

Table 5: Depth-profile U-Pb isotopic data from vein selvage sample A-3-1

Analysis description	Depth (μm) ^a	Ages (Ma)				% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^b	Corrected atomic ratios				Concentrations (ppm) ^c			Correlation of ellipses				
		²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b		²⁰⁶ Pb/ ²³⁸ Pb	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b	U	Th	²⁰⁷ Pb					
<i>jabs_mt2_A-3-1</i>																		
Cycle 1	0.00	443	6.7	471	64.9	613	349.0	82.8	0.0711	0.0011	0.5905	0.1017	0.0603	0.0097	3128	233	2.451	0.7106
Cycle 2	0.08	442	6.2	481	61.8	666	323.8	80.7	0.0711	0.0010	0.6052	0.0977	0.0618	0.0093	3650	344	3.291	0.7106
Cycle 3	0.15	435	6.4	425	69.1	372	423.0	70.1	0.0698	0.0011	0.5203	0.1035	0.0540	0.0101	3624	384	4.155	0.7464
Cycle 4	0.23	468	7.1	529	71.7	800	340.0	70.9	0.0753	0.0012	0.6832	0.1189	0.0658	0.0107	3243	408	4.504	0.7464
Cycle 5	0.31	505	8.9	650	73.7	1192	277.8	74.0	0.0815	0.0015	0.8971	0.1378	0.0798	0.0112	2498	355	4.084	0.7526
Cycle 6	0.39	579	10.5	623	95.7	789	402.1	73.1	0.0940	0.0018	0.8479	0.1742	0.0654	0.0125	1928	316	3.699	0.7250
Cycle 7	0.46	604	12.7	687	102.4	967	387.6	72.9	0.0983	0.0022	0.9665	0.1982	0.0713	0.0135	1523	271	3.188	0.7181
Cycle 8	0.54	695	16.1	756	112.9	940	402.0	74.6	0.1138	0.0028	1.1046	0.2340	0.0704	0.0138	1092	214	2.475	0.7181
Cycle 9	0.62	748	19.6	940	106.8	1419	301.1	75.8	0.1231	0.0034	1.5225	0.2653	0.0897	0.0141	827	182	1.950	0.6553
Cycle 10	0.69	837	21.3	1131	102.4	1749	243.8	77.1	0.1386	0.0038	2.0446	0.3071	0.1070	0.0143	666	154	1.589	0.6828
Cycle 11	0.77	958	26.1	1366	97.7	2079	197.6	77.5	0.1602	0.0047	2.8397	0.3695	0.1286	0.0144	533	133	1.435	0.6804
Cycle 12	0.85	1040	29.8	1520	89.8	2271	165.6	79.6	0.1751	0.0054	3.4671	0.3950	0.1436	0.0138	449	129	1.195	0.6660
Cycle 13	0.93	1175	37.0	1649	100.6	2320	177.4	79.8	0.2000	0.0069	4.0745	0.5027	0.1478	0.0153	358	117	1.282	0.6660
Cycle 14	1.00	1309	41.8	1706	113.2	2236	201.1	75.8	0.2252	0.0079	4.3684	0.5984	0.1407	0.0164	306	105	1.278	0.6771
Cycle 15	1.08	1392	43.5	1888	97.3	2489	157.6	77.3	0.2410	0.0084	5.4198	0.6150	0.1631	0.0153	285	94	1.161	0.6777
Cycle 16	1.16	1595	49.5	2072	89.3	2586	136.9	79.0	0.2807	0.0098	6.6939	0.6764	0.1730	0.0142	253	103	1.070	0.6658
Cycle 17	1.23	1591	48.5	2097	88.1	2638	133.3	78.4	0.2799	0.0096	6.8844	0.6841	0.1784	0.0143	267	95	1.135	0.6753
Cycle 18	1.31	1624	51.1	2081	89.7	2571	137.5	78.6	0.2865	0.0102	6.7671	0.6862	0.1713	0.0141	265	98	1.210	0.6848
Cycle 19	1.39	1688	50.7	2124	88.4	2578	134.9	78.6	0.2992	0.0102	7.0979	0.7049	0.1720	0.0139	268	96	1.210	0.6753
Cycle 20	1.47	1786	51.9	2271	73.6	2743	105.4	81.2	0.3192	0.0106	8.3653	0.6787	0.1901	0.0122	263	99	1.099	0.6633
Cycle 21	1.54	1834	51.7	2281	71.3	2711	102.8	82.3	0.3290	0.0107	8.4575	0.6641	0.1864	0.0116	270	93	1.054	0.6546
Cycle 22	1.62	1801	51.5	2200	79.6	2595	119.5	80.5	0.3223	0.0106	7.7259	0.6844	0.1739	0.0125	263	95	1.138	0.6623
Cycle 23	1.70	1858	53.7	2360	63.9	2827	87.8	83.9	0.3340	0.0111	9.2137	0.6431	0.2001	0.0108	258	95	0.963	0.6633
Cycle 24	1.78	1899	51.1	2345	64.6	2760	91.2	83.7	0.3425	0.0107	9.0704	0.6411	0.1921	0.0107	286	106	1.026	0.6538
Cycle 25	1.85	1832	50.7	2171	75.1	2510	114.7	82.2	0.3287	0.0105	7.4865	0.6277	0.1652	0.0113	284	111	1.157	0.6437
Cycle 26	1.93	1937	52.3	2243	72.6	2534	109.3	82.5	0.3505	0.0110	8.1027	0.6506	0.1677	0.0109	281	109	1.168	0.6340
Cycle 27	2.01	1932	54.4	2314	65.5	2671	93.6	83.8	0.3495	0.0114	8.7678	0.6301	0.1820	0.0103	274	107	1.099	0.6437
Cycle 28	2.08	1920	52.9	2295	64.4	2647	92.6	83.8	0.3470	0.0111	8.5817	0.6072	0.1794	0.0100	288	107	1.144	0.6448
Cycle 29	2.16	1925	52.9	2371	56.8	2780	77.6	85.5	0.3480	0.0111	9.3263	0.5781	0.1944	0.0092	303	112	1.069	0.6620
Cycle 30	2.24	1996	50.5	2364	38.1	2698	82.3	85.1	0.3629	0.0107	9.2540	0.5865	0.1850	0.0092	306	112	1.105	0.6425
Cycle 31	2.32	1950	49.1	2317	57.9	2659	83.1	85.3	0.3531	0.0103	8.7979	0.5586	0.1807	0.0091	327	119	1.142	0.6471
Cycle 32	2.39	1952	54.4	2273	61.4	2577	88.7	85.1	0.3536	0.0114	8.3832	0.5675	0.1719	0.0091	302	111	1.137	0.6471
Cycle 33	2.47	1939	58.8	2354	56.0	2736	74.2	86.4	0.3509	0.0123	9.1597	0.5602	0.1893	0.0085	296	111	1.041	0.6841
Cycle 34	2.55	2008	51.0	2344	54.8	2650	77.6	86.5	0.3655	0.0108	9.0563	0.5423	0.1797	0.0084	319	118	1.065	0.6404
Cycle 35	2.62	2031	51.3	2383	54.2	2700	75.7	86.1	0.3703	0.0109	9.4524	0.5576	0.1852	0.0085	345	124	1.207	0.6404
Cycle 36	2.70	1990	56.2	2327	56.6	2637	78.6	86.1	0.3616	0.0119	8.8887	0.5509	0.1783	0.0084	319	126	1.127	0.6404
Cycle 37	2.78	1934	58.7	2261	58.7	2572	82.0	86.2	0.3500	0.0123	8.2719	0.5362	0.1714	0.0084	317	115	1.139	0.6654
Cycle 38	2.86	2029	54.3	2378	53.4	2692	73.2	86.7	0.3699	0.0115	9.4024	0.5473	0.1844	0.0082	326	115	1.126	0.6598
Cycle 39	2.93	1921	62.7	2345	54.2	2738	68.5	87.6	0.3471	0.0131	9.0687	0.5377	0.1895	0.0079	323	126	1.062	0.7163
Cycle 40	3.01	2055	53.2	2403	50.5	2712	68.8	87.7	0.3754	0.0114	9.6560	0.5304	0.1865	0.0078	333	107	1.058	0.6988
Cycle 41	3.09	1989	56.9	2325	53.7	2634	73.3	86.7	0.3617	0.0120	8.8687	0.5223	0.1780	0.0078	332	121	1.100	0.6988
Cycle 42	3.16	1969	59.1	2387	50.3	2767	63.7	88.3	0.3571	0.0124	9.4988	0.5205	0.1929	0.0075	337	117	1.036	0.7099
Cycle 43	3.24	1997	59.6	2373	50.4	2714	64.6	88.6	0.3632	0.0126	9.3550	0.5136	0.1868	0.0073	332	122	1.000	0.7044
Cycle 44	3.32	1917	66.2	2308	54.0	2674	66.7	88.3	0.3464	0.0138	8.7096	0.5166	0.1824	0.0074	322	124	1.019	0.7667
Cycle 45	3.40	1970	57.2	2317	50.8	2638	67.4	88.7	0.3575	0.0120	8.7441	0.4899	0.1784	0.0072	353	134	1.065	0.7667
Cycle 46	3.47	1956	58.6	2370	49.0	2748	61.4	88.7	0.3544	0.0123	9.3185	0.4976	0.1907	0.0071	359	139	1.058	0.7182
Cycle 47	3.55	1944	60.2	2335	51.6	2697	65.8	87.9	0.3519	0.0126	8.9724	0.5070	0.1849	0.0074	351	142	1.126	0.7182

^a No pre-sputtering of zircon surface prior to commencement of analysis

^b Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^c Uncertainties listed at the 1σ level.

^d Correction for common Pb made using the measured²⁰⁶Pb/²³⁸Pb ratio.

^e Semi-quantitative estimates based on U/²³⁸U, Th/²³²Th, and ²⁰⁶Pb/²³⁸Pb relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.

Table 5 (continued): Depth-profile U-Pb isotopic data from vein selvage sample A-15-1

Analysis description	Depth (μm) ^f	Ages (Ma)				% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^g	Corrected atomic ratios				Concentrations (ppm) ^h			Correlation of ellipses				
		²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b		²⁰⁷ Pb/ ²⁰⁶ Pb	± ^b	²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b	U		Th	²⁰⁶ Pb		
<i>jabs_mt2_A-15-1</i>																		
Cycle 1	0.00	880	23.0	890	58.9	915	185.8	95.4	0.1462	0.0041	1.4021	0.1394	0.0695	0.0063	557	98	0.243	0.45316
Cycle 2	0.08	897	23.7	923	52.9	987	159.8	96.7	0.1493	0.0042	1.4830	0.1294	0.0720	0.0057	485	91	0.149	0.45337
Cycle 3	0.17	954	24.9	996	52.1	1090	147.8	97.1	0.1595	0.0045	1.6668	0.1365	0.0758	0.0056	420	90	0.118	0.45318
Cycle 4	0.25	916	29.0	873	63.8	765	208.4	96.6	0.1527	0.0052	1.3627	0.1486	0.0647	0.0064	376	86	0.130	0.44302
Cycle 5	0.33	919	30.9	939	54.7	985	159.9	97.6	0.1533	0.0055	1.5208	0.1357	0.0720	0.0057	343	86	0.085	0.47978
Cycle 6	0.41	935	31.0	957	54.3	1007	157.1	97.8	0.1562	0.0056	1.5661	0.1373	0.0727	0.0056	312	81	0.069	0.47311
Cycle 7	0.50	918	36.1	992	48.3	1159	125.0	98.6	0.1530	0.0065	1.6562	0.1263	0.0785	0.0049	271	81	0.041	0.56332
Cycle 8	0.58	927	34.6	949	59.9	1000	173.6	97.7	0.1546	0.0062	1.5452	0.1501	0.0725	0.0062	263	77	0.062	0.46979
Cycle 9	0.66	908	35.9	888	64.8	839	202.4	97.6	0.1513	0.0064	1.3986	0.1530	0.0671	0.0065	253	83	0.064	0.46498
Cycle 10	0.74	921	38.3	944	55.6	998	157.0	98.4	0.1535	0.0069	1.5332	0.1386	0.0724	0.0056	227	72	0.039	0.51905
Cycle 11	0.83	910	41.8	918	53.2	937	149.4	98.8	0.1516	0.0075	1.4695	0.1295	0.0703	0.0051	209	73	0.028	0.56223
Cycle 12	0.91	916	39.6	893	63.2	831	194.3	98.1	0.1530	0.0071	1.4087	0.1498	0.0667	0.0062	210	69	0.043	0.46077
Cycle 13	0.99	938	37.2	904	66.6	824	207.6	97.9	0.1565	0.0067	1.4363	0.1598	0.0665	0.0066	211	78	0.048	0.45349
Cycle 14	1.07	947	39.4	933	58.2	901	170.7	98.5	0.1583	0.0071	1.5073	0.1437	0.0691	0.0057	207	81	0.035	0.46422
Cycle 15	1.16	909	42.3	913	56.7	923	162.6	98.7	0.1514	0.0076	1.4569	0.1372	0.0698	0.0055	203	81	0.031	0.52422
Cycle 16	1.24	942	40.2	992	48.3	1104	124.9	99.1	0.1573	0.0072	1.6559	0.1263	0.0763	0.0048	209	85	0.020	0.57369
Cycle 17	1.32	939	41.1	928	54.3	902	156.2	98.9	0.1567	0.0074	1.4932	0.1333	0.0691	0.0052	210	94	0.027	0.54072
Cycle 18	1.40	920	44.5	950	62.3	1021	172.0	98.3	0.1535	0.0080	1.5497	0.1565	0.0732	0.0062	207	88	0.042	0.54072
Cycle 19	1.49	930	45.5	907	61.0	850	179.0	98.6	0.1553	0.0082	1.4427	0.1468	0.0674	0.0058	192	85	0.032	0.53299
Cycle 20	1.57	922	43.3	908	50.9	875	144.4	99.2	0.1538	0.0077	1.4463	0.1227	0.0682	0.0048	186	83	0.017	0.57007
Cycle 21	1.65	951	41.9	1019	43.7	1168	105.9	99.6	0.1589	0.0075	1.7278	0.1174	0.0788	0.0042	188	80	0.009	0.58099
Cycle 22	1.73	890	47.4	967	48.3	1146	113.5	99.5	0.1480	0.0084	1.5908	0.1232	0.0780	0.0045	165	72	0.009	0.67839
Cycle 23	1.82	937	44.1	967	54.1	1036	145.2	99.1	0.1564	0.0079	1.5913	0.1380	0.0738	0.0053	169	73	0.017	0.55975
Cycle 24	1.90	887	49.7	956	51.5	1117	123.5	99.4	0.1475	0.0089	1.5629	0.1300	0.0768	0.0048	159	72	0.011	0.66996
Cycle 25	1.98	940	45.9	925	48.7	889	133.6	99.5	0.1569	0.0082	1.4863	0.1193	0.0687	0.0044	160	70	0.009	0.59093
Cycle 26	2.06	940	45.5	980	47.5	1071	119.8	99.6	0.1570	0.0082	1.6257	0.1229	0.0751	0.0045	160	62	0.008	0.61885
Cycle 27	2.15	924	48.2	945	55.5	995	148.5	99.2	0.1540	0.0086	1.5361	0.1387	0.0723	0.0053	149	70	0.014	0.58105
Cycle 28	2.23	916	45.6	934	52.2	979	141.7	99.3	0.1527	0.0081	1.5098	0.1290	0.0717	0.0050	149	62	0.011	0.58624
Cycle 29	2.31	887	46.9	898	58.1	924	165.0	99.0	0.1475	0.0083	1.4207	0.1384	0.0699	0.0056	150	64	0.016	0.56260
Cycle 30	2.39	882	46.0	858	56.1	795	168.9	99.2	0.1467	0.0082	1.3278	0.1287	0.0656	0.0053	158	63	0.015	0.58563
Cycle 31	2.48	931	46.7	968	46.5	1053	115.6	99.7	0.1553	0.0084	1.5937	0.1188	0.0744	0.0043	158	68	0.006	0.64282
Cycle 32	2.56	874	51.6	876	62.7	883	179.0	98.9	0.1452	0.0092	1.3702	0.1463	0.0685	0.0059	146	69	0.020	0.58542
Cycle 33	2.64	859	48.5	884	54.5	947	148.6	99.3	0.1425	0.0086	1.3878	0.1282	0.0707	0.0051	152	60	0.013	0.61947
Cycle 34	2.72	905	44.0	947	48.1	1047	126.1	99.5	0.1507	0.0079	1.5423	0.1204	0.0742	0.0046	158	68	0.008	0.60779
Cycle 35	2.81	888	47.6	886	55.0	880	156.3	99.3	0.1477	0.0085	1.3926	0.1296	0.0684	0.0052	148	69	0.012	0.58597
Cycle 36	2.89	890	50.5	892	47.7	896	121.5	99.7	0.1481	0.0090	1.4068	0.1131	0.0689	0.0041	148	67	0.005	0.68447
Cycle 37	2.97	887	49.5	946	49.0	1086	117.2	99.6	0.1475	0.0088	1.5385	0.1225	0.0756	0.0044	158	71	0.007	0.68246
Cycle 38	3.05	891	49.3	938	54.2	1049	139.2	99.3	0.1482	0.0088	1.5178	0.1345	0.0743	0.0051	152	68	0.012	0.62773
Cycle 39	3.14	864	48.5	872	60.7	893	175.4	98.9	0.1435	0.0086	1.3612	0.1410	0.0688	0.0058	152	69	0.019	0.57232
Cycle 40	3.22	851	48.4	821	61.9	739	194.1	98.9	0.1411	0.0086	1.2437	0.1368	0.0639	0.0059	145	67	0.018	0.55192
Cycle 41	3.30	878	52.3	984	46.4	1228	93.3	99.9	0.1460	0.0093	1.6354	0.1204	0.0813	0.0039	136	62	0.001	0.76048
Cycle 42	3.38	905	50.4	980	46.9	1153	105.0	99.8	0.1507	0.0090	1.6259	0.1214	0.0782	0.0041	137	58	0.004	0.71994
Cycle 43	3.47	859	53.1	912	46.5	1045	101.4	99.9	0.1425	0.0094	1.4562	0.1125	0.0741	0.0037	134	62	0.001	0.77085
Cycle 44	3.55	886	51.8	897	49.6	925	125.9	99.7	0.1473	0.0092	1.4197	0.1183	0.0699	0.0043	135	56	0.005	0.68092
Cycle 45	3.63	860	53.8	921	56.7	1072	140.5	99.4	0.1426	0.0095	1.4775	0.1384	0.0751	0.0053	126	58	0.010	0.66665

^a No pre-sputtering of zircon surface prior to commencement of analysis

^b Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^c Uncertainties listed at the 1σ level.

^d Correction for common Pb made using the measured²⁰⁶Pb/²⁰⁶Pb ratio.

^e Semi-quantitative estimates based on U/¹⁷³Zr₂O, Th/¹⁷³Zr₂O, and ²⁰⁶Pb/¹⁷³Zr₂O relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.

Table 5 (continued): Depth-profile U-Pb isotopic data from vein selvage sample C-3-1

Analysis description	Depth (μm) ^f	Ages (Ma)		% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^g	Corrected atomic ratios				Concentrations (ppm) ^h			Correlation of ellipses
		²⁰⁶ Pb/ ²³⁸ U ± ⁱ	²⁰⁷ Pb/ ²³⁵ U ± ⁱ	²⁰⁷ Pb/ ²³⁵ U ± ⁱ	²⁰⁶ Pb/ ²³⁸ U ± ⁱ	²⁰⁷ Pb/ ²³⁵ U ± ⁱ	²⁰⁶ Pb/ ²³⁸ U ± ⁱ	²⁰⁷ Pb/ ²³⁵ U ± ⁱ	U	Th	²⁰⁶ Pb	
<i>jabs_mt2_C-3-1</i>												
Cycle 1	0.00	438 8.7	431 24.6	390 143.1	95.5	0.0704 0.0015	0.5284 0.0370	0.0545 0.0035	3371 1440	0.689	0.44139	
Cycle 2	0.08	459 9.3	506 19.1	724 86.8	97.2	0.0738 0.0015	0.6461 0.0309	0.0635 0.0026	3553 2053	0.468	0.52517	
Cycle 3	0.16	498 8.8	573 16.9	881 67.0	98.0	0.0803 0.0015	0.7577 0.0292	0.0684 0.0021	3297 2250	0.333	0.54541	
Cycle 4	0.23	543 9.6	674 15.9	1140 51.0	98.5	0.0879 0.0016	0.9426 0.0304	0.0777 0.0020	3016 2615	0.245	0.60855	
Cycle 5	0.31	581 11.3	759 16.2	1325 42.7	98.8	0.0943 0.0019	1.1108 0.0336	0.0854 0.0019	2666 2511	0.181	0.68565	
Cycle 6	0.39	616 9.8	812 15.8	1396 43.1	98.8	0.1003 0.0017	1.2252 0.0347	0.0886 0.0020	2423 2511	0.177	0.60727	
Cycle 7	0.47	616 13.2	867 17.3	1580 37.0	99.1	0.1002 0.0022	1.3494 0.0401	0.0977 0.0019	2011 2298	0.117	0.74613	
Cycle 8	0.54	672 15.0	960 18.7	1693 35.8	99.2	0.1099 0.0026	1.5733 0.0473	0.1038 0.0020	1616 1884	0.095	0.76405	
Cycle 9	0.62	722 16.4	1068 19.9	1863 34.8	99.1	0.1185 0.0028	1.8625 0.0561	0.1140 0.0022	1335 1608	0.087	0.7689	
Cycle 10	0.70	818 20.6	1255 22.9	2060 33.9	99.1	0.1353 0.0036	2.3736 0.0761	0.1272 0.0024	1009 1228	0.076	0.80165	
Cycle 11	0.78	1073 26.0	1521 24.4	2216 33.5	99.2	0.1811 0.0048	3.4713 0.1076	0.1391 0.0027	717 782	0.063	0.78514	
Cycle 12	0.85	1227 32.3	1704 26.7	2353 32.6	99.4	0.2096 0.0061	4.3531 0.1408	0.1506 0.0029	565 559	0.043	0.81111	
Cycle 13	0.93	1319 40.4	1817 31.4	2448 34.0	99.3	0.2271 0.0077	4.9854 0.1849	0.1592 0.0032	485 477	0.054	0.84328	
Cycle 14	1.01	1507 41.9	1972 29.7	2503 33.6	99.4	0.2633 0.0082	5.9750 0.2041	0.1646 0.0033	422 354	0.042	0.81694	
Cycle 15	1.09	1647 46.2	2102 30.8	2583 33.8	99.3	0.2910 0.0092	6.9242 0.2403	0.1726 0.0035	398 321	0.053	0.81752	
Cycle 16	1.16	1541 42.6	1994 30.3	2503 34.5	99.1	0.2701 0.0084	6.1291 0.2124	0.1646 0.0034	447 303	0.068	0.81064	
Cycle 17	1.24	1446 38.8	1944 28.9	2526 33.1	99.2	0.2515 0.0075	5.7854 0.1933	0.1668 0.0033	525 486	0.072	0.81124	
Cycle 18	1.32	1330 35.1	1836 29.1	2470 35.1	98.6	0.2292 0.0067	5.0995 0.1745	0.1614 0.0034	568 576	0.120	0.79582	
Cycle 19	1.40	1244 34.1	1771 30.7	2463 37.6	97.8	0.2129 0.0064	4.7182 0.1729	0.1607 0.0036	634 839	0.195	0.79502	
Cycle 20	1.47	1232 32.5	1739 30.4	2417 39.2	97.5	0.2106 0.0061	4.5432 0.1662	0.1564 0.0036	711 982	0.251	0.77528	
Cycle 21	1.55	1173 35.2	1715 31.6	2459 35.2	98.0	0.1996 0.0066	4.4114 0.1682	0.1603 0.0033	714 659	0.199	0.83768	
Cycle 22	1.63	1228 33.0	1742 29.5	2430 35.8	98.0	0.2099 0.0062	4.5596 0.1615	0.1576 0.0033	684 508	0.191	0.80307	
Cycle 23	1.71	1382 37.7	1860 28.8	2447 31.7	99.0	0.2391 0.0072	5.2470 0.1772	0.1591 0.0030	621 355	0.099	0.84328	
Cycle 24	1.79	1477 41.5	1970 29.4	2535 29.7	99.4	0.2575 0.0081	5.9565 0.2016	0.1678 0.0030	568 277	0.062	0.8553	
Cycle 25	1.86	1625 51.9	2072 34.1	2551 31.8	99.1	0.2867 0.0103	6.6922 0.2584	0.1693 0.0032	452 209	0.081	0.87272	
Cycle 26	1.94	1773 62.8	2169 38.3	2567 33.1	99.1	0.3166 0.0128	7.4628 0.3195	0.1710 0.0034	392 173	0.084	0.88825	
Cycle 27	2.02	1880 66.6	2282 38.3	2665 31.0	99.6	0.3386 0.0138	8.4663 0.3570	0.1813 0.0034	378 186	0.038	0.89688	
Cycle 28	2.10	1980 60.8	2307 34.2	2610 32.4	99.4	0.3594 0.0128	8.6940 0.3265	0.1754 0.0034	365 156	0.049	0.86043	
Cycle 29	2.17	1891 68.5	2265 39.4	2623 32.8	99.4	0.3409 0.0142	8.3066 0.3607	0.1768 0.0035	366 172	0.050	0.89385	
Cycle 30	2.25	1913 72.2	2272 40.9	2613 32.9	99.5	0.3454 0.0151	8.3704 0.3772	0.1758 0.0035	346 164	0.041	0.90119	
Cycle 31	2.33	1882 80.1	2253 45.6	2609 33.6	99.6	0.3391 0.0166	8.1970 0.4128	0.1753 0.0035	316 164	0.034	0.91793	
Cycle 32	2.41	1914 80.4	2251 45.3	2573 34.4	99.5	0.3457 0.0168	8.1795 0.4091	0.1716 0.0035	311 170	0.042	0.91296	
Cycle 33	2.48	1941 76.8	2298 42.7	2632 33.0	99.7	0.3513 0.0161	8.6101 0.4041	0.1778 0.0035	313 155	0.022	0.90884	
Cycle 34	2.56	1878 79.0	2265 44.9	2635 32.8	99.8	0.3382 0.0164	8.3037 0.4110	0.1781 0.0035	317 150	0.016	0.91904	
Cycle 35	2.64	1890 80.3	2262 45.4	2619 33.2	99.8	0.3407 0.0167	8.2815 0.4146	0.1763 0.0035	310 157	0.019	0.91904	
Cycle 36	2.72	1926 73.7	2274 41.4	2604 33.5	99.7	0.3482 0.0154	8.3901 0.3825	0.1747 0.0035	314 142	0.028	0.90041	
Cycle 37	2.79	1879 78.6	2261 45.0	2627 34.3	99.5	0.3384 0.0163	8.2670 0.4107	0.1772 0.0037	316 149	0.042	0.91149	
Cycle 38	2.87	1784 77.8	2193 46.4	2601 34.8	99.3	0.3189 0.0159	7.6723 0.3959	0.1745 0.0036	333 151	0.056	0.91618	
Cycle 39	2.95	1829 74.6	2224 43.9	2611 34.8	99.3	0.3281 0.0154	7.9384 0.3864	0.1755 0.0037	339 180	0.064	0.90483	
Cycle 40	3.03	1736 74.7	2156 45.7	2583 35.1	99.2	0.3091 0.0152	7.3550 0.3757	0.1726 0.0036	360 179	0.075	0.91259	
Cycle 41	3.10	1717 72.0	2135 44.3	2566 35.0	99.2	0.3051 0.0146	7.1859 0.3571	0.1708 0.0036	351 164	0.062	0.90872	
Cycle 42	3.18	1762 70.4	2190 42.5	2618 33.7	99.4	0.3144 0.0143	7.6423 0.3614	0.1763 0.0036	351 153	0.048	0.90552	
Cycle 43	3.26	1761 78.0	2169 47.0	2581 35.6	99.2	0.3142 0.0159	7.4701 0.3923	0.1724 0.0037	338 160	0.071	0.91509	
Cycle 44	3.34	1709 74.5	2146 46.1	2595 35.3	99.1	0.3036 0.0151	7.2756 0.3755	0.1738 0.0037	349 154	0.075	0.91327	
Cycle 45	3.41	1663 76.3	2106 48.2	2573 36.1	98.9	0.2943 0.0153	6.9590 0.3774	0.1715 0.0037	357 174	0.093	0.91821	
Cycle 46	3.49	1687 76.7	2105 47.5	2543 35.2	99.3	0.2991 0.0155	6.9498 0.3717	0.1685 0.0035	350 166	0.063	0.9209	
Cycle 47	3.57	1659 72.5	2091 45.5	2548 34.6	99.3	0.2934 0.0145	6.8398 0.3514	0.1691 0.0035	362 155	0.058	0.91706	

^f No pre-sputtering of zircon surface prior to commencement of analysis

^g Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^h Uncertainties listed at the 1σ level.

ⁱ Correction for common Pb made using the measured²⁰⁶Pb/²³⁸Pb ratio.

^j Semi-quantitative estimates based on U/²³⁸U, Th/²³²Th, and ²⁰⁶Pb/²³⁸Pb relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.

Table 6: Depth-profile U-Pb isotopic data from little-altered schist sample D-6-1

Analysis description	Depth (μm) ^f	Ages (Ma)					% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^d	Corrected atomic ratios					Concentrations (ppm) ^g			Correlation of ellipses		
		²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b	²⁰⁷ Pb/ ²⁰⁶ Pb		²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b	²⁰⁷ Pb/ ²⁰⁶ Pb*	± ^b	U	Th			
<i>jahp_m12_D-6-1</i>																		
Cycle 1	0.00	1568	41.0	2015	39.2	2511	57.2	96.7	0.2754	0.0081	6.2758	0.2812	0.1653	0.0056	420	555	0.196	0.65082
Cycle 2	0.09	1962	56.2	2288	36.5	2594	45.8	98.4	0.3558	0.0118	8.5225	0.3427	0.1737	0.0048	346	376	0.095	0.73567
Cycle 3	0.18	2142	61.2	2382	37.0	2595	46.6	98.5	0.3941	0.0132	9.4444	0.3808	0.1738	0.0049	302	347	0.089	0.72811
Cycle 4	0.27	2208	60.8	2394	35.2	2556	46.4	99.0	0.4084	0.0133	9.5642	0.3662	0.1699	0.0047	273	302	0.058	0.70557
Cycle 5	0.35	2297	75.8	2477	39.2	2628	42.8	99.6	0.4281	0.0168	10.4640	0.4423	0.1773	0.0046	264	259	0.024	0.80245
Cycle 6	0.44	2273	76.6	2465	40.1	2627	44.3	99.5	0.4228	0.0169	10.3330	0.4470	0.1773	0.0047	249	232	0.023	0.79787
Cycle 7	0.53	2148	64.0	2394	36.5	2610	48.0	99.4	0.3955	0.0139	9.5671	0.3796	0.1755	0.0051	214	222	0.027	0.70838
Cycle 8	0.62	2217	77.4	2418	41.7	2592	50.0	99.6	0.4104	0.0169	9.8202	0.4447	0.1736	0.0052	188	200	0.016	0.76375
Cycle 9	0.71	2323	95.4	2459	49.8	2573	57.1	99.4	0.4338	0.0212	10.2650	0.5522	0.1716	0.0059	146	187	0.017	0.78237
Cycle 10	0.80	2254	93.5	2402	54.1	2547	69.7	98.8	0.4143	0.0205	9.6467	0.5669	0.1689	0.0070	118	177	0.028	0.71774
Cycle 11	0.89	2161	93.9	2454	52.3	2671	67.6	99.6	0.3983	0.0204	9.9935	0.5667	0.1820	0.0074	98	161	0.009	0.71806
Cycle 12	0.97	2093	95.9	2337	58.0	2557	78.4	99.1	0.3836	0.0206	8.9861	0.5704	0.1699	0.0080	88	153	0.016	0.69219
Cycle 13	1.06	2199	110.6	2460	61.1	2684	75.2	99.4	0.4065	0.0241	10.2780	0.6789	0.1834	0.0083	79	138	0.009	0.74204
Cycle 14	1.15	2122	107.0	2346	63.9	2547	84.0	99.0	0.3899	0.0231	9.0803	0.6345	0.1689	0.0085	78	136	0.014	0.71002
Cycle 15	1.24	2201	115.5	2404	70.5	2580	93.5	98.4	0.4070	0.0252	9.6701	0.7408	0.1723	0.0097	66	112	0.022	0.69197
Cycle 16	1.33	2284	124.0	2452	65.9	2595	81.1	99.5	0.4251	0.0274	10.1880	0.7266	0.1738	0.0085	67	112	0.006	0.74783
Cycle 17	1.42	2058	105.4	2380	60.9	2668	81.3	99.6	0.3761	0.0225	9.4201	0.6253	0.1817	0.0089	63	121	0.005	0.70164
Cycle 18	1.50	2217	118.4	2377	70.8	2517	96.5	98.7	0.4105	0.0259	9.3922	0.7250	0.1659	0.0095	59	113	0.016	0.6818
Cycle 19	1.59	2193	116.3	2401	66.4	2582	89.0	99.2	0.4051	0.0254	9.6372	0.6954	0.1725	0.0092	61	111	0.010	0.69568
Cycle 20	1.68	2306	126.0	2463	67.7	2596	87.1	99.4	0.4300	0.0280	10.3110	0.7546	0.1739	0.0091	58	112	0.008	0.72002
Cycle 21	1.77	2110	114.4	2312	74.8	2495	106.0	98.2	0.3872	0.0246	8.7446	0.7179	0.1638	0.0103	53	107	0.021	0.65351
Cycle 22	1.86	2365	134.3	2499	72.0	2609	91.5	99.2	0.4431	0.0301	10.7130	0.8304	0.1753	0.0096	55	101	0.010	0.72184
Cycle 23	1.95	2214	123.5	2437	70.0	2629	93.5	99.2	0.4098	0.0270	10.0210	0.7603	0.1774	0.0100	50	108	0.009	0.69344
Cycle 24	2.04	2090	119.0	2393	68.2	2661	90.6	99.5	0.3830	0.0255	9.5544	0.7091	0.1809	0.0099	49	109	0.006	0.70341
Cycle 25	2.12	2352	134.0	2470	76.5	2568	101.8	98.5	0.4404	0.0299	10.3890	0.8584	0.1711	0.0104	52	107	0.017	0.68899
Cycle 26	2.21	2248	126.5	2484	68.5	2683	89.8	99.5	0.4172	0.0278	10.5420	0.7792	0.1833	0.0099	51	112	0.006	0.70635
Cycle 27	2.30	2235	128.9	2431	72.7	2600	97.9	99.1	0.4144	0.0283	9.9605	0.7848	0.1743	0.0102	47	111	0.010	0.6893
Cycle 28	2.39	2144	125.5	2360	74.2	2553	101.6	98.9	0.3946	0.0271	9.2198	0.7472	0.1695	0.0103	45	98	0.012	0.6836

^a No pre-sputtering of zircon surface prior to commencement of analysis

^b Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^c Uncertainties listed at the 1σ level.

^d Correction for common Pb made using the measured ²⁰⁴Pb/²⁰⁶Pb ratio.

^e Semi-quantitative estimates based on U/²³⁸ZrO, Th/²³²ZrO, and ²⁰⁶Pb/²⁰⁶ZrO relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.

Table 6 (continued): Depth-profile U-Pb isotopic data from little-altered schist sample D-6-:

Analysis description	Depth (μm) ^f	Ages (Ma)				% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^g	Corrected atomic ratios				Concentrations (ppm) ^h			Correlation of ellipses	
		²⁰⁶ Pb/ ²³⁸ U ± ^b	²⁰⁷ Pb/ ²³⁵ U ± ^c	²⁰⁷ Pb/ ²³⁵ U ± ^c	²⁰⁷ Pb/ ²⁰⁶ Pb ± ^d		²⁰⁶ Pb/ ²³⁸ U ± ^b	²⁰⁷ Pb/ ²³⁵ U ± ^c	²⁰⁷ Pb/ ²⁰⁶ Pb ± ^d	U	Th	²⁰⁶ Pb			
<i>jahp_mt2_D-6-3</i>															
Cycle 1	0.00	2295 113.5	2416 83.9	2520 108.5	91.8	0.4276	0.0251	9.8008	0.8926	0.1663	0.0107	317	360	0.507	0.70771
Cycle 2	0.08	2324 108.5	2461 75.3	2576 95.4	93.7	0.4341	0.0241	10.2880	0.8369	0.1719	0.0098	292	326	0.371	0.71272
Cycle 3	0.17	2389 115.9	2424 86.0	2454 115.9	92.5	0.4487	0.0260	9.8864	0.9216	0.1598	0.0109	269	295	0.427	0.68048
Cycle 4	0.25	2439 119.8	2518 80.4	2583 102.6	93.9	0.4598	0.0271	10.9430	0.9460	0.1726	0.0106	236	266	0.310	0.7038
Cycle 5	0.33	2399 111.7	2453 86.5	2499 120.4	92.8	0.4508	0.0251	10.2030	0.9545	0.1642	0.0117	205	215	0.336	0.64659
Cycle 6	0.42	2427 109.2	2558 74.0	2665 97.9	94.8	0.4571	0.0247	11.4240	0.9057	0.1813	0.0107	189	215	0.232	0.667
Cycle 7	0.50	2683 145.2	2616 85.6	2564 105.2	94.7	0.5161	0.0342	12.1470	1.1042	0.1707	0.0107	182	189	0.224	0.72438
Cycle 8	0.58	2194 100.9	2440 73.1	2653 100.0	95.2	0.4054	0.0220	10.0590	0.7960	0.1800	0.0108	160	180	0.199	0.64887
Cycle 9	0.67	2522 117.7	2489 81.0	2462 113.5	95.0	0.4788	0.0270	10.6050	0.9255	0.1606	0.0108	158	159	0.198	0.63848
Cycle 10	0.75	2333 107.2	2428 79.5	2509 113.4	94.8	0.4361	0.0239	9.9308	0.8556	0.1652	0.0111	152	163	0.209	0.62236
Cycle 11	0.83	2358 107.5	2474 77.2	2572 108.1	94.9	0.4416	0.0240	10.4380	0.8700	0.1715	0.0111	153	141	0.199	0.63109
Cycle 12	0.91	2364 109.6	2526 68.6	2658 91.9	96.7	0.4430	0.0245	11.0320	0.8124	0.1806	0.0100	142	142	0.130	0.66438
Cycle 13	1.00	2295 116.1	2513 68.3	2695 86.7	97.4	0.4276	0.0257	10.8850	0.8000	0.1846	0.0097	125	120	0.097	0.70839
Cycle 14	1.08	2410 107.9	2490 68.7	2557 94.8	96.6	0.4532	0.0243	10.6200	0.7857	0.1699	0.0096	142	121	0.129	0.64837
Cycle 15	1.16	2345 112.9	2465 73.4	2565 99.8	96.0	0.4388	0.0252	10.3290	0.8183	0.1707	0.0102	131	120	0.152	0.66108
Cycle 16	1.25	2241 115.9	2405 74.3	2548 98.2	96.3	0.4157	0.0255	9.8666	0.7821	0.1690	0.0099	136	125	0.152	0.69112
Cycle 17	1.33	2402 117.4	2510 66.3	2598 85.6	97.7	0.4515	0.0264	10.8440	0.7733	0.1742	0.0089	133	125	0.094	0.70404
Cycle 18	1.41	2438 111.7	2481 67.7	2517 92.6	97.0	0.4597	0.0253	10.5130	0.7676	0.1659	0.0091	138	133	0.121	0.66255
Cycle 19	1.50	2346 117.6	2450 70.5	2538 92.4	97.0	0.4389	0.0263	10.1710	0.7752	0.1681	0.0093	139	133	0.130	0.69631
Cycle 20	1.58	2299 120.0	2433 72.7	2547 93.8	96.7	0.4285	0.0266	9.9774	0.7858	0.1689	0.0095	136	130	0.141	0.70767
Cycle 21	1.66	2321 113.7	2442 69.1	2544 91.1	97.0	0.4333	0.0253	10.0750	0.7532	0.1686	0.0092	136	141	0.124	0.69223
Cycle 22	1.75	2290 118.6	2492 65.3	2661 78.6	98.3	0.4264	0.0262	10.6370	0.7478	0.1809	0.0086	136	131	0.072	0.74915
Cycle 23	1.83	2326 112.2	2518 62.4	2677 77.9	98.2	0.4345	0.0250	10.9430	0.7337	0.1827	0.0086	139	124	0.074	0.7246
Cycle 24	1.91	2218 127.5	2431 72.9	2613 86.0	97.6	0.4108	0.0279	9.9549	0.7869	0.1758	0.0091	120	124	0.096	0.76272
Cycle 25	2.00	2402 110.1	2480 63.8	2544 85.1	97.6	0.4516	0.0248	10.5010	0.7230	0.1686	0.0086	140	126	0.096	0.68441
Cycle 26	2.08	2235 126.6	2436 69.1	2608 79.4	98.5	0.4144	0.0278	10.0140	0.7493	0.1753	0.0084	129	126	0.065	0.77961
Cycle 27	2.16	2205 120.0	2462 64.3	2683 72.1	99.1	0.4078	0.0262	10.3030	0.7153	0.1833	0.0080	132	125	0.037	0.78974
Cycle 28	2.25	2234 129.2	2441 70.6	2619 80.5	98.3	0.4141	0.0283	10.0700	0.7701	0.1763	0.0085	120	104	0.068	0.7826
Cycle 29	2.33	2311 117.6	2484 64.4	2628 78.6	98.3	0.4312	0.0261	10.5440	0.7325	0.1773	0.0084	130	123	0.066	0.74333
Cycle 30	2.41	2244 123.7	2432 68.2	2594 80.1	98.3	0.4163	0.0272	9.9728	0.7374	0.1738	0.0083	124	119	0.068	0.76859
Cycle 31	2.50	2208 123.1	2447 67.4	2652 76.5	98.6	0.4085	0.0269	10.1320	0.7385	0.1799	0.0083	125	116	0.057	0.78369
Cycle 32	2.58	2186 131.6	2404 73.4	2594 82.4	98.1	0.4037	0.0286	9.6732	0.7712	0.1738	0.0086	120	119	0.080	0.79102
Cycle 33	2.66	2202 125.0	2443 68.1	2651 76.3	98.6	0.4071	0.0273	10.0910	0.7442	0.1798	0.0083	122	117	0.055	0.79032
Cycle 34	2.75	2232 136.3	2450 71.1	2636 74.9	99.1	0.4137	0.0299	10.1630	0.7816	0.1782	0.0080	113	105	0.035	0.81902
Cycle 35	2.83	2265 127.8	2474 68.2	2651 76.5	98.6	0.4210	0.0282	10.4380	0.7687	0.1798	0.0083	122	114	0.057	0.78861
Cycle 36	2.91	2200 131.4	2450 69.7	2664 74.1	99.1	0.4066	0.0287	10.1600	0.7661	0.1812	0.0081	114	104	0.037	0.81404
Cycle 37	2.99	2155 126.6	2390 70.5	2597 78.8	98.4	0.3969	0.0274	9.5264	0.7308	0.1741	0.0082	120	121	0.063	0.79463
Cycle 38	3.08	2274 129.3	2427 70.2	2559 81.1	98.2	0.4230	0.0285	9.9206	0.7551	0.1701	0.0082	124	115	0.075	0.77877
Cycle 39	3.16	2296 124.8	2486 65.8	2646 74.8	98.8	0.4278	0.0276	10.5710	0.7502	0.1792	0.0081	124	108	0.050	0.78278
Cycle 40	3.24	2274 132.1	2485 67.2	2662 71.0	99.5	0.4229	0.0292	10.5520	0.7640	0.1810	0.0078	117	111	0.020	0.81708
Cycle 41	3.33	2156 139.6	2335 75.2	2496 80.1	98.8	0.3972	0.0303	8.9748	0.7384	0.1639	0.0078	106	103	0.046	0.82261
Cycle 42	3.41	2347 131.3	2479 67.1	2588 75.5	99.0	0.4391	0.0293	10.4840	0.7593	0.1732	0.0078	112	94	0.039	0.79171
Cycle 43	3.49	2157 132.3	2385 71.5	2586 76.3	98.9	0.3973	0.0287	9.4697	0.7372	0.1729	0.0079	116	107	0.045	0.81705
Cycle 44	3.58	2125 140.1	2387 74.8	2618 74.5	99.2	0.3904	0.0302	9.4887	0.7727	0.1763	0.0079	110	106	0.031	0.84211
Cycle 45	3.66	2237 139.8	2442 72.7	2617 75.6	99.1	0.4149	0.0307	10.0750	0.7930	0.1761	0.0080	111	104	0.039	0.82462

No pre-sputtering of zircon surface prior to commencement of analysis

^a Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^b Uncertainties listed at the 1σ level.

^c Correction for common Pb made using the measured²⁰⁶Pb/²⁰⁶Pb ratio.

^d Semi-quantitative estimates based on U/¹⁷Zr₂O, Th/¹⁷Zr₂O, and ²⁰⁶Pb/²⁰⁶Pb relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.

Table 6 (continued): Depth-profile U-Pb isotopic data from little-altered schist sample D-6-4

Analysis description	Depth (μm) ^a	Ages (Ma)				% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^d	Corrected atomic ratios				Concentrations (ppm) ^e			Correlation of ellipses				
		²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b		²⁰⁷ Pb/ ²⁰⁶ Pb	²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	± ^b	²⁰⁷ Pb/ ²⁰⁶ Pb ^c	U		Th			
<i>zabp_m12_D-6-4</i>																		
Cycle 1	0.00	727	13.5	1073	28.1	1863	64.7	97.6	0.1194	0.0023	1.8756	0.0795	0.1139	0.0041	952	389	0.138	0.53929
Cycle 2	0.08	1057	20.5	1510	25.7	2220	46.5	98.8	0.1782	0.0038	3.4255	0.1120	0.1394	0.0037	535	228	0.063	0.57657
Cycle 3	0.15	1173	25.4	1690	25.2	2408	41.2	99.3	0.1996	0.0047	4.2799	0.1313	0.1555	0.0038	61	88	0.01	0.62899
Cycle 4	0.23	1302	30.9	1809	28.2	2456	43.9	99.2	0.2233	0.0059	4.9384	0.1652	0.1601	0.0042	338	166	0.035	0.64539
Cycle 5	0.31	1269	41.1	1814	34.9	2515	45.3	99.2	0.2175	0.0078	4.9692	0.2054	0.1657	0.0045	284	154	0.033	0.76451
Cycle 6	0.39	1331	41.3	1869	33.0	2534	43.7	99.6	0.2293	0.0079	5.3007	0.2050	0.1676	0.0044	262	150	0.016	0.75994
Cycle 7	0.46	1364	43.4	1913	33.0	2574	42.5	99.9	0.2357	0.0083	5.5800	0.2136	0.1717	0.0044	237	148	0.004	0.7643
Cycle 8	0.54	1378	52.7	1948	38.9	2623	44.8	99.9	0.2383	0.0101	5.8092	0.2611	0.1768	0.0048	199	137	0.003	0.8113
Cycle 9	0.62	1323	50.9	1869	39.5	2545	48.5	99.8	0.2279	0.0097	5.3010	0.2449	0.1687	0.0049	192	134	0.007	0.79025
Cycle 10	0.69	1335	51.4	1895	42.7	2580	56.8	99.1	0.2302	0.0098	5.4659	0.2719	0.1723	0.0059	163	132	0.021	0.73958
Cycle 11	0.77	1379	60.8	1914	47.0	2557	59.7	99.5	0.2386	0.0117	5.5884	0.3049	0.1699	0.0061	131	125	0.011	0.76779
Cycle 12	0.85	1401	65.0	1913	49.4	2524	64.8	99.6	0.2428	0.0125	5.5779	0.3200	0.1666	0.0064	108	112	0.007	0.75445
Cycle 13	0.93	1329	70.9	1913	54.6	2623	67.1	99.8	0.2289	0.0135	5.5787	0.3537	0.1767	0.0071	109	103	0.01	0.78472
Cycle 14	1.00	1394	70.6	1964	52.2	2632	68.9	100.0	0.2415	0.0136	5.9172	0.3558	0.1777	0.0074	80	99	0.000	0.74852
Cycle 15	1.08	1251	78.1	1848	62.2	2606	76.6	99.9	0.2142	0.0147	5.1686	0.3776	0.1750	0.0080	68	97	0.001	0.791
Cycle 16	1.16	1256	68.4	1835	58.8	2574	84.0	99.5	0.2151	0.0129	5.0931	0.3530	0.1717	0.0086	69	92	0.005	0.70644
Cycle 17	1.23	1314	72.4	1943	61.7	2701	86.5	99.3	0.2262	0.0138	5.7774	0.4118	0.1853	0.0097	61	88	0.003	0.696
Cycle 18	1.31	1224	78.2	1746	66.4	2446	93.3	99.6	0.2090	0.0147	4.5840	0.3651	0.1591	0.0088	55	87	0.004	0.73635
Cycle 19	1.39	1193	85.1	1805	72.4	2609	92.4	99.5	0.2033	0.0159	4.9148	0.4216	0.1753	0.0097	51	88	0.004	0.77464
Cycle 20	1.47	1276	77.0	1887	63.7	2647	88.1	99.7	0.2189	0.0146	5.4126	0.4025	0.1794	0.0095	55	82	0.003	0.721
Cycle 21	1.54	1214	85.0	1833	69.0	2634	88.0	100.0	0.2072	0.0159	5.0826	0.4133	0.1779	0.0094	48	86	0.000	0.77744
Cycle 22	1.62	1211	78.7	1784	64.4	2541	89.0	100.0	0.2066	0.0147	4.7948	0.3677	0.1683	0.0089	51	83	0.003	0.74491
Cycle 23	1.70	1179	88.8	1776	75.0	2573	96.3	99.7	0.2006	0.0165	4.7465	0.4242	0.1716	0.0099	44	87	0.002	0.77776
Cycle 24	1.77	1163	83.3	1721	75.6	2488	106.5	99.2	0.1977	0.0155	4.4461	0.4054	0.1631	0.0103	47	88	0.006	0.73213
Cycle 25	1.85	1152	85.6	1804	72.3	2671	91.7	100.0	0.1956	0.0159	4.9090	0.4207	0.1820	0.0101	44	88	0.000	0.78091
Cycle 26	1.93	1159	83.8	1690	72.3	2432	102.9	99.7	0.1970	0.0156	4.2845	0.3764	0.1578	0.0094	46	80	0.002	0.75039
Cycle 27	2.01	1162	89.4	1706	80.4	2460	112.1	99.2	0.1975	0.0166	4.3676	0.4250	0.1604	0.0106	46	81	0.003	0.74191
Cycle 28	2.08	1166	81.6	1734	71.0	2510	99.8	99.7	0.1983	0.0152	4.5176	0.3860	0.1653	0.0098	48	82	0.002	0.73691
Cycle 29	2.16	1233	85.2	1855	75.2	2648	104.1	99.2	0.2107	0.0160	5.2133	0.4603	0.1794	0.0113	46	81	0.006	0.71759
Cycle 30	2.24	1076	84.5	1691	78.2	2569	105.0	99.5	0.1817	0.0155	4.2874	0.4074	0.1712	0.0108	43	80	0.004	0.76237
Cycle 31	2.31	1105	87.6	1683	85.5	2504	121.2	98.7	0.1870	0.0161	4.2452	0.4414	0.1647	0.0119	42	87	0.010	0.72846
Cycle 32	2.39	1095	87.3	1723	77.3	2601	100.9	99.8	0.1852	0.0161	4.4548	0.4153	0.1744	0.0106	42	87	0.002	0.77596
Cycle 33	2.47	1147	83.2	1712	77.8	2495	113.4	99.2	0.1947	0.0154	4.3969	0.4133	0.1638	0.0110	41	79	0.006	0.71022
Cycle 34	2.55	1123	88.6	1689	85.9	2486	123.6	98.8	0.1903	0.0164	4.2754	0.4462	0.1629	0.0120	41	89	0.009	0.71907
Cycle 35	2.62	1097	84.7	1662	81.6	2474	118.4	99.1	0.1855	0.0156	4.1374	0.4130	0.1618	0.0114	43	79	0.006	0.72107
Cycle 36	2.70	1186	83.2	1785	71.4	2581	101.9	99.8	0.2019	0.0155	4.8005	0.4081	0.1724	0.0105	44	79	0.004	0.71997
Cycle 37	2.78	1089	83.8	1666	79.3	2496	114.0	99.3	0.1841	0.0154	4.1590	0.4029	0.1639	0.0111	42	76	0.004	0.72783
Cycle 38	2.85	1070	87.4	1659	81.3	2514	113.0	99.5	0.1805	0.0160	4.1224	0.4099	0.1656	0.0111	40	79	0.003	0.75044
Cycle 39	2.93	1150	85.7	1748	72.7	2564	100.0	100.0	0.1953	0.0159	4.5953	0.4004	0.1706	0.0102	42	78	0.000	0.75023
Cycle 40	3.01	1045	87.2	1646	81.2	2529	110.5	99.6	0.1760	0.0159	4.0564	0.4043	0.1671	0.0110	39	81	0.003	0.76424
Cycle 41	3.09	1152	93.3	1708	86.3	2479	123.4	99.1	0.1956	0.0173	4.3749	0.4567	0.1622	0.0119	37	78	0.004	0.72401
Cycle 42	3.16	1095	87.1	1698	77.6	2552	106.0	99.8	0.1851	0.0160	4.3228	0.4070	0.1694	0.0107	43	84	0.001	0.75757
Cycle 43	3.24	1118	83.8	1734	77.2	2585	109.7	99.5	0.1894	0.0155	4.5136	0.4190	0.1728	0.0114	45	83	0.003	0.72346
Cycle 44	3.32	1085	88.2	1693	79.2	2558	108.1	99.8	0.1833	0.0162	4.2992	0.4133	0.1701	0.0110	40	80	0.001	0.75758
Cycle 45	3.39	1062	87.1	1634	85.7	2476	125.1	99.1	0.1792	0.0159	3.9995	0.4220	0.1619	0.0120	40	78	0.006	0.72184
Cycle 46	3.47	1191	91.9	1700	85.7	2400	129.7	99.0	0.2030	0.0171	4.3341	0.4500	0.1549	0.0118	39	79	0.007	0.68869
Cycle 47	3.55	1060	89.6	1681	80.0	2578	106.8	100.0	0.1786	0.0164	4.2377	0.4126	0.1721	0.0110	37	88	0.000	0.77296
Cycle 48	3.63	1037	78.9	1668	72.5	2589	102.0	100.0	0.1745	0.0144	4.1673	0.3692	0.1732	0.0106	44	80	0.000	0.74637
Cycle 49	3.70	1086	85.1	1640	80.8	2447	119.6	99.4	0.1834	0.0156	4.0267	0.4001	0.1592	0.0113	40	82	0.004	0.71648
Cycle 50	3.78	1001	81.6	1467	94.8	2226	159.3	98.2	0.1680	0.0148	3.2413	0.3959	0.1399	0.0129	40	66	0.029	0.66067
Cycle 51	3.86	1056	83.2	1679	81.8	2580	117.6	99.3	0.1780	0.0152	4.2279	0.4212	0.1723	0.0121	41	87	0.005	0.72031
Cycle 52	3.93	1078	88.0	1669	84.7	2520	122.8	99.3	0.1820	0.0161	4.1726	0.4317	0.1663	0.0121	39	82	0.005	0.7208
Cycle 53	4.01	1045	88.8	1615	87.4	2466	128.4	99.2	0.1760	0.0162	3.9072	0.4222	0.1610	0.0122	37	78	0.003	0.72235
Cycle 54	4.09	1060	84.1	1653	81.3	2519	119.9	99.4	0.1787	0.0154	4.0933	0.4079	0.1661	0.0119	39	77	0.005	0.71393
Cycle 55	4.17	1083	89.8	1683	79.3	2542	111.1	100.0	0.1829	0.0165	4.2464	0.4099	0.1684	0.0112	35	78	0.002	0.7499
Cycle 56	4.24	981	91.6	1576	85.5	2501	116.8	100.0	0.1643	0.0165	3.7233	0.3976	0.1643	0.0114	31	71	0.000	0.77764
Cycle 57	4.32	1106	83.9	1702	73.9	2540	108.0	100.0	0.1872	0.0154	4.3434	0.3888	0.1683	0.0108	38	74	0.000	0.72226

^a No pre-sputtering of zircon surface prior to commencement of analysis

^b Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^c Uncertainties listed at the 1σ level.

^d Correction for common Pb made using the measured²⁰⁶Pb/²⁰⁶Pb ratio.

^e Semi-quantitative estimates based on U/²³⁸U, Th/²³²Th, and ²⁰⁶Pb/²³⁸U relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.

Table 6 (continued): Depth-profile U-Pb isotopic data from little-altered schist sample D-16-1

Analysis description	Depth (μm) ^a	Ages (Ma)				% radiogenic ²⁰⁶ Pb/ ²³⁸ U ^c	Corrected atomic ratios				Concentrations (ppm) ^d			Correlation of ellipses				
		²⁰⁶ Pb/ ²³⁸ U	± ^b	²⁰⁷ Pb/ ²³⁵ U	±		²⁰⁶ Pb/ ²³⁸ U	±	²⁰⁷ Pb/ ²³⁵ U	±	²⁰⁷ Pb/ ²⁰⁶ Pb*	±	U		Th			
<i>jahp_mt2_D-16-1</i>																		
Cycle 1	0.00	929	18.8	950	25.4	997	70.5	98.8	0.1550	0.0034	1.5478	0.0638	0.0724	0.0025	789	223	0.089	0.5387
Cycle 2	0.09	915	23.1	941	24.3	1001	60.2	99.3	0.1525	0.0041	1.5251	0.0604	0.0725	0.0021	757	217	0.056	0.6638
Cycle 3	0.17	923	21.8	980	21.5	999	49.6	99.6	0.1540	0.0039	1.6240	0.0556	0.0765	0.0019	749	203	0.032	0.6039
Cycle 4	0.26	906	24.4	945	24.5	1035	57.8	99.3	0.1510	0.0044	1.5352	0.0613	0.0738	0.0021	726	207	0.047	0.6973
Cycle 5	0.35	886	28.6	911	26.9	970	60.0	99.4	0.1474	0.0051	1.4518	0.0648	0.0714	0.0021	671	177	0.044	0.7530
Cycle 6	0.43	888	26.8	953	24.4	1108	49.4	99.6	0.1476	0.0048	1.5566	0.0614	0.0765	0.0019	662	179	0.025	0.7799
Cycle 7	0.52	867	30.2	913	27.0	1025	53.9	99.6	0.1440	0.0054	1.4567	0.0652	0.0734	0.0020	633	175	0.029	0.7903
Cycle 8	0.60	863	29.8	918	27.6	1054	56.8	99.4	0.1432	0.0053	1.4704	0.0671	0.0745	0.0021	653	168	0.038	0.8152
Cycle 9	0.69	862	29.9	900	27.0	994	56.0	99.5	0.1431	0.0053	1.4261	0.0645	0.0723	0.0020	638	167	0.031	0.7936
Cycle 10	0.78	822	33.6	889	29.1	1059	50.5	99.7	0.1359	0.0059	1.3990	0.0687	0.0747	0.0019	645	171	0.021	0.8598
Cycle 11	0.86	851	30.4	908	26.1	1050	48.1	99.8	0.1411	0.0054	1.4462	0.0629	0.0743	0.0018	626	157	0.013	0.8365
Cycle 12	0.95	858	33.4	909	29.6	1035	58.0	99.6	0.1424	0.0059	1.4484	0.0714	0.0738	0.0021	570	162	0.025	0.8132
Cycle 13	1.04	855	33.3	922	29.6	1086	56.3	99.7	0.1418	0.0059	1.4787	0.0721	0.0756	0.0021	536	160	0.019	0.8357
Cycle 14	1.12	824	37.4	917	33.1	1148	57.0	99.6	0.1364	0.0066	1.4671	0.0804	0.0780	0.0022	471	167	0.019	0.8125
Cycle 15	1.21	827	34.4	890	31.4	1052	63.2	99.6	0.1369	0.0061	1.4033	0.0744	0.0744	0.0023	480	185	0.022	0.8065
Cycle 16	1.30	849	36.0	885	30.9	977	60.0	99.7	0.1408	0.0064	1.3915	0.0728	0.0717	0.0021	463	189	0.014	0.8275
Cycle 17	1.38	824	34.2	879	33.1	927	80.3	99.3	0.1364	0.0060	1.3768	0.0776	0.0732	0.0027	471	209	0.032	0.8043
Cycle 18	1.47	830	36.1	859	34.8	937	80.3	99.3	0.1374	0.0064	1.3310	0.0798	0.0703	0.0028	436	212	0.033	0.7718
Cycle 19	1.55	825	36.3	894	32.9	1068	64.6	99.6	0.1365	0.0064	1.4109	0.0781	0.0750	0.0024	421	246	0.017	0.8151
Cycle 20	1.64	813	35.9	883	33.6	1063	69.4	99.5	0.1344	0.0063	1.3859	0.0790	0.0748	0.0026	410	243	0.021	0.7969
Cycle 21	1.73	827	35.5	887	33.8	1042	73.5	99.5	0.1368	0.0063	1.3962	0.0798	0.0740	0.0027	406	278	0.022	0.7716
Cycle 22	1.81	815	37.9	860	34.5	978	72.6	99.6	0.1347	0.0067	1.3322	0.0792	0.0717	0.0026	372	260	0.016	0.8016
Cycle 23	1.90	818	40.5	879	36.8	1035	74.0	99.6	0.1353	0.0071	1.3761	0.0862	0.0738	0.0027	344	253	0.017	0.8159
Cycle 24	1.99	800	43.3	893	40.2	1131	76.3	99.5	0.1322	0.0076	1.4104	0.0955	0.0774	0.0030	318	270	0.020	0.8225
Cycle 25	2.07	827	39.9	876	37.5	1001	81.9	99.5	0.1369	0.0070	1.3695	0.0875	0.0725	0.0029	324	260	0.019	0.7860
Cycle 26	2.16	833	42.0	905	37.7	1085	73.2	99.6	0.1379	0.0074	1.4377	0.0906	0.0756	0.0028	308	263	0.013	0.8166
Cycle 27	2.25	814	41.4	889	37.4	1080	72.9	99.7	0.1345	0.0073	1.3991	0.0885	0.0754	0.0027	300	269	0.011	0.8007
Cycle 28	2.33	804	45.2	835	44.2	918	104.0	99.1	0.1328	0.0079	1.2751	0.0991	0.0697	0.0035	269	268	0.027	0.7591
Cycle 29	2.42	816	44.5	844	42.7	920	98.8	99.3	0.1349	0.0078	1.2971	0.0965	0.0697	0.0034	270	266	0.023	0.7633
Cycle 30	2.50	859	40.7	920	37.2	1068	77.4	99.6	0.1426	0.0072	1.4738	0.0906	0.0750	0.0029	274	260	0.012	0.7805
Cycle 31	2.59	804	46.7	857	41.9	999	83.6	99.6	0.1328	0.0082	1.3260	0.0960	0.0724	0.0030	254	264	0.013	0.8233
Cycle 32	2.68	848	46.2	912	41.4	1070	81.0	99.6	0.1406	0.0082	1.4549	0.1000	0.0751	0.0030	245	262	0.012	0.8424
Cycle 33	2.76	825	46.3	921	39.8	1157	66.2	99.9	0.1366	0.0082	1.4761	0.0969	0.0784	0.0026	247	275	0.004	0.8642
Cycle 34	2.85	831	48.3	883	41.0	1017	74.9	99.8	0.1376	0.0085	1.3868	0.0965	0.0731	0.0027	226	263	0.006	0.8426

^a No pre-sputtering of zircon surface prior to commencement of analysis

^b Maximum pit depth measured with MicroXAM scanning interferometer at Yale University. Depth increments calculated by assuming constant ionization rate throughout analysis.

^c Uncertainties listed at the 1σ level.

^d Correction for common Pb made using the measured ²⁰⁴Pb/²⁰⁶Pb ratio.

^e Semi-quantitative estimates based on U/²³⁵ZrO₂, Th/²³⁵ZrO₂, and ²⁰⁶Pb/²³⁸ZrO₂ relative to that of newly measured (Table 2) and previously published (Paces and Miller, 1993) concentrations for AS3 standard.