33	0.17	0.0764	0.0027	0.17	1105.6	37.8	1101.2	47.8	1105.6	39.1	-0.4
823 core-13	5 (Agilent)	1.97	0.091	0.1849	0.0078	0.32	5.45	0.24	0.0814	0.0042	0.54	1093.7	46.1	1104.3	51.1	1231.1	63.5	1.0
Plešovice	6 (Agilent)	0.40	0.019	0.0540	0.0026	0.41	18.52	0.89	0.0559	0.0029	0.56	339.0	16.3	344.5	16.2	448.4	23.3	1.6
Plešovice	6 (Agilent)	0.37	0.018	0.0531	0.0021	0.36	18.83	0.74	0.0519	0.0026	0.44	333.5	13.2	321.1	15.5	281.0	14.1	-3.9
Plešovice	6 (Agilent)	0.39	0.019	0.0541	0.0023	0.34	18.48	0.79	0.0530	0.0028	0.48	339.6	14.4	331.4	16.3	328.8	17.4	-2.5
Plešovice	6 (Agilent)	0.38	0.020	0.0534	0.0023	0.44	18.73	0.81	0.0524	0.0027	0.38	335.4	14.4	324.1	17.2	302.9	15.6	-3.5
Plešovice	6 (Agilent)	0.37	0.015	0.0522	0.0025	0.40	19.16	0.92	0.0533	0.0026	0.65	328.0	15.7	321.1	12.9	341.6	16.7	-2.1
Plešovice	6 (Agilent)	0.40	0.017	0.0538	0.0028	0.57	18.59	0.97	0.0563	0.0025	0.63	337.8	17.6	343.1	14.5	464.2	20.6	1.5
Plešovice	6 (Agilent)	0.39	0.014	0.0539	0.0018	0.37	18.55	0.62	0.0540	0.0021	0.52	338.4	11.3	334.4	12.0	371.0	14.4	-1.2
Plešovice	6 (Agilent)	0.40	0.015	0.0549	0.0013	0.34	18.21	0.43	0.0539	0.0020	0.29	344.5	8.2	338.7	12.8	366.9	13.6	-1.7
Plešovice	6 (Agilent)	0.39	0.011	0.0540	0.0011	0.44	18.52	0.38	0.0523	0.0014	0.29	339.0	6.9	330.7	9.4	298.5	8.0	-2.5
Plešovice	6 (Agilent)	0.38	0.013	0.0540	0.0013	0.26	18.52	0.45	0.0527	0.0019	0.42	339.0	8.2	329.2	11.2	315.9	11.4	-3.0
WRS-1348	6 (Agilent)	0.65	0.040	0.0839	0.0018	0.03	11.92	0.26	0.0577	0.0037	0.30	519.4	11.1	510.9	31.2	518.4	33.2	-1.6
WRS-1348	6 (Agilent)	0.69	0.042	0.0846	0.0022	0.05	11.82	0.31	0.0616	0.0040	0.35	523.5	13.6	532.8	32.4	660.3	42.9	1.7
WRS-1348	6 (Agilent)	0.72	0.061	0.0843	0.0025	0.29	11.86	0.35	0.0664	0.0054	0.06	521.7	15.5	550.1	46.7	819.0	66.6	5.2
WRS-1348	6 (Agilent)	0.72	0.055	0.0841	0.0023	0.13	11.89	0.33	0.0653	0.0051	0.23	520.5	14.2	548.9	42.1	784.0	61.2	5.2
WRS-1348	6 (Agilent)	0.69	0.034	0.0850	0.0017	0.02	11.76	0.24	0.0585	0.0031	0.36	525.9	10.5	531.6	26.3	548.5	29.1	1.1
WRS-1348	6 (Agilent)	0.70	0.041	0.0844	0.0017	0.30	11.85	0.24	0.0611	0.0034	0.05	522.3	10.5	541.2	31.5	642.8	35.8	3.5
WRS-1348	6 (Agilent)	0.68	0.048	0.0846	0.0022	0.00	11.82	0.31	0.0602	0.0046	0.39	523.5	13.6	527.4	37.2	610.8	46.7	0.7
WRS-1348	6 (Agilent)	0.66	0.047	0.0839	0.0022	0.11	11.92	0.31	0.0591	0.0043	0.25	519.4	13.6	516.4	36.6	570.8	41.5	-0.6
WRS-1348	6 (Agilent)	0.68	0.039	0.0858	0.0019	0.18	11.66	0.26	0.0594	0.0034	0.20	530.6	11.8	529.2	30.2	581.8	33.3	-0.3
WRS-1348	6 (Agilent)	0.72	0.039	0.0841	0.0018	0.22	11.89	0.25	0.0635	0.0034	0.18	520.5	11.1	552.4	29.8	725.0	38.8	5.8
WRS-1348	6 (Agilent)	0.71	0.035	0.0832	0.0015	0.20	12.02	0.22	0.0635	0.0031	0.17	515.2	9.3	546.5	26.8	725.0	35.4	5.7
Temora	6 (Agilent)	0.51	0.037	0.0664	0.0017	0.04	15.06	0.39	0.0583	0.0044	0.30	414.4	10.6	421.1	30.3	541.1	40.8	1.6
Temora	6 (Agilent)	0.55	0.040	0.0671	0.0019	0.29	14.90	0.42	0.0582	0.0041	0.10	418.7	11.9	443.0	32.4	537.3	37.9	5.5
Temora	6 (Agilent)	0.52	0.021	0.0672	0.0011	0.26	14.88	0.24	0.0560	0.0022	0.15	419.3	6.9	425.8	17.2	452.4	17.8	1.5

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
Temora	6 (Agilent)	0.50	0.016	0.0674	0.0007	0.24	14.83	0.15	0.0549	0.0017	0.09	420.5	4.3	414.4	13.2	408.2	12.6	-1.5
Temora	6 (Agilent)	0.51	0.017	0.0667	0.0020	0.48	14.99	0.45	0.0555	0.0018	0.43	416.2	12.5	418.4	13.9	432.4	14.0	0.5
Temora	6 (Agilent)	0.52	0.039	0.0686	0.0046	0.47	14.58	0.98	0.0572	0.0042	0.44	427.7	28.7	425.8	31.9	499.3	36.7	-0.4
Temora	6 (Agilent)	0.53	0.038	0.0686	0.0040	0.46	14.58	0.85	0.0574	0.0039	0.37	427.7	24.9	434.5	30.9	506.9	34.4	1.6
809 rim-2	6 (Agilent)	0.58	0.050	0.0704	0.0041	0.39	14.20	0.83	0.0604	0.0050	0.30	438.6	25.5	465.7	40.0	617.9	51.2	5.8
809 rim-3	6 (Agilent)	0.57	0.077	0.0724	0.0060	0.74	13.81	1.14	0.0578	0.0053	-0.18	450.6	37.3	460.0	61.8	522.2	47.9	2.0
809 rim-4	6 (Agilent)	0.59	0.072	0.0712	0.0030	0.33	14.04	0.59	0.0598	0.0069	0.01	443.4	18.7	469.6	57.5	596.3	68.8	5.6
809 rim-5	6 (Agilent)	0.58	0.058	0.0696	0.0044	0.00	14.37	0.91	0.0640	0.0080	0.62	433.7	27.4	466.4	46.4	741.6	92.7	7.0
809 rim-6	6 (Agilent)	0.55	0.057	0.0710	0.0076	0.31	14.08	1.51	0.0603	0.0075	0.60	442.2	47.3	441.7	46.2	614.4	76.4	-0.1
809 rim-7	6 (Agilent)	0.56	0.052	0.0714	0.0049	0.00	14.01	0.96	0.0629	0.0073	0.61	444.6	30.5	454.1	41.9	704.9	81.8	2.1
809 rim-8	6 (Agilent)	0.57	0.047	0.0705	0.0069	0.48	14.18	1.39	0.0607	0.0056	0.63	439.2	43.0	460.6	37.7	628.6	58.0	4.7
809 rim-9	6 (Agilent)	0.55	0.061	0.0718	0.0040	0.68	13.93	0.78	0.0587	0.0049	-0.24	447.0	24.9	445.0	49.4	556.0	46.4	-0.4
809 rim-10	6 (Agilent)	0.56	0.069	0.0706	0.0065	0.85	14.16	1.30	0.0572	0.0038	-0.18	439.8	40.5	452.8	55.6	499.3	33.2	2.9
809 rim-11	6 (Agilent)	0.52	0.061	0.0711	0.0035	0.37	14.06	0.69	0.0526	0.0058	0.05	442.8	21.8	421.8	50.0	311.6	34.4	-5.0
809 rim-12	6 (Agilent)	0.56	0.059	0.0667	0.0069	0.06	14.99	1.55	0.0595	0.0085	0.68	416.2	43.1	452.2	47.6	585.4	83.6	7.9
809 rim-13	6 (Agilent)	0.58	0.062	0.0698	0.0045	0.34	14.33	0.92	0.0625	0.0065	0.27	435.0	28.0	465.7	49.6	691.3	71.9	6.6
809 rim-14	6 (Agilent)	0.58	0.074	0.0681	0.0044	0.16	14.68	0.95	0.0617	0.0082	0.34	424.7	27.4	467.0	59.2	663.7	88.2	9.1
809 rim-15	6 (Agilent)	0.55	0.064	0.0694	0.0063	0.59	14.41	1.31	0.0588	0.0057	0.22	432.5	39.3	443.0	51.8	559.7	54.3	2.4
809 rim-16	6 (Agilent)	0.54	0.072	0.0700	0.0045	0.24	14.29	0.92	0.0572	0.0076	0.24	436.2	28.0	439.1	58.4	499.3	66.3	0.7
809 rim-17	6 (Agilent)	0.56	0.043	0.0711	0.0042	0.15	14.06	0.83	0.0591	0.0053	0.53	442.8	26.2	449.6	34.7	570.8	51.2	1.5
809 rim-18	6 (Agilent)	0.54	0.033	0.0710	0.0028	0.37	14.08	0.56	0.0571	0.0034	0.28	442.2	17.4	435.1	26.8	495.4	29.5	-1.6
809 core-2	6 (Agilent)	0.97	0.150	0.1015	0.0052	0.46	9.85	0.50	0.0720	0.0100	-0.14	623.2	31.9	688.5	106.5	985.9	136.9	9.5
809 core-3	6 (Agilent)	0.86	0.073	0.0935	0.0067	0.00	10.70	0.77	0.0711	0.0085	0.71	576.2	41.3	628.5	53.5	960.3	114.8	8.3
809 core-4	6 (Agilent)	0.89	0.083	0.0980	0.0110	0.26	10.20	1.15	0.0709	0.0089	0.70	602.7	67.6	646.4	60.3	954.5	119.8	6.8
809 core-5	6 (Agilent)	0.88	0.082	0.0947	0.0062	0.54	10.56	0.69	0.0648	0.0052	0.18	583.3	38.2	638.3	59.8	767.8	61.6	8.6
809 core-6	6 (Agilent)	0.96	0.150	0.0965	0.0076	0.20	10.36	0.82	0.0750	0.0120	0.29	593.9	46.8	683.3	106.8	1068.5	171.0	13.1
809 core-7	6 (Agilent)	0.90	0.140	0.0954	0.0066	0.64	10.48	0.73	0.0673	0.0083	-0.25	587.4	40.6	651.7	101.4	847.1	104.5	9.9
809 core-8	6 (Agilent)	0.84	0.120	0.0971	0.0065	0.32	10.30	0.69	0.0642	0.0088	0.16	597.4	40.0	619.1	88.4	748.2	102.6	3.5
812 rim-2	6 (Agilent)	0.52	0.045	0.0684	0.0034	0.66	14.62	0.73	0.0544	0.0036	-0.12	426.5	21.2	421.8	36.9	387.6	25.7	-1.1
812 rim-3	6 (Agilent)	0.53	0.045	0.0711	0.0046	0.33	14.06	0.91	0.0555	0.0049	0.42	442.8	28.6	431.8	36.7	432.4	38.2	-2.5
812 rim-4	6 (Agilent)	0.53	0.035	0.0719	0.0034	0.43	13.91	0.66	0.0564	0.0035	0.30	447.6	21.2	433.8	28.5	468.1	29.1	-3.2
812 rim-5	6 (Agilent)	0.54	0.045	0.0704	0.0051	0.36	14.20	1.03	0.0575	0.0051	0.48	438.6	31.8	439.1	36.5	510.8	45.3	0.1
812 rim-6	6 (Agilent)	0.58	0.085	0.0695	0.0069	0.67	14.39	1.43	0.0614	0.0067	0.00	433.1	43.0	461.9	68.2	653.3	71.3	6.2
812 rim-7	6 (Agilent)	0.56	0.084	0.0721	0.0067	0.77	13.87	1.29	0.0583	0.0058	-0.24	448.8	41.7	448.3	67.8	541.1	53.8	-0.1
812 rim-8	6 (Agilent)	0.56	0.055	0.0734	0.0054	0.76	13.62	1.00	0.0575	0.0037	-0.02	456.6	33.6	449.6	44.4	510.8	32.9	-1.6
812 rim-9	6 (Agilent)	0.53	0.039	0.0687	0.0047	0.65	14.56	1.00	0.0564	0.0034	0.34	428.3	29.3	429.2	31.8	468.1	28.2	0.2
812 rim-10	6 (Agilent)	0.50	0.058	0.0690	0.0048	0.62	14.49	1.01	0.0549	0.0050	-0.02	430.1	29.9	413.1	47.7	408.2	37.2	-4.1
812 core-2	6 (Agilent)	4.26	0.300	0.2990	0.0170	0.31	3.34	0.19	0.1082	0.0082	0.47	1686.3	95.9	1685.7	118.7	1769.3	134.1	0.0
812 core-3	6 (Agilent)	4.77	0.390	0.3020	0.0110	0.46	3.31	0.12	0.1145	0.0083	-0.02	1701.2	62.0	1779.6	145.5	1872.0	135.7	4.4
812 core-4	6 (Agilent)	4.51	0.220	0.3050	0.0120	0.53	3.28	0.13	0.1104	0.0048	0.31	1716.1	67.5	1732.8	84.5	1806.0	78.5	1.0
812 core-5	6 (Agilent)	4.31	0.290	0.2990	0.0140	0.51	3.34	0.16	0.1065	0.0063	0.21	1686.3	79.0	1695.3	114.1	1740.4	103.0	0.5
812 core-6	6 (Agilent)	4.36	0.170	0.2970	0.0110	0.64	3.37	0.12	0.1113	0.0036	0.37	1676.4	62.1	1704.8	66.5	1820.8	58.9	1.7

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
812 core-7	6 (Agilent)	4.50	0.230	0.2967	0.0098	0.17	3.37	0.11	0.1144	0.0064	0.44	1674.9	55.3	1731.0	88.5	1870.5	104.6	3.2
812 core-8	6 (Agilent)	4.52	0.290	0.2970	0.0120	0.14	3.37	0.14	0.1142	0.0081	0.44	1676.4	67.7	1734.7	111.3	1867.3	132.4	3.4
Plešovice	7 (Agilent)	0.39	0.015	0.0539	0.0010	0.15	18.55	0.35	0.0523	0.0021	0.32	338.4	6.3	334.4	12.9	298.5	12.0	-1.2
Plešovice	7 (Agilent)	0.38	0.013	0.0536	0.0013	0.23	18.84	0.45	0.0517	0.0019	0.44	336.6	8.2	330.0	11.2	272.2	10.0	-2.0
Plešovice	7 (Agilent)	0.38	0.018	0.0534	0.0016	0.31	18.79	0.57	0.0519	0.0025	0.32	335.4	10.0	323.4	15.5	281.0	13.5	-3.7
Plešovice	7 (Agilent)	0.37	0.026	0.0522	0.0017	0.38	19.10	0.61	0.0505	0.0033	0.08	328.0	10.7	318.9	22.5	218.1	14.3	-2.9
Plešovice	7 (Agilent)	0.40	0.013	0.0551	0.0011	0.32	18.10	0.36	0.0530	0.0017	0.30	345.8	6.9	344.5	11.1	328.8	10.5	-0.4
Plešovice	7 (Agilent)	0.36	0.020	0.0526	0.0012	0.36	19.15	0.44	0.0507	0.0026	0.06	330.5	7.5	315.2	17.3	227.2	11.7	-4.8
Plešovice	7 (Agilent)	0.38	0.015	0.0540	0.0012	0.38	18.33	0.40	0.0514	0.0019	0.19	339.0	7.5	329.2	12.9	258.8	9.6	-3.0
Plešovice	7 (Agilent)	0.39	0.022	0.0529	0.0015	0.44	18.93	0.51	0.0527	0.0027	0.04	332.3	9.4	332.2	18.9	315.9	16.2	0.0
Plešovice	7 (Agilent)	0.37	0.021	0.0528	0.0017	0.40	18.87	0.60	0.0512	0.0027	0.18	331.7	10.7	320.4	18.1	249.8	13.2	-3.5
Plešovice	7 (Agilent)	0.37	0.021	0.0517	0.0018	0.00	19.48	0.71	0.0524	0.0035	0.53	325.0	11.3	319.7	18.1	302.9	20.2	-1.7
Temora	7 (Agilent)	0.47	0.049	0.0648	0.0022	0.20	15.44	0.51	0.0522	0.0054	0.12	404.8	13.7	389.8	40.8	294.2	30.4	-3.8
Temora	7 (Agilent)	0.51	0.013	0.0683	0.0010	0.49	14.69	0.20	0.0535	0.0012	0.05	426.0	6.0	417.1	10.7	350.1	7.9	-2.1
Temora	7 (Agilent)	0.48	0.021	0.0666	0.0017	0.38	15.14	0.38	0.0534	0.0022	0.21	415.6	10.6	400.1	17.4	345.8	14.2	-3.9
Temora	7 (Agilent)	0.53	0.042	0.0666	0.0018	0.13	15.05	0.41	0.0572	0.0046	0.21	415.6	11.2	431.1	34.2	499.3	40.1	3.6
Temora	7 (Agilent)	0.55	0.050	0.0687	0.0045	0.00	15.80	1.20	0.0644	0.0074	0.62	428.3	28.1	445.7	40.4	754.8	86.7	3.9
Temora	7 (Agilent)	0.54	0.045	0.0706	0.0055	0.27	15.60	1.20	0.0594	0.0058	0.57	439.8	34.3	439.7	36.5	581.8	56.8	0.0
Temora	7 (Agilent)	0.55	0.038	0.0682	0.0042	0.43	15.87	0.92	0.0597	0.0042	0.43	425.3	26.2	444.3	30.8	592.7	41.7	4.3
WRS-1348	7 (Agilent)	0.67	0.042	0.0858	0.0017	0.21	11.67	0.23	0.0567	0.0035	0.11	530.6	10.5	520.7	32.6	479.9	29.6	-1.9
WRS-1348	7 (Agilent)	0.70	0.033	0.0858	0.0014	0.01	11.68	0.19	0.0586	0.0029	0.32	530.6	8.7	541.2	25.4	552.3	27.3	1.9
WRS-1348	7 (Agilent)	0.68	0.036	0.0850	0.0014	0.00	11.81	0.20	0.0588	0.0034	0.41	525.9	8.7	524.4	27.9	559.7	32.4	-0.3
WRS-1348	7 (Agilent)	0.67	0.037	0.0835	0.0015	0.07	12.06	0.22	0.0577	0.0033	0.24	517.0	9.3	517.7	28.8	518.4	29.6	0.1
WRS-1348	7 (Agilent)	0.73	0.039	0.0866	0.0015	0.03	11.57	0.20	0.0611	0.0034	0.28	535.4	9.3	556.6	29.7	642.8	35.8	3.8
WRS-1348	7 (Agilent)	0.70	0.037	0.0852	0.0014	0.02	11.78	0.20	0.0602	0.0033	0.29	527.1	8.7	541.2	28.4	610.8	33.5	2.6
WRS-1348	7 (Agilent)	0.64	0.041	0.0844	0.0017	0.01	11.94	0.24	0.0552	0.0037	0.29	522.3	10.5	501.7	32.2	420.3	28.2	-4.1
WRS-1348	7 (Agilent)	0.71	0.036	0.0857	0.0014	0.01	11.67	0.20	0.0602	0.0032	0.30	530.1	8.7	544.7	27.6	610.8	32.5	2.7
WRS-1348	7 (Agilent)	0.70	0.039	0.0860	0.0016	0.18	11.68	0.21	0.0597	0.0033	0.15	531.8	9.9	540.6	30.0	592.7	32.8	1.6
WRS-1348	7 (Agilent)	0.66	0.045	0.0845	0.0020	0.00	11.92	0.28	0.0596	0.0044	0.39	522.9	12.4	515.2	35.1	589.1	43.5	-1.5
WRS-1348	7 (Agilent)	0.66	0.035	0.0858	0.0015	0.13	11.60	0.20	0.0561	0.0030	0.20	530.6	9.3	516.4	27.3	456.3	24.4	-2.8
WRS-1348	7 (Agilent)	0.63	0.047	0.0820	0.0021	0.17	12.15	0.31	0.0560	0.0042	0.17	508.0	13.0	493.6	37.1	452.4	33.9	-2.9
WRS-1348	7 (Agilent)	0.72	0.039	0.0862	0.0016	0.00	11.65	0.22	0.0612	0.0036	0.40	533.0	9.9	551.8	29.8	646.3	38.0	3.4
WRS-1348	7 (Agilent)	0.68	0.056	0.0840	0.0022	0.19	11.99	0.31	0.0587	0.0048	0.13	520.0	13.6	526.2	43.4	556.0	45.5	1.2
WRS-1348	7 (Agilent)	0.70	0.035	0.0862	0.0015	0.18	11.71	0.20	0.0597	0.0030	0.16	533.0	9.3	535.8	27.0	592.7	29.8	0.5
WRS-1348	8 (Agilent)	0.72	0.047	0.0856	0.0022	0.24	12.01	0.30	0.0608	0.0039	0.15	529.5	13.6	551.3	35.9	632.2	40.6	4.0
WRS-1348	8 (Agilent)	0.69	0.048	0.0840	0.0021	0.10	12.26	0.31	0.0602	0.0043	0.25	520.0	13.0	532.8	37.1	610.8	43.6	2.4
WRS-1348	8 (Agilent)	0.72	0.056	0.0857	0.0036	0.30	12.33	0.56	0.0627	0.0048	0.26	530.1	22.3	549.5	42.9	698.1	53.4	3.5
WRS-1348	8 (Agilent)	0.70	0.041	0.0858	0.0024	0.31	12.14	0.36	0.0603	0.0034	0.19	530.6	14.8	540.0	31.5	614.4	34.6	1.7
WRS-1348	8 (Agilent)	0.71	0.057	0.0864	0.0036	0.17	12.39	0.55	0.0597	0.0050	0.35	534.2	22.3	545.9	43.7	592.7	49.6	2.1
WRS-1348	8 (Agilent)	0.72	0.067	0.0870	0.0044	0.11	12.13	0.62	0.0623	0.0063	0.40	537.8	27.2	549.5	51.3	684.4	69.2	2.1
Fish Canyon Tuff	8 (Agilent)	0.040	0.013	0.0046	0.0005	0.00	239	33	0.0820	0.0320	0.61	29.3	3.0	39.8	12.9	1245.5	486.1	26.5

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
Fish Canyon Tuff	8 (Agilent)	0.032	0.010	0.0044	0.0002	0.00	235	13	0.0520	0.0170	0.34	28.0	1.5	32.0	10.0	285.4	93.3	12.3
Fish Canyon Tuff	8 (Agilent)	0.030	0.007	0.0044	0.0003	0.17	238	16	0.0510	0.0120	0.11	28.4	1.7	30.3	7.2	240.8	56.7	6.4
Fish Canyon Tuff	8 (Agilent)	0.028	0.006	0.0043	0.0003	0.20	249	19	0.0490	0.0100	0.18	27.7	2.1	28.3	5.8	147.8	30.2	2.4
Fish Canyon Tuff	8 (Agilent)	0.029	0.006	0.0045	0.0003	0.34	234	14	0.0448	0.0085	-0.04	28.8	1.7	28.8	5.8	-66.5	-12.6	0.3
Fish Canyon Tuff	8 (Agilent)	0.035	0.009	0.0045	0.0002	0.37	227	11	0.0540	0.0130	-0.19	28.8	1.4	35.3	9.0	371.0	89.3	18.4
Fish Canyon Tuff	8 (Agilent)	0.024	0.006	0.0044	0.0004	0.15	248	21	0.0440	0.0110	0.19	28.3	2.4	24.3	6.0	-110.7	-27.7	-16.6
Fish Canyon Tuff	8 (Agilent)	0.029	0.007	0.0044	0.0004	0.00	247	23	0.0490	0.0140	0.57	28.0	2.3	28.6	7.0	147.8	42.2	2.3
Fish Canyon Tuff	8 (Agilent)	0.034	0.010	0.0044	0.0003	0.00	239	16	0.0640	0.0210	0.58	28.0	1.9	33.9	10.0	741.6	243.3	17.6
Fish Canyon Tuff	8 (Agilent)	0.034	0.011	0.0045	0.0004	0.00	242	23	0.0600	0.0210	0.40	28.9	2.5	33.9	11.0	603.6	211.3	14.7
Fish Canyon Tuff	8 (Agilent)	0.031	0.008	0.0044	0.0003	0.24	241	17	0.0510	0.0130	0.03	28.4	2.0	30.5	8.0	240.8	61.4	7.0
Fish Canyon Tuff	8 (Agilent)	0.030	0.007	0.0045	0.0003	0.20	237	14	0.0510	0.0120	0.04	28.8	1.7	30.4	7.3	240.8	56.7	5.2
Fish Canyon Tuff	8 (Agilent)	0.031	0.009	0.0045	0.0004	0.25	241	20	0.0470	0.0140	0.03	29.1	2.6	30.6	9.4	49.2	14.7	4.8
Fish Canyon Tuff	8 (Agilent)	0.029	0.009	0.0043	0.0003	0.11	248	19	0.0480	0.0150	0.14	27.5	2.1	28.9	9.0	99.3	31.0	5.1
Fish Canyon Tuff	8 (Agilent)	0.036	0.008	0.0045	0.0004	0.10	246	27	0.0570	0.0140	0.30	28.7	2.7	35.4	8.4	491.5	120.7	19.0
Fish Canyon Tuff	8 (Agilent)	0.026	0.007	0.0044	0.0003	0.04	234	14	0.0460	0.0120	0.21	28.4	1.9	26.0	6.6	-2.4	-0.6	-9.5
Fish Canyon Tuff	8 (Agilent)	0.026	0.005	0.0043	0.0003	0.00	243	16	0.0480	0.0110	0.43	27.7	1.7	25.9	5.4	99.3	22.7	-7.2
Fish Canyon Tuff	8 (Agilent)	0.030	0.006	0.0045	0.0003	0.00	226	13	0.0490	0.0110	0.38	28.9	1.8	30.1	6.3	147.8	33.2	4.1
Fish Canyon Tuff	8 (Agilent)	0.027	0.006	0.0043	0.0002	0.00	236	13	0.0490	0.0110	0.41	27.9	1.5	27.4	5.7	147.8	33.2	-1.7
Fish Canyon Tuff	8 (Agilent)	0.034	0.008	0.0044	0.0003	0.10	235	15	0.0570	0.0130	0.16	28.4	1.7	33.9	7.7	491.5	112.1	16.3
Fish Canyon Tuff	8 (Agilent)	0.029	0.011	0.0043	0.0004	0.47	239	21	0.0520	0.0180	-0.27	27.9	2.6	29.0	11.0	285.4	98.8	4.0
Tardree	8 (Agilent)	0.056	0.009	0.0096	0.0005	0.00	108.5	5.2	0.0428	0.0073	0.27	61.4	2.9	55.4	9.1	-179.2	-30.6	-10.8
Tardree	8 (Agilent)	0.057	0.007	0.0095	0.0004	0.42	108.2	4.6	0.0426	0.0050	-0.10	61.0	2.7	56.7	7.3	-190.9	-22.4	-7.7
Tardree	8 (Agilent)	0.065	0.009	0.0094	0.0005	0.14	108.8	5.1	0.0499	0.0071	0.20	60.4	2.9	63.7	9.0	190.3	27.1	5.1
Tardree	8 (Agilent)	0.062	0.012	0.0094	0.0005	0.39	109.1	6.1	0.0457	0.0082	-0.11	60.4	3.2	61.1	11.8	-18.2	-3.3	1.0
Tardree	8 (Agilent)	0.065	0.009	0.0095	0.0004	0.01	107.3	3.8	0.0511	0.0076	0.25	60.8	2.4	64.2	9.2	245.3	36.5	5.3
Tardree	8 (Agilent)	0.067	0.011	0.0096	0.0005	0.24	108.3	5.2	0.0514	0.0082	0.05	61.3	3.0	65.8	10.8	258.8	41.3	7.0
Tardree	8 (Agilent)	0.066	0.009	0.0095	0.0004	0.11	108.7	5.1	0.0503	0.0068	0.24	61.0	2.8	64.8	8.6	208.9	28.2	5.9
Tardree	8 (Agilent)	0.063	0.009	0.0095	0.0004	0.14	109.4	4.5	0.0489	0.0070	0.15	60.8	2.5	61.9	8.9	143.0	20.5	1.8
Tardree	8 (Agilent)	0.069	0.010	0.0094	0.0005	0.00	111.2	5.7	0.0529	0.0085	0.45	60.4	2.9	67.8	9.8	324.5	52.1	10.8
Tardree	8 (Agilent)	0.061	0.010	0.0096	0.0006	0.12	110.6	7.1	0.0493	0.0083	0.27	61.4	4.0	59.7	9.8	162.1	27.3	-2.8
822 rim-1	8 (Agilent)	0.59	0.056	0.0755	0.0045	0.73	13.35	0.76	0.0568	0.0037	-0.19	469.2	28.0	472.8	44.6	483.8	31.5	0.8
822 rim-2	8 (Agilent)	0.62	0.045	0.0774	0.0028	0.56	13.09	0.48	0.0583	0.0035	-0.07	480.6	17.4	490.5	35.5	541.1	32.5	2.0
822 rim-3	8 (Agilent)	0.59	0.038	0.0753	0.0036	0.34	13.67	0.71	0.0577	0.0038	0.42	468.0	22.4	470.2	30.3	518.4	34.1	0.5
822 rim-4	8 (Agilent)	0.62	0.027	0.0759	0.0033	0.38	13.43	0.59	0.0595	0.0029	0.56	471.6	20.5	488.0	21.4	585.4	28.5	3.4
822 rim-5	8 (Agilent)	0.57	0.033	0.0749	0.0045	0.74	13.70	0.78	0.0559	0.0024	0.35	465.6	28.0	458.0	26.5	448.4	19.3	-1.7
822 rim-6	8 (Agilent)	0.60	0.037	0.0750	0.0031	0.66	13.51	0.56	0.0585	0.0027	0.01	466.2	19.3	477.2	29.4	548.5	25.3	2.3
822 rim-7	8 (Agilent)	0.65	0.056	0.0802	0.0040	0.00	12.53	0.62	0.0585	0.0060	0.54	497.3	24.8	506.6	43.9	548.5	56.3	1.8
822 rim-8	8 (Agilent)	0.58	0.036	0.0782	0.0048	0.61	12.81	0.84	0.0536	0.0029	0.48	485.4	29.8	466.4	28.8	354.3	19.2	-4.1
822 rim-9	8 (Agilent)	0.63	0.049	0.0797	0.0067	0.14	12.60	1.10	0.0574	0.0061	0.69	494.3	41.6	496.7	38.6	506.9	53.9	0.5
822 rim-10	8 (Agilent)	0.58	0.043	0.0765	0.0068	0.83	13.11	0.92	0.0565	0.0028	0.27	475.2	42.2	463.2	34.5	472.1	23.4	-2.6
822 rim-11	8 (Agilent)	0.64	0.068	0.0791	0.0067	0.37	13.00	1.20	0.0589	0.0064	0.45	490.7	41.6	502.9	53.4	563.4	61.2	2.4
822 rim-12	8 (Agilent)	0.60	0.058	0.0739	0.0075	0.68	14.00	1.20	0.0604	0.0048	0.32	459.6	46.6	479.1	46.1	617.9	49.1	4.1
822 rim-13	8 (Agilent)	0.61	0.035	0.0769	0.0025	0.20	13.18	0.45	0.0600	0.0036	0.36	477.6	15.5	484.2	27.7	603.6	36.2	1.4
822 rim-14	8 (Agilent)	0.60	0.020	0.0772	0.0016	0.22	13.06	0.28	0.0570	0.0020	0.39	479.4	9.9	478.5	15.9	491.5	17.2	-0.2

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
822 rim-15	8 (Agilent)	0.58	0.036	0.0772	0.0038	0.29	13.15	0.59	0.0551	0.0037	0.45	479.4	23.6	465.7	28.8	416.3	28.0	-2.9
822 rim-16	8 (Agilent)	0.60	0.022	0.0774	0.0023	0.50	12.87	0.34	0.0564	0.0019	0.27	480.6	14.3	476.6	17.5	468.1	15.8	-0.8
822 rim-17	8 (Agilent)	0.56	0.028	0.0745	0.0025	0.25	13.53	0.45	0.0548	0.0029	0.39	463.2	15.5	449.6	22.6	404.1	21.4	-3.0
822 rim-18	8 (Agilent)	0.58	0.036	0.0761	0.0033	0.54	13.23	0.52	0.0566	0.0030	0.12	472.8	20.5	465.1	28.8	476.0	25.2	-1.7
822 core-1	8 (Agilent)	2.15	0.280	0.1990	0.0120	0.11	5.12	0.32	0.0800	0.0110	0.34	1169.9	70.5	1165.1	151.7	1197.0	164.6	-0.4
822 core-2	8 (Agilent)	2.16	0.190	0.2030	0.0100	0.58	5.03	0.27	0.0770	0.0055	0.03	1191.4	58.7	1168.3	102.8	1121.2	80.1	-2.0
822 core-3	8 (Agilent)	2.22	0.130	0.2069	0.0076	0.32	4.90	0.18	0.0770	0.0045	0.31	1212.3	44.5	1187.4	69.5	1121.2	65.5	-2.1
822 core-4	8 (Agilent)	2.17	0.140	0.2061	0.0084	0.00	4.94	0.21	0.0779	0.0062	0.59	1208.0	49.2	1171.5	75.6	1144.3	91.1	-3.1
822 core-5	8 (Agilent)	2.22	0.170	0.2087	0.0072	0.00	4.87	0.18	0.0785	0.0069	0.50	1221.9	42.2	1187.4	90.9	1159.6	101.9	-2.9
822 core-6	8 (Agilent)	2.27	0.180	0.2027	0.0069	0.52	4.94	0.15	0.0822	0.0056	-0.18	1189.8	40.5	1203.0	95.4	1250.3	85.2	1.1
822 core-7	8 (Agilent)	2.19	0.200	0.2065	0.0075	0.28	4.93	0.19	0.0771	0.0068	0.14	1210.1	44.0	1177.9	107.6	1123.8	99.1	-2.7
822 core-8	8 (Agilent)	2.18	0.190	0.2076	0.0074	0.20	4.91	0.19	0.0779	0.0068	0.23	1216.0	43.3	1174.7	102.4	1144.3	99.9	-3.5
822 core-9	8 (Agilent)	2.31	0.220	0.2040	0.0100	0.05	5.01	0.26	0.0828	0.0087	0.43	1196.8	58.7	1215.4	115.7	1264.5	132.9	1.5
Plešovice	9 (Agilent)	0.40	0.021	0.0533	0.0037	0.77	20.80	1.40	0.0545	0.0024	0.63	334.7	23.2	341.6	17.9	391.8	17.3	2.0
Plešovice	9 (Agilent)	0.38	0.022	0.0527	0.0037	0.67	20.80	1.60	0.0525	0.0028	0.65	331.1	23.2	325.6	18.9	307.2	16.4	-1.7
Plešovice	9 (Agilent)	0.40	0.020	0.0546	0.0034	0.55	19.70	1.40	0.0534	0.0029	0.71	342.7	21.3	340.2	17.1	345.8	18.8	-0.7
Plešovice	9 (Agilent)	0.40	0.023	0.0541	0.0028	0.46	19.75	0.99	0.0527	0.0030	0.43	339.6	17.6	340.9	19.7	315.9	18.0	0.4
Plešovice	9 (Agilent)	0.40	0.023	0.0543	0.0021	0.60	19.09	0.73	0.0542	0.0025	0.08	340.9	13.2	341.6	19.6	379.4	17.5	0.2
Plešovice	9 (Agilent)	0.39	0.019	0.0534	0.0020	0.53	19.36	0.76	0.0518	0.0022	0.30	335.4	12.6	336.6	16.3	276.6	11.7	0.4
Plešovice	9 (Agilent)	0.38	0.016	0.0535	0.0024	0.51	19.45	0.84	0.0536	0.0023	0.52	336.0	15.1	327.0	13.8	354.3	15.2	-2.7
Plešovice	9 (Agilent)	0.38	0.028	0.0526	0.0046	0.64	19.70	1.80	0.0489	0.0034	0.60	330.5	28.9	323.4	24.1	143.0	9.9	-2.2
Plešovice	9 (Agilent)	0.39	0.033	0.0535	0.0040	0.67	19.40	1.50	0.0508	0.0033	0.31	336.0	25.1	335.1	28.3	231.8	15.1	-0.3
Plešovice	9 (Agilent)	0.38	0.035	0.0527	0.0058	0.70	20.50	2.50	0.0513	0.0041	0.66	331.1	36.4	327.8	30.1	254.3	20.3	-1.0
Plešovice	9 (Agilent)	0.38	0.021	0.0542	0.0026	0.45	19.03	0.96	0.0497	0.0027	0.45	340.3	16.3	329.2	18.1	181.0	9.8	-3.3
Plešovice	9 (Agilent)	0.38	0.029	0.0534	0.0036	0.55	19.50	1.40	0.0499	0.0034	0.41	335.4	22.6	328.5	24.9	190.3	13.0	-2.1
Plešovice	9 (Agilent)	0.37	0.028	0.0542	0.0040	0.62	19.40	1.50	0.0488	0.0032	0.45	340.3	25.1	318.9	24.2	138.2	9.1	-6.7
Plešovice	9 (Agilent)	0.39	0.028	0.0551	0.0032	0.27	18.70	1.10	0.0492	0.0039	0.49	345.8	20.1	333.6	24.0	157.4	12.5	-3.6
WRS-1348	9 (Agilent)	0.70	0.052	0.0861	0.0036	0.03	12.41	0.56	0.0643	0.0054	0.48	532.4	22.3	540.0	40.0	751.5	63.1	1.4
WRS-1348	9 (Agilent)	0.70	0.039	0.0857	0.0028	0.28	12.49	0.40	0.0625	0.0035	0.29	530.1	17.3	538.8	30.0	691.3	38.7	1.6
WRS-1348	9 (Agilent)	0.73	0.059	0.0853	0.0037	0.11	12.37	0.53	0.0643	0.0056	0.39	527.7	22.9	557.7	45.0	751.5	65.5	5.4
WRS-1348	9 (Agilent)	0.65	0.048	0.0862	0.0032	0.24	12.44	0.48	0.0575	0.0043	0.27	533.0	19.8	505.4	37.6	510.8	38.2	-5.5
WRS-1348	9 (Agilent)	0.69	0.051	0.0865	0.0032	0.29	12.29	0.51	0.0604	0.0044	0.25	534.8	19.8	531.0	39.4	617.9	45.0	-0.7
WRS-1348	9 (Agilent)	0.72	0.043	0.0855	0.0032	0.27	12.50	0.51	0.0616	0.0038	0.37	528.9	19.8	547.7	32.9	660.3	40.7	3.4
WRS-1348	9 (Agilent)	0.65	0.047	0.0873	0.0034	0.21	11.98	0.46	0.0565	0.0042	0.32	539.5	21.0	510.9	36.7	472.1	35.1	-5.6
WRS-1348	9 (Agilent)	0.65	0.042	0.0855	0.0031	0.09	12.39	0.47	0.0573	0.0041	0.43	528.9	19.2	505.4	32.9	503.1	36.0	-4.6
820 rim-1	9 (Agilent)	0.57	0.063	0.0752	0.0067	0.77	13.50	1.10	0.0540	0.0038	-0.07	467.4	41.6	456.1	50.7	371.0	26.1	-2.5
820 rim-2	9 (Agilent)	0.58	0.058	0.0750	0.0052	0.50	13.53	0.99	0.0564	0.0050	0.25	466.2	32.3	465.7	46.4	468.1	41.5	-0.1
820 rim-3	9 (Agilent)	0.63	0.072	0.0751	0.0077	0.24	13.50	1.30	0.0595	0.0080	0.55	466.8	47.9	495.5	56.7	585.4	78.7	5.8
820 rim-4	9 (Agilent)	0.60	0.054	0.0782	0.0040	0.00	12.90	0.76	0.0546	0.0057	0.52	485.4	24.8	479.8	42.9	395.9	41.3	-1.2
820 rim-5	9 (Agilent)	0.59	0.097	0.0778	0.0064	0.29	13.00	1.10	0.0532	0.0086	0.23	483.0	39.7	470.2	77.4	337.3	54.5	-2.7
820 rim-6	9 (Agilent)	0.63	0.050	0.0777	0.0067	0.37	13.10	1.10	0.0590	0.0055	0.61	482.4	41.6	498.0	39.3	567.1	52.9	3.1
820 rim-7	9 (Agilent)	0.65	0.072	0.0767	0.0072	0.40	13.30	1.20	0.0604	0.0068	0.43	476.4	44.7	510.9	56.2	617.9	69.6	6.8

Sample	Session	$^{207}\text{Pb}/^{235}\text{U}$	2σ	$^{206}\text{Pb}/^{238}\text{U}$	2σ	ρ	$^{238}\text{U}/^{206}\text{Pb}$	2σ	$^{207}\text{Pb}/^{207}\text{Pb}$	2σ	ρ	$^{206}\text{Pb}/^{238}\text{U Ma}$	2σ	$^{207}\text{Pb}/^{235}\text{U Ma}$	2σ	$^{207}\text{Pb}/^{207}\text{Pb Ma}$	2σ	Disc. %
820 rim-8	9 (Agilent)	0.68	0.140	0.0778	0.0073	0.63	13.00	1.20	0.0610	0.0100	-0.23	483.0	45.3	526.8	108.5	639.2	104.8	8.3
820 rim-9	9 (Agilent)	0.59	0.030	0.0795	0.0050	0.00	12.65	0.77	0.0523	0.0048	0.86	493.1	31.0	472.8	23.9	298.5	27.4	-4.3
820 rim-10	9 (Agilent)	0.62	0.067	0.0788	0.0049	0.00	12.79	0.76	0.0554	0.0071	0.55	489.0	30.4	491.1	52.9	428.4	54.9	0.4
820 rim-11	9 (Agilent)	0.65	0.093	0.0797	0.0033	0.00	12.58	0.54	0.0567	0.0087	0.35	494.3	20.5	506.0	72.8	479.9	73.6	2.3
820 rim-12	9 (Agilent)	0.60	0.085	0.0766	0.0052	0.01	13.17	0.89	0.0551	0.0086	0.43	475.8	32.3	478.5	67.6	416.3	65.0	0.6
820 rim-13	9 (Agilent)	0.61	0.086	0.0753	0.0043	0.01	13.39	0.79	0.0565	0.0086	0.37	468.0	26.7	481.7	68.2	472.1	71.9	2.8
820 rim-14	9 (Agilent)	0.58	0.047	0.0739	0.0061	0.60	13.80	1.10	0.0558	0.0041	0.43	459.6	37.9	461.2	37.7	444.4	32.7	0.4
820 rim-15	9 (Agilent)	0.61	0.084	0.0773	0.0038	0.74	13.03	0.68	0.0543	0.0058	-0.44	480.0	23.6	482.3	66.6	383.5	41.0	0.5
820 rim-16	9 (Agilent)	0.69	0.190	0.0781	0.0072	0.31	13.00	1.20	0.0610	0.0160	0.03	484.8	44.7	532.8	146.7	639.2	167.7	9.0
820 rim-17	9 (Agilent)	0.61	0.055	0.0736	0.0067	0.76	13.90	1.20	0.0589	0.0037	0.31	457.8	41.7	485.5	43.6	563.4	35.4	5.7
820 rim-18	9 (Agilent)	0.65	0.064	0.0775	0.0025	0.00	12.91	0.42	0.0588	0.0065	0.51	481.2	15.5	509.7	50.0	559.7	61.9	5.6
820 rim-19	9 (Agilent)	0.61	0.060	0.0745	0.0042	0.43	13.55	0.85	0.0565	0.0051	0.21	463.2	26.1	482.3	47.6	472.1	42.6	4.0
820 core-1	9 (Agilent)	1.70	0.230	0.1820	0.0170	0.03	5.67	0.54	0.0680	0.0110	0.55	1077.9	100.7	1008.5	136.4	868.6	140.5	-6.9
820 core-2	9 (Agilent)	1.73	0.240	0.1750	0.0130	0.00	5.76	0.44	0.0700	0.0110	0.47	1039.6	77.2	1019.8	141.5	928.4	145.9	-1.9
820 core-3	9 (Agilent)	1.83	0.220	0.1930	0.0200	0.67	5.43	0.57	0.0676	0.0062	0.26	1137.6	117.9	1056.3	127.0	856.3	78.5	-7.7
820 core-4	9 (Agilent)	1.92	0.150	0.1880	0.0120	0.79	5.42	0.33	0.0707	0.0034	-0.01	1110.5	70.9	1088.1	85.0	948.8	45.6	-2.1
820 core-5	9 (Agilent)	1.78	0.310	0.1740	0.0110	0.47	5.82	0.36	0.0710	0.0110	-0.13	1034.1	65.4	1038.2	180.8	957.4	148.3	0.4

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
823 core-1	1 (iCAP)	1.91	0.100	0.1836	0.0065	0.11	5.45	0.19	0.0767	0.0046	0.50	1086.6	38.5	1084.6	56.8	1113.4	66.8	-0.2
823 core-2	1 (iCAP)	1.94	0.094	0.1857	0.0058	0.25	5.39	0.17	0.0769	0.0039	0.38	1098.0	34.3	1095.7	53.0	1118.6	56.7	-0.2
823 core-3	1 (iCAP)	1.97	0.092	0.1876	0.0056	0.42	5.33	0.16	0.0757	0.0033	0.24	1108.4	33.1	1106.3	51.6	1087.1	47.4	-0.2
823 core-4	1 (iCAP)	1.98	0.110	0.1896	0.0076	0.65	5.27	0.21	0.0752	0.0032	0.10	1119.2	44.9	1108.7	61.6	1073.9	45.7	-0.9
823 core-5	1 (iCAP)	2.02	0.110	0.1884	0.0072	0.48	5.31	0.20	0.0771	0.0038	0.25	1112.7	42.5	1122.3	61.1	1123.8	55.4	0.9
823 core-6	1 (iCAP)	2.00	0.120	0.1911	0.0074	0.76	5.23	0.20	0.0759	0.0030	-0.18	1127.3	43.7	1115.5	66.9	1092.4	43.2	-1.1
823 core-7	1 (iCAP)	2.11	0.120	0.1901	0.0074	0.22	5.26	0.20	0.0812	0.0050	0.43	1121.9	43.7	1152.1	65.5	1226.3	75.5	2.6
823 core-8	1 (iCAP)	1.95	0.150	0.1817	0.0099	0.39	5.50	0.30	0.0763	0.0057	0.32	1076.3	58.6	1098.4	84.5	1103.0	82.4	2.0
823 core-9	1 (iCAP)	2.04	0.200	0.1840	0.0130	0.28	5.43	0.38	0.0751	0.0078	0.42	1088.8	76.9	1129.0	110.7	1071.2	111.3	3.6
823 core-10	1 (iCAP)	1.92	0.160	0.1810	0.0100	0.53	5.52	0.31	0.0768	0.0055	0.16	1072.4	59.3	1088.1	90.7	1116.0	79.9	1.4
823 core-11	1 (iCAP)	2.06	0.180	0.1880	0.0110	0.84	5.32	0.31	0.0777	0.0039	-0.29	1110.5	65.0	1135.6	99.2	1139.2	57.2	2.2
823 core-12	1 (iCAP)	2.06	0.130	0.1827	0.0077	0.61	5.47	0.23	0.0822	0.0041	0.07	1081.7	45.6	1135.6	71.7	1250.3	62.4	4.7
823 core-13	1 (iCAP)	2.12	0.120	0.1892	0.0086	0.55	5.29	0.24	0.0786	0.0039	0.29	1117.0	50.8	1155.3	65.4	1162.1	57.7	3.3
823 core-14	1 (iCAP)	1.95	0.150	0.1950	0.0110	0.48	5.13	0.29	0.0726	0.0051	0.28	1148.4	64.8	1098.4	84.5	1002.8	70.4	-4.5
823 core-15	1 (iCAP)	2.03	0.160	0.1928	0.0087	0.53	5.19	0.23	0.0732	0.0049	0.05	1136.5	51.3	1125.6	88.7	1019.5	68.2	-1.0
823 core-16	1 (iCAP)	2.08	0.130	0.1930	0.0110	0.68	5.18	0.30	0.0773	0.0037	0.30	1137.6	64.8	1142.2	71.4	1128.9	54.0	0.4
823 core-17	1 (iCAP)	2.00	0.076	0.1853	0.0074	0.00	5.40	0.22	0.0782	0.0043	0.72	1095.9	43.8	1116.9	42.4	1152.0	63.3	1.9
823 rim-1	1 (iCAP)	0.61	0.032	0.0775	0.0030	0.42	12.90	0.50	0.0555	0.0028	0.32	481.2	18.6	481.7	25.4	432.4	21.8	0.1
823 rim-2	1 (iCAP)	0.63	0.059	0.0798	0.0042	0.67	12.53	0.66	0.0584	0.0041	-0.15	494.9	26.0	495.5	46.5	544.8	38.2	0.1
823 rim-3	1 (iCAP)	0.63	0.030	0.0798	0.0045	0.53	12.53	0.71	0.0572	0.0029	0.61	494.9	27.9	498.0	23.6	499.3	25.3	0.6
823 rim-4	1 (iCAP)	0.62	0.054	0.0758	0.0033	0.67	13.19	0.57	0.0591	0.0039	-0.22	471.0	20.5	492.4	42.6	570.8	37.7	4.3
823 rim-5	1 (iCAP)	0.60	0.069	0.0774	0.0085	0.72	12.92	1.42	0.0536	0.0045	0.31	480.6	52.8	476.0	54.9	354.3	29.7	-1.0
823 rim-6	1 (iCAP)	0.64	0.062	0.0773	0.0035	0.54	12.94	0.59	0.0577	0.0047	-0.08	480.0	21.7	504.2	48.6	518.4	42.2	4.8
823 rim-7	1 (iCAP)	0.60	0.065	0.0793	0.0046	0.70	12.61	0.73	0.0539	0.0043	-0.24	491.9	28.5	474.1	51.8	366.9	29.3	-3.8
Temora	1 (iCAP)	0.40	0.290	0.0690	0.0083	0.00	14.49	1.74	0.0360	0.0360	1.00	430.1	51.7	341.6	247.7	-630.9	-630.9	-25.9
Temora	1 (iCAP)	0.53	0.340	0.0688	0.0091	0.00	14.53	1.92	0.0570	0.0410	0.65	428.9	56.7	431.8	277.0	491.5	353.6	0.7
Temora	1 (iCAP)	0.49	0.340	0.0710	0.0100	0.62	14.08	1.98	0.0860	0.0530	-0.47	442.2	62.3	404.9	281.0	1338.2	824.7	-9.2
Temora	1 (iCAP)	0.75	0.280	0.0658	0.0068	0.27	15.20	1.57	0.0890	0.0320	0.01	410.8	42.5	568.2	212.1	1404.2	504.9	27.7
Temora	1 (iCAP)	0.38	0.250	0.0662	0.0084	0.00	15.11	1.92	0.0420	0.0300	0.52	413.2	52.4	327.0	215.2	-226.5	-161.8	-26.4
Temora	1 (iCAP)	0.43	0.130	0.0682	0.0048	0.21	14.66	1.03	0.0440	0.0130	0.02	425.3	29.9	363.2	109.8	-110.7	-32.7	-17.1
Temora	1 (iCAP)	0.51	0.130	0.0691	0.0040	0.00	14.47	0.84	0.0490	0.0150	0.91	430.7	24.9	418.4	106.7	147.8	45.3	-2.9
Temora	1 (iCAP)	0.58	0.130	0.0671	0.0035	0.00	14.90	0.78	0.0650	0.0150	0.24	418.7	21.8	464.5	104.1	774.3	178.7	9.9
Temora	1 (iCAP)	0.48	0.100	0.0634	0.0033	0.01	15.77	0.82	0.0560	0.0120	0.23	396.3	20.6	398.1	82.9	452.4	96.9	0.5
Temora	1 (iCAP)	0.65	0.130	0.0686	0.0041	0.00	14.58	0.87	0.0710	0.0150	0.32	427.7	25.6	508.5	101.7	957.4	202.3	15.9
Temora	1 (iCAP)	0.52	0.120	0.0681	0.0039	0.10	14.68	0.84	0.0560	0.0130	0.15	424.7	24.3	425.2	98.1	452.4	105.0	0.1
Temora	1 (iCAP)	0.51	0.270	0.0712	0.0068	0.20	14.04	1.34	0.0540	0.0280	-0.02	443.4	42.3	418.4	221.5	371.0	192.4	-6.0
Temora	1 (iCAP)	0.43	0.220	0.0685	0.0067	0.00	14.60	1.43	0.0460	0.0240	0.20	427.1	41.8	363.2	185.8	-2.4	-1.2	-17.6
822 core-1	2 (iCAP)	2.09	0.290	0.1870	0.0200	0.47	5.35	0.57	0.0770	0.0100	0.33	1105.1	118.2	1145.5	158.9	1121.2	145.6	3.5
822 core-2	2 (iCAP)	2.16	0.220	0.1930	0.0120	0.56	5.18	0.32	0.0817	0.0069	0.06	1137.6	70.7	1168.3	119.0	1238.3	104.6	2.6
822 core-3	2 (iCAP)	2.25	0.260	0.1940	0.0140	0.33	5.15	0.37	0.0851	0.0097	0.29	1143.0	82.5	1196.8	138.3	1317.8	150.2	4.5
822 core-4	2 (iCAP)	2.23	0.210	0.2070	0.0110	0.23	4.83	0.26	0.0786	0.0076	0.32	1212.8	64.4	1190.5	112.1	1162.1	112.4	-1.9
822 core-5	2 (iCAP)	2.32	0.200	0.2000	0.0120	0.13	5.00	0.30	0.0862	0.0085	0.50	1175.3	70.5	1218.4	105.0	1342.7	132.4	3.5
822 core-6	2 (iCAP)	2.26	0.260	0.1960	0.0140	0.27	5.10	0.36	0.0850	0.0100	0.34	1153.8	82.4	1199.9	138.0	1315.5	154.8	3.8

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
822 rim-1	2 (iCAP)	0.63	0.045	0.0767	0.0061	0.56	13.04	1.04	0.0574	0.0041	0.56	476.4	37.9	496.7	35.4	506.9	36.2	4.1
822 rim-2	2 (iCAP)	0.61	0.046	0.0807	0.0052	0.36	12.39	0.80	0.0553	0.0044	0.47	500.3	32.2	484.2	36.5	424.4	33.8	-3.3
822 rim-3	2 (iCAP)	0.62	0.045	0.0724	0.0043	0.42	13.81	0.82	0.0588	0.0042	0.40	450.6	26.8	491.7	35.5	559.7	40.0	8.4
822 rim-4	2 (iCAP)	0.63	0.064	0.0772	0.0047	0.60	12.95	0.79	0.0580	0.0047	0.00	479.4	29.2	496.1	50.4	529.8	42.9	3.4
822 rim-5	2 (iCAP)	0.58	0.030	0.0749	0.0028	0.42	13.35	0.50	0.0564	0.0028	0.31	465.6	17.4	463.2	24.0	468.1	23.2	-0.5
822 rim-6	2 (iCAP)	0.60	0.035	0.0747	0.0034	0.36	13.39	0.61	0.0567	0.0034	0.41	464.4	21.1	474.7	27.9	479.9	28.8	2.2
822 rim-7	2 (iCAP)	0.62	0.037	0.0775	0.0033	0.52	12.90	0.55	0.0571	0.0030	0.22	481.2	20.5	489.2	29.2	495.4	26.0	1.6
822 rim-8	2 (iCAP)	0.59	0.032	0.0783	0.0040	0.40	12.77	0.65	0.0552	0.0032	0.51	486.0	24.8	470.9	25.5	420.3	24.4	-3.2
822 rim-9	2 (iCAP)	0.62	0.061	0.0735	0.0043	0.35	13.61	0.80	0.0633	0.0060	0.25	457.2	26.7	491.1	48.2	718.3	68.1	6.9
822 rim-10	2 (iCAP)	0.63	0.044	0.0797	0.0085	0.61	12.55	1.34	0.0589	0.0050	0.76	494.3	52.7	496.1	34.6	563.4	47.8	0.4
Temora	2 (iCAP)	0.45	0.077	0.0664	0.0026	0.00	15.06	0.59	0.0524	0.0098	0.53	414.4	16.2	380.1	64.5	302.9	56.7	-9.0
Temora	2 (iCAP)	0.51	0.086	0.0663	0.0031	0.06	15.08	0.71	0.0530	0.0092	0.21	413.8	19.3	415.8	70.7	328.8	57.1	0.5
Temora	2 (iCAP)	0.56	0.088	0.0689	0.0031	0.11	14.51	0.65	0.0600	0.0096	0.17	429.5	19.3	448.3	71.1	603.6	96.6	4.2
Temora	2 (iCAP)	0.56	0.083	0.0696	0.0032	0.13	14.37	0.66	0.0571	0.0086	0.18	433.7	19.9	448.3	67.0	495.4	74.6	3.2
Temora	2 (iCAP)	0.49	0.059	0.0672	0.0027	0.02	14.88	0.60	0.0532	0.0067	0.30	419.3	16.8	405.6	48.7	337.3	42.5	-3.4
Temora	2 (iCAP)	0.52	0.072	0.0674	0.0027	0.10	14.84	0.59	0.0555	0.0078	0.19	420.5	16.8	424.5	58.9	432.4	60.8	0.9
Temora	2 (iCAP)	0.49	0.061	0.0683	0.0026	0.00	14.64	0.56	0.0545	0.0071	0.32	425.9	16.2	407.6	50.3	391.8	51.0	-4.5
Temora	2 (iCAP)	0.49	0.096	0.0670	0.0042	0.53	14.93	0.94	0.0527	0.0090	-0.24	418.1	26.2	405.6	79.3	315.9	53.9	-3.1
Temora	2 (iCAP)	0.60	0.074	0.0682	0.0022	0.00	14.66	0.47	0.0665	0.0086	0.28	425.3	13.7	474.7	58.9	822.2	106.3	10.4
Temora	2 (iCAP)	0.51	0.069	0.0686	0.0026	0.09	14.58	0.55	0.0577	0.0079	0.19	427.7	16.2	419.1	56.6	518.4	71.0	-2.1
Temora	2 (iCAP)	0.53	0.057	0.0690	0.0026	0.06	14.49	0.55	0.0566	0.0063	0.28	430.1	16.2	433.8	46.4	476.0	53.0	0.8
Temora	2 (iCAP)	0.57	0.072	0.0696	0.0025	0.00	14.37	0.52	0.0596	0.0079	0.28	433.7	15.6	454.8	58.0	589.1	78.1	4.6
Temora	2 (iCAP)	0.58	0.078	0.0664	0.0023	0.00	15.06	0.52	0.0646	0.0091	0.29	414.4	14.4	463.2	62.5	761.3	107.2	10.5
Temora	2 (iCAP)	0.53	0.110	0.0677	0.0036	0.14	14.77	0.79	0.0580	0.0120	0.12	422.3	22.5	431.8	89.6	529.8	109.6	2.2
Temora	2 (iCAP)	0.58	0.120	0.0654	0.0041	0.12	15.29	0.96	0.0670	0.0140	0.18	408.4	25.6	464.5	96.1	837.8	175.1	12.1
809 core-1	3 (iCAP)	1.03	0.210	0.1032	0.0058	0.39	9.69	0.54	0.0740	0.0140	-0.12	633.1	35.6	718.9	146.6	1041.5	197.0	11.9
809 core-2	3 (iCAP)	1.00	0.230	0.1034	0.0067	0.00	9.67	0.63	0.0750	0.0180	0.29	634.3	41.1	703.8	161.9	1068.5	256.4	9.9
809 core-3	3 (iCAP)	0.93	0.140	0.0994	0.0069	0.00	10.06	0.70	0.0690	0.0130	0.67	610.9	42.4	667.6	100.5	898.7	169.3	8.5
809 core-4	3 (iCAP)	0.85	0.130	0.0987	0.0056	0.17	10.13	0.57	0.0650	0.0100	0.20	606.8	34.4	624.6	95.5	774.3	119.1	2.9
809 core-5	3 (iCAP)	0.90	0.190	0.1017	0.0077	0.17	9.83	0.74	0.0660	0.0140	0.19	624.4	47.3	651.7	137.6	806.4	171.0	4.2
809 core-6	3 (iCAP)	0.82	0.110	0.1027	0.0051	0.00	9.74	0.48	0.0575	0.0092	0.63	630.2	31.3	608.0	81.6	510.8	81.7	-3.6
809 core-7	3 (iCAP)	0.91	0.130	0.0998	0.0047	0.16	10.02	0.47	0.0700	0.0100	0.16	613.2	28.9	657.1	93.9	928.4	132.6	6.7
809 core-8	3 (iCAP)	0.84	0.120	0.0956	0.0046	0.00	10.46	0.50	0.0660	0.0110	0.60	588.6	28.3	619.1	88.4	806.4	134.4	4.9
809 rim-1	3 (iCAP)	0.58	0.062	0.0704	0.0023	0.37	14.20	0.46	0.0569	0.0057	-0.07	438.6	14.3	461.9	49.7	487.7	48.9	5.0
809 rim-2	3 (iCAP)	0.57	0.080	0.0677	0.0029	0.44	14.77	0.63	0.0598	0.0076	-0.14	422.3	18.1	459.3	64.2	596.3	75.8	8.1
809 rim-3	3 (iCAP)	0.55	0.060	0.0733	0.0047	0.10	13.64	0.87	0.0557	0.0067	0.44	456.0	29.2	447.0	48.5	440.4	53.0	-2.0
809 rim-4	3 (iCAP)	0.59	0.061	0.0685	0.0020	0.24	14.60	0.43	0.0600	0.0060	0.04	427.1	12.5	472.1	48.6	603.6	60.4	9.5
809 rim-5	3 (iCAP)	0.59	0.049	0.0728	0.0029	0.00	13.74	0.55	0.0583	0.0054	0.44	453.0	18.0	470.2	39.1	541.1	50.1	3.7
809 rim-6	3 (iCAP)	0.55	0.049	0.0707	0.0025	0.00	14.14	0.50	0.0564	0.0056	0.46	440.4	15.6	445.7	39.6	468.1	46.5	1.2
809 rim-7	3 (iCAP)	0.54	0.052	0.0704	0.0030	0.07	14.20	0.61	0.0565	0.0058	0.35	438.6	18.7	438.4	42.2	472.1	48.5	0.0
809 rim-8	3 (iCAP)	0.48	0.053	0.0699	0.0031	0.00	14.31	0.63	0.0506	0.0060	0.38	435.6	19.3	400.8	43.9	222.6	26.4	-8.7
809 rim-9	3 (iCAP)	0.54	0.120	0.0716	0.0055	0.37	13.97	1.07	0.0580	0.0120	-0.02	445.8	34.2	438.4	97.4	529.8	109.6	-1.7

Sample	Session	²⁰⁷ Pb/ ²³⁵ U	2σ	²⁰⁶ Pb/ ²³⁸ U	2σ	ρ	²³⁸ U/ ²⁰⁶ Pb	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb	2σ	ρ	²⁰⁶ Pb/ ²³⁸ U Ma	2σ	²⁰⁷ Pb/ ²³⁵ U Ma	2σ	²⁰⁷ Pb/ ²⁰⁷ Pb Ma	2σ	Disc. %
809 rim-10	3 (iCAP)	0.54	0.050	0.0697	0.0030	0.21	14.35	0.62	0.0557	0.0052	0.25	434.3	18.7	439.1	40.6	440.4	41.1	1.1
809 rim-11	3 (iCAP)	0.60	0.051	0.0713	0.0026	0.02	14.03	0.51	0.0620	0.0057	0.37	444.0	16.2	476.0	40.6	674.1	62.0	6.7
809 rim-12	3 (iCAP)	0.60	0.061	0.0692	0.0021	0.01	14.45	0.44	0.0647	0.0068	0.28	431.3	13.1	479.8	48.5	764.6	80.4	10.1
809 rim-13	3 (iCAP)	0.62	0.120	0.0725	0.0039	0.72	13.79	0.74	0.0690	0.0110	-0.53	451.2	24.3	489.8	94.8	898.7	143.3	7.9
809 rim-14	3 (iCAP)	0.55	0.055	0.0720	0.0020	0.00	13.89	0.39	0.0573	0.0062	0.40	448.2	12.4	443.7	44.5	503.1	54.4	-1.0
809 rim-15	3 (iCAP)	0.63	0.086	0.0707	0.0033	0.06	14.14	0.66	0.0653	0.0093	0.27	440.4	20.6	494.2	67.8	784.0	111.7	10.9
809 rim-16	3 (iCAP)	0.58	0.041	0.0695	0.0020	0.20	14.39	0.41	0.0591	0.0042	0.20	433.1	12.5	462.5	32.9	570.8	40.6	6.4
809 rim-17	3 (iCAP)	0.56	0.039	0.0705	0.0015	0.00	14.18	0.30	0.0583	0.0043	0.30	439.2	9.3	448.3	31.5	541.1	39.9	2.0
809 rim-18	3 (iCAP)	0.60	0.054	0.0716	0.0018	0.32	13.97	0.35	0.0600	0.0051	-0.04	445.8	11.2	479.1	42.9	603.6	51.3	7.0
809 rim-19	3 (iCAP)	0.52	0.056	0.0690	0.0026	0.04	14.49	0.55	0.0557	0.0063	0.30	430.1	16.2	423.8	45.8	440.4	49.8	-1.5
809 rim-20	3 (iCAP)	0.58	0.031	0.0701	0.0019	0.08	14.27	0.39	0.0608	0.0035	0.39	436.8	11.8	467.0	24.8	632.2	36.4	6.5
812 core-1	3 (iCAP)	5.00	0.360	0.3200	0.0170	0.70	3.13	0.17	0.1125	0.0058	0.05	1789.7	95.1	1819.3	131.0	1840.2	94.9	1.6
812 core-2	3 (iCAP)	4.86	0.360	0.3260	0.0170	0.32	3.07	0.16	0.1122	0.0085	0.38	1819.0	94.9	1795.3	133.0	1835.4	139.0	-1.3
812 core-3	3 (iCAP)	5.08	0.400	0.3210	0.0120	0.08	3.12	0.12	0.1115	0.0094	0.37	1794.6	67.1	1832.8	144.3	1824.0	153.8	2.1
812 core-4	3 (iCAP)	5.04	0.290	0.3280	0.0120	0.00	3.05	0.11	0.1118	0.0078	0.57	1828.7	66.9	1826.1	105.1	1828.9	127.6	-0.1
812 core-5	3 (iCAP)	4.81	0.310	0.3170	0.0130	0.06	3.15	0.13	0.1103	0.0082	0.50	1775.1	72.8	1786.6	115.1	1804.4	134.1	0.6
812 rim-1	3 (iCAP)	0.53	0.055	0.0682	0.0019	0.33	14.66	0.41	0.0558	0.0055	-0.07	425.3	11.8	430.5	44.8	444.4	43.8	1.2
812 rim-2	3 (iCAP)	0.61	0.084	0.0727	0.0032	0.00	13.76	0.61	0.0606	0.0096	0.56	452.4	19.9	480.4	66.7	625.1	99.0	5.8
812 rim-3	3 (iCAP)	0.54	0.059	0.0691	0.0026	0.40	14.47	0.54	0.0582	0.0058	-0.06	430.7	16.2	441.1	47.8	537.3	53.5	2.3
812 rim-4	3 (iCAP)	0.56	0.061	0.0681	0.0029	0.55	14.68	0.63	0.0601	0.0056	-0.19	424.7	18.1	448.9	49.3	607.2	56.6	5.4
812 rim-5	3 (iCAP)	0.52	0.055	0.0705	0.0035	0.20	14.18	0.70	0.0542	0.0058	0.26	439.2	21.8	426.5	44.9	379.4	40.6	-3.0
812 rim-6	3 (iCAP)	0.56	0.080	0.0687	0.0045	0.23	14.56	0.95	0.0597	0.0085	0.23	428.3	28.1	453.5	64.4	592.7	84.4	5.5
812 rim-7	3 (iCAP)	0.56	0.059	0.0675	0.0041	0.00	14.81	0.90	0.0609	0.0074	0.50	421.1	25.6	452.2	47.6	635.7	77.2	6.9
812 rim-8	3 (iCAP)	0.55	0.065	0.0702	0.0029	0.00	14.25	0.59	0.0591	0.0081	0.59	437.4	18.1	447.6	52.5	570.8	78.2	2.3
812 rim-9	3 (iCAP)	0.58	0.063	0.0717	0.0038	0.00	13.95	0.74	0.0627	0.0081	0.57	446.4	23.7	465.1	50.4	698.1	90.2	4.0
812 rim-10	3 (iCAP)	0.61	0.100	0.0688	0.0031	0.13	14.53	0.65	0.0670	0.0110	0.14	428.9	19.3	483.6	79.3	837.8	137.5	11.3
812 rim-11	3 (iCAP)	0.56	0.059	0.0707	0.0032	0.36	14.14	0.64	0.0575	0.0057	0.08	440.4	19.9	450.2	47.6	510.8	50.6	2.2
812 rim-12	3 (iCAP)	0.60	0.053	0.0717	0.0030	0.23	13.95	0.58	0.0624	0.0055	0.24	446.4	18.7	479.1	42.1	687.8	60.6	6.8
812 rim-13	3 (iCAP)	0.62	0.079	0.0689	0.0024	0.12	14.51	0.51	0.0659	0.0084	0.16	429.5	15.0	491.7	62.4	803.2	102.4	12.6
812 rim-14	3 (iCAP)	0.61	0.055	0.0698	0.0028	0.15	14.33	0.57	0.0650	0.0060	0.28	435.0	17.4	486.1	43.5	774.3	71.5	10.5
812 rim-15	3 (iCAP)	0.60	0.053	0.0703	0.0028	0.00	14.22	0.57	0.0659	0.0065	0.46	438.0	17.4	479.8	42.1	803.2	79.2	8.7
812 rim-16	3 (iCAP)	0.60	0.059	0.0701	0.0024	0.22	14.27	0.49	0.0613	0.0059	0.13	436.8	15.0	479.1	46.9	649.8	62.5	8.8
812 rim-17	3 (iCAP)	0.59	0.056	0.0710	0.0042	0.38	14.08	0.83	0.0631	0.0057	0.26	442.2	26.2	473.4	44.6	711.6	64.3	6.6
Temora	3 (iCAP)	0.56	0.089	0.0646	0.0027	0.17	15.48	0.65	0.0620	0.0098	0.10	403.5	16.9	450.2	71.8	674.1	106.6	10.4
Temora	3 (iCAP)	0.54	0.065	0.0679	0.0023	0.22	14.73	0.50	0.0628	0.0074	0.06	423.5	14.3	437.8	52.8	701.5	82.7	3.3
Temora	3 (iCAP)	0.52	0.064	0.0654	0.0025	0.09	15.29	0.58	0.0625	0.0078	0.22	408.4	15.6	427.8	52.3	691.3	86.3	4.5
Temora	3 (iCAP)	0.49	0.062	0.0660	0.0023	0.00	15.15	0.53	0.0587	0.0079	0.35	412.0	14.4	404.2	51.3	556.0	74.8	-1.9
Temora	3 (iCAP)	0.52	0.055	0.0659	0.0021	0.08	15.17	0.48	0.0609	0.0066	0.22	411.4	13.1	423.8	45.0	635.7	68.9	2.9
Temora	3 (iCAP)	0.51	0.051	0.0662	0.0018	0.22	15.11	0.41	0.0557	0.0055	0.05	413.2	11.2	415.1	41.9	440.4	43.5	0.4
Temora	3 (iCAP)	0.53	0.052	0.0691	0.0022	0.07	14.47	0.46	0.0561	0.0057	0.25	430.7	13.7	429.8	42.4	456.3	46.4	-0.2
Temora	3 (iCAP)	0.51	0.066	0.0667	0.0019	0.26	14.99	0.43	0.0528	0.0066	-0.04	416.2	11.9	418.4	54.2	320.2	40.0	0.5
Temora	3 (iCAP)	0.55	0.057	0.0676	0.0023	0.00	14.79	0.50	0.0621	0.0069	0.34	421.7	14.3	441.7	46.2	677.6	75.3	4.5
Temora	3 (iCAP)	0.57	0.066	0.0692	0.0021	0.27	14.45	0.44	0.0622	0.0070	-0.01	431.3	13.1	454.8	53.1	681.0	76.6	5.2

Sample	Session	$^{207}\text{Pb}/^{235}\text{U}$	2σ	$^{206}\text{Pb}/^{238}\text{U}$	2σ	ρ	$^{238}\text{U}/^{206}\text{Pb}$	2σ	$^{207}\text{Pb}/^{207}\text{Pb}$	2σ	ρ	$^{206}\text{Pb}/^{238}\text{U Ma}$	2σ	$^{207}\text{Pb}/^{235}\text{U Ma}$	2σ	$^{207}\text{Pb}/^{207}\text{Pb Ma}$	2σ	Disc. %
Temora	3 (iCAP)	0.55	0.055	0.0684	0.0025	0.04	14.62	0.53	0.0576	0.0061	0.31	426.5	15.6	441.7	44.6	514.6	54.5	3.4
Temora	3 (iCAP)	0.52	0.064	0.0674	0.0023	0.15	14.84	0.51	0.0539	0.0066	0.13	420.5	14.3	425.8	52.3	366.9	44.9	1.3
820 core-1	3 (iCAP)	1.72	0.160	0.1815	0.0093	0.57	5.51	0.28	0.0720	0.0055	-0.02	1075.2	55.1	1016.0	94.5	985.9	75.3	-5.8
820 core-2	3 (iCAP)	1.90	0.180	0.1771	0.0066	0.38	5.65	0.21	0.0765	0.0067	0.01	1051.1	39.2	1081.1	102.4	1108.2	97.1	2.8
820 core-3	3 (iCAP)	1.77	0.150	0.1773	0.0088	0.40	5.64	0.28	0.0730	0.0058	0.20	1052.2	52.2	1034.5	87.7	1014.0	80.6	-1.7
820 core-4	3 (iCAP)	1.69	0.190	0.1803	0.0071	0.27	5.55	0.22	0.0690	0.0075	0.08	1068.6	42.1	1004.8	113.0	898.7	97.7	-6.4
820 core-5	3 (iCAP)	1.78	0.400	0.1750	0.0140	0.35	5.71	0.46	0.0760	0.0160	0.01	1039.6	83.2	1038.2	233.3	1095.1	230.5	-0.1
820 core-6	3 (iCAP)	1.77	0.470	0.1717	0.0095	0.62	5.82	0.32	0.0680	0.0160	-0.46	1021.5	56.5	1034.5	274.7	868.6	204.4	1.3
820 core-7	3 (iCAP)	1.92	0.250	0.1850	0.0140	0.39	5.41	0.41	0.0750	0.0092	0.21	1094.2	82.8	1088.1	141.7	1068.5	131.1	-0.6
820 core-8	3 (iCAP)	1.83	0.210	0.1748	0.0097	0.38	5.72	0.32	0.0768	0.0082	0.11	1038.5	57.6	1056.3	121.2	1116.0	119.2	1.7
820 core-9	3 (iCAP)	1.94	0.240	0.1790	0.0110	0.15	5.59	0.34	0.0850	0.0110	0.33	1061.5	65.2	1095.0	135.5	1315.5	170.2	3.1
820 core-10	3 (iCAP)	1.97	0.210	0.1870	0.0100	0.32	5.35	0.29	0.0757	0.0078	0.19	1105.1	59.1	1105.3	117.8	1087.1	112.0	0.0
820 core-11	3 (iCAP)	1.86	0.260	0.1750	0.0110	0.40	5.71	0.36	0.0724	0.0093	0.06	1039.6	65.3	1067.0	149.1	997.2	128.1	2.6
820 rim-1	3 (iCAP)	0.60	0.057	0.0760	0.0043	0.87	13.16	0.74	0.0566	0.0030	-0.49	472.2	26.7	478.5	45.3	476.0	25.2	1.3
820 rim-2	3 (iCAP)	0.61	0.045	0.0729	0.0026	0.00	13.72	0.49	0.0614	0.0052	0.50	453.6	16.2	483.6	35.7	653.3	55.3	6.2
820 rim-3	3 (iCAP)	0.57	0.027	0.0728	0.0024	0.65	13.74	0.45	0.0556	0.0020	0.05	453.0	14.9	457.4	21.7	436.4	15.7	1.0
820 rim-4	3 (iCAP)	0.58	0.089	0.0777	0.0035	0.30	12.87	0.58	0.0549	0.0080	0.00	482.4	21.7	466.4	71.2	408.2	59.5	-3.4
820 rim-5	3 (iCAP)	0.57	0.048	0.0734	0.0025	0.15	13.62	0.46	0.0578	0.0050	0.25	456.6	15.6	455.4	38.6	522.2	45.2	-0.3
820 rim-6	3 (iCAP)	0.59	0.091	0.0749	0.0053	0.65	13.35	0.94	0.0568	0.0068	-0.24	465.6	32.9	473.4	72.5	483.8	57.9	1.6
820 rim-7	3 (iCAP)	0.61	0.110	0.0709	0.0055	0.85	14.10	1.09	0.0627	0.0076	-0.63	441.6	34.3	483.6	87.2	698.1	84.6	8.7