

**UWA SHRIMP DATA LOG: ZIRCON U-Pb**

Date: 10/5/95      UWA Mount No.: 95-5      Whose sample?: Liang Wang      Operator(s): IF, AR, LW

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Count time (secs):	2	10	10	10	<del>10</del> <sup>10</sup>	10	5	5	2
Delay time (secs):	6	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040 amu      Dead-time = ~~36~~<sup>2</sup> nanosecs  
 actual 196-204 = 8.186      actual 204-bkg = 0.045      expected resolution = >4200  
 Primary = 1.4 nA      PESABM = 30 pA      actual resolution = 4320  
 expected Primary : PESABM = ~~14~~ 50      actual Primary : PESABM = 47

Comments from Log Book: ~~NA~~ Lost secondary, moved ESA and collector positions.

Rejection over-ride	Sample/ Std ID	Time	196 cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	204-corr. Age ±1σ (Ma) 206/238      207/206	Peak cent. OK?
	<del>SI-5A7.1</del>								
	SI-5A1.1	12:40	10K	1060	220	3.5	0.3%	—	✓
	SI-5A1.2	13:05	9K	1000	240	11.0	0.8%	577±1      548.4	✓
	SI-5A1.3	13:20	9K	1070	227	5.3	0.4	577±1      459.4	✓
	u5A1.1	13:38	8.7K	150	142	3.3	1.4	135±0.5      135.2	✓
	SI-5A1.4	14:00	8.5K	1010	232	2.2	1.8	578±0.9      554.6	✓
	<del>SI-5A1.5</del>	14:25							
	SI-5A7.1	15:10	10K	1200	—	-ve	—	—	✓
	u5A-2-1	15:40	10K	2600	141	1.7	0.06	1719±4.5      1861.9	✓
	u5A-3-1	16:00	10.3K	134	124	4.1	2.2	126±1	✓
	SI-5A-7-2	16:20	10.4K	1150	235	0.3	0.03	570.0±1	✓
	u5A-4-1	16:40	10.2K	320	287	1.9	0.6	139±0.6	✓
	u5A-5-1	17:00	10.9K	199	161	1.8	1.0	130±0.7	✓
	6-1	17:20	10.6K	386	295	4.8	1.0	134.5±0.4	✓
	SI-5A.7.3	17:40	10.8K	1200	225	2.6	0.2	562±0.8	✓

Overwritten by SI-5A7.1  
 \* High 204 because spot was moved slightly off raster.  
 2 min- Raster

Calibration: SI-5A7.1

Rejection over-ride	Sample/Std ID	Time	196 cps	206 cps	U ppm	204Pb ppb	f206 %	204-corr. Age $\pm 1\sigma$ (Ma) 206/238      207/206	Peak cent. OK?
	4.5A-7-1	18:00	11.1K	146	120	1.0	0.03	131 $\pm 1$	✓
	8-1	18:25	11.2K	135	121	3.3	1.8	130 $\pm 1.5$	✓
	9-1	19:25	11.4K	565	269	1.8	0.3	231 $\pm 0.5$	✓
	10-1	19:46	11.5K	737	489	1.2	0.2	141 $\pm 0.3$	✓
	11-1	20:08	11.1K	177	158	3.8	1.6	128 $\pm 0.7$	✓
	12-1	20:28	11.4K	420	335	1.8	0.5	131 $\pm 0.3$	✓
	SI.5A-6-6	20:54	11.5K	1224	230	1.3	0.1	561 $\pm 0.6$	✓
	4.5A-13-1	21:16	11.6K	219	182	0	0.01	132 $\pm 0.4$	✓
	14-1	21:35	11.8K	270	223	1.1	0.4	131 $\pm 0.4$	✓
	15-1	21:58	11.6K	268	294	1.0	0.3	128 $\pm 0.5$	✓
	16-1	22:17	11.1K	254	213	1.3	0.4	130 $\pm 0.5$	✓
	SI.5A-6-7	22:37	11.3K	1235	233	0.9	0.07	572 $\pm 0.7$	✓
	4.5B-1-1	23:05	10.5K	101	43	3.4	2.9	220 $\pm 2$	✓
	2-1	23:29	10.9K	385	247		0.07	157 $\pm 0.3$	✓
	3-1	23:50	10.9K	70	32	2.2	2.5	225 $\pm 4$	✓
	4-1	0:09	9.0K	140	117	2.8	1.4	149 $\pm 0.9$	✓
	5-1	0:30	10.5K	72	49	1.6	1.8	158 $\pm 1.4$	✓
	SI.5B-6-8	0:51	10.7K	1196	224	3.9	0.3	551 $\pm 0.7$	✓
	4.5B-6-1	1:11	11.3K	388	278	1.0	0.2	160 $\pm 0.6$	✓
	7-1	1:30	11.9K	678	294	1.0	0.2	181 $\pm 0.3$	✓
	8-1	1:52	7.0K	53	62	1.3	2.0	124 $\pm 0.6$	✗
	9-1	2:16	11.7K	228	144		0.15	162 $\pm 0.4$	✓
	10-1	2:37	11.9K	28	18.5	1.3	3.5	107 $\pm 4.3$	✓
	SI.5B-6-9	2:59	12.9K	1306	237	1.2		571 $\pm 0.6$	✗
	SI.5B.5-1	3:24	13.2K	1371	237	2.0		576 $\pm 0.8$	✓

low  
count