UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
8/8/99	99-08 B	A650	AR

Indicate any change to the following:

		196	204	bkg	206	207	208	238	248	254	270
Precambrian	Count time (secs):	2	10	10	10/~~20*~~	30/~~10*~~	10	5	5	2	
~~**Phanerozoic***~~	Delay time (secs):	8	3	1	2	1	1	3	2	2	

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = 32 nanosecs

actual 196-204 = ... actual 204-bkg = ... expected resolution = >4200

actual 206-207 = ... actual 206-208 = ... actual resolution = 5216

Primary = ... nA PESABM = ... pA actual Primary : PESABM (≈ 50:1) = ...

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: 99-08B- 9896 7100A

Following on from 99-14C.

Prior comment: 1° seems to be quite small. Expect excess scatter.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	s112-1	2:18	5.64	7.2	719	220	-ve	—	572±1	573±27	✓
	s112-2	2:37	5.64	7.0	743	223	7.0	.56	604±1	431±65	✓
oops recorded as u18-1	u28-1	3:02	5.78	7.3	685	39	14	1.05	2422±17	2629±22	✓
	u29-1	3:22	6.31	6.8	5.9K	254	0.1	.01	2564±inf	2683	✓
	s112-3	3:44	5.75	6.9	711	221	3.0	.25	552±1	505±60	✓
let scan	u23-1	4:06	5.93	6.8	8.5K	430	4.3	.03	2642±5	2658±4	✓
	u24-1	4:25	5.63	6.4	1782	126	182	4.3	2331±11	2682±22	✓
	u30-1	4:47	6.07	7.0	6236	323	2.9	.03	2352±5	2676±5	✓
6x4110	s113-1	5:07	5.90	7.3	745	199	—	—	564±1	580±26	✓
1-2 y scan 3-4 u-uo	u25-1	5:27	5.92	7.1	8.7K	413	3.3	.02	2686±5	2659±4	✓
	u21-1	5:52	6.07	6.9	7.5K	344	3.0	.03	2615±6	2676±4	✓

Mount/sample No: 99-08B **Date:** 8/8/99 **Page No:** 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	u22-1	6:12	6.44	6.8	9.4K	329	9.8	.07	2847±6	2746±4	✓
	s113-2	6:31	6.31	6.8	778	180	0.7	.07	553±1	592±30	✓
	u19-1	6:50	6.26	7.1	8.4K	345	9.6	.08	2617±5	2621±4	✓
	u21-1	7:16	5.38	7.5	528	30	1.5	.12	2956±24	2690±19	✓
	u16-1	7:36	5.88	7.1	2.4K	124	1.5	.03	2528±9	2651±8	✓
	s114-3	7:55	5.95	7.2	774	206	-ve	—	550±1	628±25	✓
	u17-1	8:15	6.05	7.1	10.0K	443	4.2	.03	2673±5	2664±4	✓
should be 18-1 ←	u18b-1	8:34	5.95	7.4	781	36	1.5	.12	2652±17	2671±14	✓
	u6-1	8:54	5.67	6.3	2.9K	196	0.5	.01	2528±8	2685±6	✓
	s114-4	9:13	5.69	6.9	680	220	1.6	.14	558±1	590±45	✓
	u5-1	9:32	6.34	6.9	3.1K	146	12.0	.27	2292±7	2588±8	✓
	u8-1	9:55	6.66	6.9	16.2K	513	48.1	.23	2858±5	2560±3	✓
	u9-1	10:14	5.98	6.4	3.5K	189	5.7	.08	2569±8	2652±7	✓
	s118-1	10:33	5.88	7.1	748	207	1.6	.15	565±1	516±46	✓
	u1-1	10:54	6.28	6.9	7.5K	315	5.7	.50	2607±6	2662±5	✓
	u2-1	11:13	6.54	5.8	1.4K	70	11	.50	2294±11	2432±14	✓
	u4-1	11:35	5.69	7.3	5.1K	287	0.1	.00	2579±inf	2669±269	✓
	s118-2	11:53	5.70	7.1	704	216	1.6	.14	564±1	541±42	✓

Mount/sample No: ..... **Date:** ..... **Page No:** .....

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?