

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
7/12/96	96-73	S. Bracon	IF + SB

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2 / 10	10 / 10	10 / 10	30 / 10	²⁰ / ⁵ 10	5	5	2
Phanerozoic*	Delay time (secs):	7 / 3	1 / 1	2 / 2	1 / 1	1 / 1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.168 actual 204-bkg = 0.042 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 4675
 Primary = 3.5 nA PESABM = 56 pA actual Primary : PESABM (= 50:1) = 63
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 5

Comments: *Note short integration times, 5 scans*
96-73 A = EMD2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	sl 673.4-1	11:15	7.00	19.5	2364	-	-ve	0.03	-	625	208
	sl 4-2	11:30	7.09	19.4	2452	222	0.3	0.03	573	549	204
	u 673.4-1	11:46	7.32	22.1	3402	70	31.	1.8	1796	2690	204
	B.1-1	12:05	7.05	20.0	3600	61	55.	2.5	2508	2661	204
	B.5-1	12:20	6.54	20.9	254	5	-ve	2.2	2720	2670	-
	sl 4-3	12:34	7.01	19.6	2348	218	-ve	0.06	572	609	208
	u B.3-1	12:49	7.11	20.1	3597	71	87.	4.2	2133	2640	204
	B.6-1	13:09	7.05	20.0	3480	56	3.8	0.18	2662	2661	204
	B.7-1	13:23	7.02	19.5	1615	26	-ve	-	2773	2735	204
	B.9-1	13:42	7.10	20.0	3329	59	14.	0.68	2418	2681	204
	B.10-1	13:58	7.32	18.9	3726	74	62.	2.9	2102	2706	204

labelled "2-1" in Bracon file

Rejection over-ride Sample/Std ID Time - printout UO/U 196 kcps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl 4-4	14:12	7.00	19.6	2419	223	-ve	.06	575	606	208
	B.11-1	14:30	6.97	20.4	1631	26	0.4	.04	2696	2708	204
	B.14-1	15:08	7.26	19.5	4890	60	16.	.57	3183	3376	204
	B.13-1	15:22	6.97	20.0	1957	32	1.8	.15	2695	2647	204
	B.13-2	15:36	6.77	20.5	1009	18	2.3	.34	2696	2657	204
	B.15-1	15:53	6.74	20.0	625	11	0.2	.06	2750	2700	204
	B.16-1	16:07	7.10	19.5	3378	55	2.6	.13	2666	2657	204
	sl 4-5	16:22	7.03	19.2	2384	219	-ve	-	582	556	-
	B.18-1	16:45	7.02	19.6	3433	58	2.0	.09	2635	2659	204
	B.19-1	17:07	7.17	18.8	1945	32	1.6	.14	2681	2656	204
	B.20-1	17:23	7.04	19.7	2076	34	1.3	.10	2672	2677	204
	A.22-1	17:44	7.9	19.6	2873	46	1.3	.07	2754	2675	204
	A.23-1	18:00	6.72	20.3	2290	39	3.7	.23	2807	2733	204
	A.25-1	18:19	6.87	19.8	888	15	1.2	.21	2793	2619	204
	sl 4-6	18:34	6.99	19.7	2372	219	0.6	.04	576	522	208
	A 27-1	18:58	6.92	19.7	3082	49	1.3	.07	2860	2708	204
	A 28-1	19:18	6.76	20.1	4070	71	18.5	.67	2728	2689	204
	A 29-1	19:38	6.79	20.5	2732	45	43.4	2.4	2762	2724	204
	A 31-1	20:06	7.15	19.5	2046	32	1.0	.08	2730	2748	204
	A 34-1	20:35	6.70	20.7	2426	42	5.6	.34	2757	2648	204
	A 36-1	20:56	6.85	20.3	2388	41	1.9	.12	2708	2664	204
	sl 4-7	21:12	6.86	19.5	2303	224	-ve	-	582	577	-
	A 37-1	21:31	6.85	19.8	1614	28	0.9	.08	2746	2724	204
	A 38-1	21:50	6.76	20.4	2757	49	-ve	-	2666	2667	204
	A 39-1	22:10	6.85	19.9	1590	28	0.6	.05	2681	2694	204

labelled "B" in Pracon file

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 (cps)	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Corr.
									206/238	207/206	
	A40-1	22:38	6.65	20.2	2195	41	0.8	.05	2704	2685	204.
	A41-1	23:06	6.53	20.2	3306	65	7.7	.31	2685	2675	204.
	A41-2	23:22	6.98	19.7	698	11.6	-ve.	-	2700	2665	204.
	sl 5-1	23:39	6.98	19.5	2351	222	-ve	-	569	693	208
	A42-1	23:57	7.02	20.1	1949	32	3.5	.30	2617	2675	204.
	A43-1	00:16	7.23	19.4	1674	27	10.5	1.1	2587	2661	204.
	A44-1	00:34	6.80	20.0	1599	28	1.1	0.1	2721	2653	204.
	A46-1	1:34	6.84	19.4	1532	27	6.6	0.64	2688	2690	204.
	A47-1	1:52	6.99	19.6	2658	51	24.2	1.4	2395	2648	204.
	A48-1	2:10	6.95	19.6	2420	39	0.4	.02	2782	2740	204.
	A49-1	2:28	6.57	20.0	2703	56	11.7	.58	2563	2673	204.
	sl 5-2	2:44	6.76	19.3	2186	230	3.0	.25	564	542	208.
	A50-1	3:00	6.93	19.0	1583	29	1.8	.17	2633	2662	204.
	A51-1	3:18	6.23	19.8	135	4	5.6	4.8	2180	2574	204.
	C1-1	3:34	6.80	19.5	5820	150	2.5	.07	2008	2082	204.
	C2-1	3:57	6.71	18.4	19022	452	12.5	.08	2346	2785	204.
	sl 5-3	4:29	6.92	19.1	2224	225	1.2	.10	558.3	552	208.
	A52-1	4:48	6.92	19.7	961	16	2.7	.43	2722	2722	204.
	A53-1	5:20	6.65	19.9	2207	44	3.4	.21	2581	2678	204.
	A54-1	5:35	6.92	19.4	1430	25	11.5	1.2	2678	2632	204.
	A55-1	5:51	6.68	18.7	1241	24	0.6	.07	2731	2633	204.
	sl 5-4	6:39	6.96	18.3	2207	226	0.5	.04	567	538	208.

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