

Table A2 Zircon fission-track data.

Sample Grain No	Fission Track Data			LA-ICPMS Data		Calculated		
	Ns	Area (10^6 cm^2)	ρ_s (10^6 cm^{-2})	Area-corrected N_U	ρ_{U-sp} (10^{11} cm^{-2})	U_{ICP} (ppm)	Age (Ma) t	$\pm 2\sigma$
150516-5	$\rho_{U-std} = 4.206 \times 10^{11} / \text{cm}^2$			$\zeta_{ES} = 45.3 \pm 5.2 (1\sigma)$				
1	48	30.0	1.60	51991691	17.331	305	17.6	7.6
2	23	36.0	0.64	23508391	6.530	115	18.6	9.8
3	14	12.0	1.17	16018842	13.349	235	16.6	10.4
4	3	12.0	0.25	3482686	2.902	51	16.4	19.7
5	11	9.0	1.22	8477624	9.420	166	24.7	16.9
6	4	9.0	0.44	2847235	3.164	56	26.7	28.1
7	12	25.0	0.48	10531952	4.213	74	21.7	14.3
8	31	15.0	2.07	29438026	19.625	345	20.0	9.6
9	5	6.0	0.83	4963504	8.273	146	19.2	18.2
10	6	10.0	0.60	6933751	6.934	122	16.5	14.5
11	10	12.0	0.83	8396970	6.997	123	22.7	16.1
12	21	8.0	2.63	14891683	18.615	327	26.8	14.5
13	26	16.0	1.63	17562495	10.977	193	28.2	14.3
14	8	8.0	1.00	15088424	18.861	332	10.1	7.8
15	20	15.0	1.33	20513587	13.676	241	18.6	10.2
16	3	6.0	0.50	2264969	3.775	66	25.2	30.2
17	1	8.0	0.13	2290296	2.863	50	8.3	16.8
18	8	8.0	1.00	7964783	9.956	175	19.1	14.8
19	3	9.0	0.33	3208877	3.565	63	17.8	21.3
20	11	9.0	1.22	8921965	9.913	174	23.5	16.0
21	5	12.0	0.42	12873221	10.728	189	7.4	7.0
22	6	8.0	0.75	3706546	4.633	82	30.8	27.0
23	6	6.0	1.00	4637534	7.729	136	24.6	21.6
24	3	9.0	0.33	5576794	6.196	109	10.2	12.3
25	18	16.0	1.13	20815723	13.010	229	16.5	9.4
26	4	6.0	0.67	3111805	5.186	91	24.5	25.7
27	4	6.0	0.67	5976078	9.960	175	12.7	13.4
28	5	16.0	0.31	3683943	2.302	41	25.8	24.5
29	4	4.0	1.00	2431529	6.079	107	31.3	32.9
30	4	4.0	1.00	6155734	15.389	271	12.4	13.0
Pooled (n= 30)	327	350	0.93	328266656	9.379		19.0	6.4
170607-4	$\rho_{U-std} = 5.373 \times 10^9 / \text{cm}^2$			$\zeta_{IS} = 23.4 \pm 2.6 (1\sigma)$				
1	44	16.0	2.75	334784	2.092	389	16.5	7.2
2	30	16.0	1.88	242379	1.515	282	15.5	7.5
3	36	16.0	2.25	228138	1.426	265	19.8	9.1
4	27	16.0	1.69	156795	0.980	182	21.6	10.8
5	18	16.0	1.13	190376	1.190	221	11.9	6.8
6	46	16.0	2.88	363939	2.275	423	15.9	6.9
7	27	16.0	1.69	211647	1.323	246	16.0	8.0
8	42	16.0	2.63	524543	3.278	610	10.1	4.5
9	23	16.0	1.44	232289	1.452	270	12.4	6.5
10	23	16.0	1.44	138223	0.864	161	20.9	11.0
11	21	16.0	1.31	178812	1.118	208	14.7	8.0
12	43	16.0	2.69	281606	1.760	328	19.2	8.4
13	39	16.0	2.44	353677	2.210	411	13.8	6.2
14	22	12.0	1.83	503189	4.193	780	5.5	2.9
15	13	16.0	0.81	139939	0.875	163	11.7	7.5
16	28	16.0	1.75	232689	1.454	271	15.1	7.5
17	41	16.0	2.56	299081	1.869	348	17.2	7.7
18	42	16.0	2.63	388071	2.425	451	13.6	6.0
19	44	16.0	2.75	302117	1.888	351	18.3	8.0
20	65	8.0	8.13	710022	8.875	1652	11.5	4.6
21	26	16.0	1.63	252786	1.580	294	12.9	6.5
22	26	12.0	2.17	155392	1.295	241	21.0	10.6
23	47	9.0	5.22	545708	6.063	1128	10.8	4.7
24	17	15.0	1.13	87232	0.582	108	24.4	14.2
25	13	12.0	1.08	150733	1.256	234	10.8	6.9
26	26	10.0	2.60	139504	1.395	260	23.4	11.8
27	18	15.0	1.20	111240	0.742	138	20.3	11.5
28	14	10.0	1.40	118502	1.185	221	14.8	9.2
29	29	12.0	2.42	144879	1.207	225	25.1	12.3
Pooled (n= 29)	890	419	2.12	7718292	1.842		14.5	4.7

Table A2 Zircon fission-track data (continued).

Sample Grain No	Fission Track Data			LA-ICPMS Data		Calculated		
	Ns	Area (10 ⁶ cm ²)	ρ_s (10 ⁶ cm ⁻²)	Area-corrected N _U	ρ_{U-sp} (10 ¹¹ cm ⁻²)	U _{ICP} (ppm)	Age (Ma) t	$\pm 2\sigma$
150516-2	$\rho_{U-std} = 4.206 \times 10^{11} / \text{cm}^2$			$\zeta_{ES} = 45.3 \pm 5.2 (1\sigma)$				
1	49	40.0	1.23	95725451	23.931	421	9.8	4.2
2	18	60.0	0.30	63237240	10.540	185	5.4	3.1
3	40	36.0	1.11	128846542	35.791	630	5.9	2.7
4	52	30.0	1.73	129671577	43.224	760	7.6	3.2
5	57	25.0	2.28	117580197	47.032	827	9.2	3.8
6	40	25.0	1.60	80893690	32.357	569	9.4	4.2
7	51	40.0	1.28	98113918	24.528	432	9.9	4.2
8	55	24.0	2.29	97891960	40.788	718	10.7	4.5
9	26	24.0	1.08	53609757	22.337	393	9.2	4.7
10	60	36.0	1.67	108085284	30.024	528	10.6	4.4
11	56	24.0	2.33	98005411	40.836	718	10.9	4.5
12	125	60.0	2.08	242886675	40.481	712	9.8	3.6
13	20	48.0	0.42	51843545	10.801	190	7.3	4.0
14	39	32.0	1.22	118472206	37.023	651	6.3	2.8
15	17	36.0	0.47	28817627	8.005	141	11.2	6.5
16	6	16.0	0.38	9730297	6.081	107	11.7	10.3
17	19	40.0	0.48	35415905	8.854	156	10.2	5.7
18	72	27.0	2.67	118891825	44.034	775	11.5	4.6
19	45	20.0	2.25	91877514	45.939	808	9.3	4.1
20	57	40.0	1.43	85180030	21.295	375	12.7	5.3
21	56	28.0	2.00	130916777	46.756	823	8.1	3.4
22	48	32.0	1.50	113571595	35.491	624	8.1	3.5
23	53	50.0	1.06	133125485	26.625	468	7.6	3.2
24	46	20.0	2.30	95382848	47.691	839	9.2	4.0
25	10	18.0	0.56	21644240	12.025	212	8.8	6.2
26	69	40.0	1.73	160805243	40.201	707	8.2	3.3
27	78	40.0	1.95	147690730	36.923	650	10.1	3.9
28	52	40.0	1.30	79670792	19.918	350	12.4	5.3
29	29	48.0	0.60	45403538	9.459	166	12.2	6.0
30	7	18.0	0.39	16891292	9.384	165	7.9	6.5
Pooled (n= 30)	1352	1017	1.33	2799879194	27.531		9.2	3.0
150515-4	$\rho_{U-std} = 4.214 \times 10^{10} / \text{cm}^2$			$\zeta_{IS} = 21.4 \pm 2.4 (1\sigma)$				
1	139	24.0	5.79	13193362	5.497	1380	9.0	3.2
2	43	36.0	1.19	4097824	1.138	286	8.9	3.9
3	65	24.0	2.71	8540990	3.559	894	6.5	2.6
4	62	16.0	3.88	4768996	2.981	749	11.1	4.5
5	79	18.0	4.39	6748877	3.749	942	10.0	3.9
6	62	18.0	3.44	5737562	3.188	800	9.2	3.8
7	66	24.0	2.75	5852614	2.439	612	9.6	3.9
8	27	36.0	0.75	3010778	0.836	210	7.6	3.8
9	79	24.0	3.29	9116410	3.799	954	7.4	2.9
10	80	24.0	3.33	6894643	2.873	721	9.9	3.8
11	63	16.0	3.94	4691218	2.932	736	11.4	4.6
12	93	18.0	5.17	8292274	4.607	1157	9.6	3.6
13	23	24.0	0.96	1839060	0.766	192	10.6	5.6
14	154	25.0	6.16	19313742	7.725	1940	6.8	2.4
15	77	24.0	3.21	9540154	3.975	998	6.9	2.7
16	59	16.0	3.69	7357778	4.599	1155	6.8	2.8
17	95	16.0	5.94	9854059	6.159	1547	8.2	3.1
18	49	12.0	4.08	3959203	3.299	829	10.5	4.5
19	56	16.0	3.50	6586440	4.117	1034	7.2	3.0
20	26	32.0	0.81	2695492	0.842	212	8.2	4.2
21	61	24.0	2.54	7651802	3.188	801	6.8	2.8
22	59	16.0	3.69	7896419	4.935	1239	6.4	2.6
23	22	24.0	0.92	1562677	0.651	164	12.0	6.4
24	28	24.0	1.17	1907847	0.795	200	12.5	6.2
25	42	20.0	2.10	4891009	2.446	614	7.3	3.2
26	75	12.0	6.25	6820836	5.684	1427	9.4	3.7
27	31	16.0	1.94	4107951	2.567	645	6.4	3.1
28	18	16.0	1.13	1289433	0.806	202	11.9	6.8
29	46	16.0	2.88	4669764	2.919	733	8.4	3.6
30	43	32.0	1.34	4548696	1.421	357	8.1	3.6
Pooled (n= 30)	1822	643	2.83	187437909	2.915		8.3	2.7

N_s, Number of spontaneous tracks; ρ_s , spontaneous track density; N_U, total count of ²³⁸U; ρ_{U-sp} , ²³⁸U-count density; sp, sample; std, standard; U_{ICP}, uranium concentration.