

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date **28/2/96** UWA Mount No. **95-39** Whose sample? **YUMIN** Operator(s) **I. Fletcher**
+ April - Yumin

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
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2	10	10	10	10	10	5	5	2
	Delay time (secs):	7	3	1	2	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 = **0.045** expected resolution = >4200
 Primary = **2.8** nA PESABM = **46** pA actual resolution = **4774**
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = **60.87**

Comments: Note only 6 scans per analysis

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.
	sl5395-1	11:32	6.15	17	1620	—	1.3	0.1	—	489	204
	sl5395-2	11:56	6.08	18	1652	224	0.1	0.4	561	626	208
	UA1-1	12:26	6.39	18	13936	298	0.7	0	2665	2635	204
206.7 238.48.254	UA2-1	12:49	6.75	17	48K	848	24.	.07	2796	2619	204
206 207 238 254	sl 4-1	13:13	6.24	18	1781 1781	214	— —	.02	575	559	208
196.	UA3-1	13:36	7.39	15	57K	969	49.7	0.15	2605	2253	204
196. 204 208	UA4-1	14:00	7.18	19	11K	1821	34.9	.01	2249	2219	204
206 207 248	UA 4-2 5-1	14:21	6.32	18	15K	325	0.8	.01	2662	2629	204
206 207 208 248 254	UA6-1	14:50	6.50	17	17K	380	2.7	.02	2610	2627	204
206 254	sl 4-2	15:11	6.12	17	1640	219	—	—	275	610	—
206 238	u A.7-1	15:34	6.66	16	24K	577	12.	.06	2363	2621	204

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

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)	206/238	207/206	Corr.
196 206 207 206 207 208 238 248 206 207 208 238 248	²³⁸ ²⁴⁸ u A.8-1	15:52	6.96	15	62K	1050	11.	.02	3047	2627	204	
196 206 207 206 207 208 238 248	A.9-1	16:11	7.04	15	261K	502	43.	0.2	2538	2576	204	
	10-1	—	low U, high 204						abandon			
206.7.8 248 254	A.10-2	16:36	6.19	16	15K	411	55.	0.4	2490	2584	204	
196. 206. 207. 208. 238. 248. 254	A.11-1	16:55	6.25	17	13K	342	44.	0.4	2456	2595	204	
196 206 207 206 208 238	sl 4-3	17:14	6.17	17	1622	216	15	0.1	579	594	204	
206. 248 254	A12-1	17:46	6.5	16.8	25K	609	27.8	.14	2428 ± 3	2582 ± 3	204	
196. 206. 207. 238 248 254	13-1	18:10	5.89	18.3	4916	163	6.3	.11	2599 ± 6	2620 ± 5	204	
196. 206. 207. 238 248 254	14-1	18:34	7.73	15.2	98K	1365	102	.2	2717 ± 2	2491 ± 1	204	
196. 206. 207. 238 248 254	15-1	18:52	7.11	15.4	19.6K	443	9.4	.07	2169 ± 3	2627 ± 3	204	
206. 207. 208 238 248 254	16-1	19:12	6.87	15.8	21K	434	10.3	.107	2505 ± 3	2562 ± 3	204	
196 206 207 208 238 248 254	sl 1-1	19:43	6.14	18.3	1621	215	0.1	.01	557 ± 1	—	208	
196 254	17-1	20:22	6.13	16.5	5884	155	0.3	.01	2629 ± 6	2643 ± 5	204	
196 207. 208. 238. 254	18-1	20:24	6.94	14.6	26.6K	575	16.4	.08	2505 ± 3	2630 ± 2	204	
196. 208 248	19-1	20:42	6.45	14.9	17.2K	448	91.1	.18	2530 ± 4	2627 ± 4	204	
206. 7.	19-2	21:01	6.56	16.5	18.8K	396	1.2	.01	2656 ± 4	2630 ± 3	204	
206. 7. 8. 238. 48 54	20-1	21:19	6.45	17.4	8892	201	5.6	.08	2501 ± 5	2619 ± 4	204	
196 206. 7. 8. 208. 238. 248. 254	21-1	21:38	6.37	16.1	21.8K	508	6.0	.03	2674 ± 3	2639 ± 3	204	
206. 207 238 248	sl 1-2	21:59	6.04	17.4	1647	228	0.9	.07	588 ± 1	570 ± 27	204	
196. 248.	22-1	22:27	6.82	16.8	27.5K	546	8.7	.05	2490 ± 3	2560 ± 2	204	
196 206 207 208 238 248 254	sl 1-3	22:49	5.95	17.7	1592	230	0.9	.08	581 ± 1	558 ± 27	204	
196. 238 254	23-1	23:10	6.57	16.7	8238	171	23.	.37	2638 ± 5	2635 ± 5	204	
196. 208 238. 48 54	24-1	23:28	6.71	15.2	31K	695	33.1	.1	2551 ± 3	2604 ± 2	204	
207. 8	23-2	23:48	6.9	15.6	33.6K	807	16.3	.107	2196 ± 2	2510 ± 2	204	
196. 206. 238 254	25-1	0:08	6.5	16.6	14.2K	333	3.4	.3	2484 ± 4	2636 ± 4	204	

Mount/sample No: 95-39

Date: 28-29/2 196

Page No: 3

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr.
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	196 206 254	S11-4	0:28	6.12	16.9	1686	230	0.2	.01	589±1	543±24	204
	207 38 48 50	A26-1	0:49	6.94	15.6	35.8K	727	17.1	.07	2490±2	2525±2	204
	196 204 208 38	27-1	1:13	6.51	16.4	14.5K	314	5.7	.05	2667±4	2633±3	204
	196. 26. 7. 8. 38. 48 50	28-1	1:31	6.01	16.1	7337	238	4.9	.06	2386±5	2640±5	204
	196	29-1	1:50	6.74	15.3	15.8K	336	7.4	.06	2616±4	2623±3	204
	196 206 207 248 254	S11-5	2:12	6.2	17.5	1611	215	0.3	—	560±1	572±18	—
	196. 26. 7. 38. 48 50	30-1	2:35	6.82	15.6	39.3K	924	15.0	.06	2303	2450±2	204
	196 26. 7	★ 31-1	2:57	7.09	23.42	463	446	43.1	.1	—	2652±20	204
	196.	32-1	3:17	6.35	15.4	18.7K	502	23.3	.1	2500±3	2640±3	204
	196. 0. 7. 8. 38	33-1	3:37	7.45	14.5	62.3K	1017	20.	.05	2687±2	2516±2	204
	196 207 238 48 50	B1-1	4:04	6.46	17.2	3003	64	0.2	.01	2640±9	2646±7	204
	196. 26. 248	S11-6	4:23	6.22	16.1	1644	223	1.3	.1	590±1	501±31	204
	196. 248	B2-1	4:47	6.67	17.5	8842	177	11	.18	2521±5	2623±4	204
	196. 26. 7. 238 254	B3-1	5:05	6.29	18.	3299	56.	1.6	.05	3250±11	3129±6	204
	26. 7. 8.	B4-1	5:24	6.49	16.9	11.1K	227	11.1	.13	2731±5	2709±4	204
	196. 204. 26. 7. 248 250	5-1	5:42	6.48	17.2	553	118	2.1	.05	2618±6	2630±5	204
	196. 204 208 250	6-1	6:00	6.02	16.9	8745	226	2.2	.02	2865±8	2662±4	204
	196. 206 238 248 254	S11-7	6:20	6.06	17.6	1675	230	0.9	.07	580±1	506±34	204

12 STD

20/U 1.91696

U0/U 6.11258

Pb*/U* 0.181179

1σ: 1.22%

A: 35

B: 6