

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No. 98-02 (B)	Whose sample? Tim Blake	Operator(s) S. Brown
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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2	10	10	10	30 10	5	5	2
Phanerozoic*	Delay time (secs):	20 3	3	1	2	1	1	3	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = **32** nanosecs
 actual 196-204 = **8.169** actual 204-bkg = expected resolution = >4200
 actual 206-207 = **1.0001** actual 206-208 = **.9993** actual resolution = **5070**
 Primary = **3.3** nA PESABM = **37** pA actual Primary : PESABM (≈ 50:1) =
 Raster time (mins): **2** Raster aperture (microns): No. of scans: **5**

Comments: **No printouts for first two standards.**

late start ~ 1pm, first analysis at about 5:10pm. Cryo pump regenerating in am.

B: 4929/1

Standards · n = 11
err = 1.39%

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
	SI	SI.2-1								
		SI.2-2								
		B.1-1	17:49	6.17	18.3	4017	89	0.2	2720	2716 ± 6 204
		SI.2-3	18:07	6.00	19.9	1764	224	0.2	567	536 208
		B.2-1	18:22	6.35	15.8	3125	71	0.3	2792	2704 ± 8 204
		B.3-1	18:40	5.91	19.6	556	14	0.28	2658	2677 ± 23 204
		B.4-1	18:57	6.19	18.6	4010	86	-ve	2723	2713 ± 6 —
		SI.2-4	19:20	6.09	19.7	1759	217	-ve	565	589 208
		B.5-1	19:37	6.10	18.7	4863	109	0.4	2721	2718 ± 6 204
		B.6-1	20:13	6.21	17.3	3712	85	0.3	2734	2715 ± 7 204
		B.7-1	20:29	6.09	18.2	2861	65	0.0	2771	2695 ± 7 —

No Printout. }
 euhedral. →
 Rounded ↓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.	
<u>SAVE!</u>	B.8-1	20:46	6.33	17.6	3605	79	1.4	.05	2650	2751 ± 8	204
	SI.2-5	21:12	6.21	16.9	1701	221	-ve	0.005	583	560	208
	B.9-1	21:29	5.83	18.5	2834	78	2.4	.08	2633	2717 ± 8	204
	B.10-1	21:47	6.16	17.5	4764	113	1.6	-.04	2675	2711 ± 6	204
	B.11-1	22:03	6.11	17.9	4765	111	0.1	-.001	2740	2722 ± 6	204
	B.12-1	22:19	6.20	18.6	5549	122	0.4	-.008	2670	2711 ± 5	204
	B.13-1	22:36	6.09	18.3	2814	64	2.5	.10	2747	2712 ± 8	204
	SI.2-6	22:54	6.12	18.7	1729	217	-ve	0.005	572	555	208
	B.13-2	23:10	6.08	18.3	2736	64	0.5	-.02	2722	2717 ± 10	204
	B.14-1	23:26	6.16	18.1	2293	52	-ve	—	2706	2716 ± 8	—
<u>SAVE!</u>	B.15-1	23:42	6.16	17.4	4142	95	-ve	—	2755	2725 ± 6	—
	B.16-1	23:57	6.23	17.9	4169	91	0.9	-.03	2733	2725 ± 7	204
	B.17-1	0:17	6.24	17.4	5072	114	1.2	-.03	2704	2717 ± 6	204
	SI.2-7	0:34	6.11	18.8	1738	223	1.5	.13	562	622	208
	B.18-1	0:50	6.16	17.6	4437	102	0.9	-.02	2737	2722 ± 6	204
	B.19-1	1:06	6.10	18.4	4060	94	1.0	-.03	2701	2723 ± 8	204
	B.20-1	1:22	6.14	18.6	3095	68	0.3	.01	2728	2721 ± 7	204
	B.21-1	1:40	6.03	18.5	2952	69	-ve	—	2747	2708 ± 7	—
	B.22-1	1:56	6.19	18.0	3182	70	1.9	.07	2761	2705 ± 8	204
	SI.2-8	2:12	5.99	19.4	1756	229	0.1	-.008	573	547	208
<u>SAVE!</u>	B.23-1	2:28	6.22	18.4	4222	91	1.6	-.05	2709	2704 ± 7	204
	B.24-1	2:44	6.19	17.5	3342	76	1.4	-.05	2738	2708 ± 7	204
	B.25-1	3:02	6.21	17.4	3931	90	0.2	.007	2725	2723 ± 7	204
	B.26-1	3:18	6.19	17.9	4694	107	0.0	-.001	2693	2727 ± 6	204
	B.27-1	3:33	6.23	18.0	2384	52	-ve	—	2714	2719 ± 8	—

