

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: **30/8/97** UWA Mount No.: **97-24^B_A** Whose sample?: **A650** Operator(s): **IF+AR**

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 / 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 = 0.040 amu Dead-time = **32** nanosecs
 actual 196-204 = **8.169** actual 204-bkg = **0.041** expected resolution = >4200
 actual 206-207 = **1.000** actual 206-208 = **2.000** actual resolution = **5100**

Primary = **3.0** nA PESABM = **45** pA actual Primary : PESABM (≈ 50:1) = **67**
 Raster time (mins): **1** Raster aperture (microns): **100** No. of scans: **6**

Comments:

*1/12/97 Stdev: n=13
 (m=2.0)
 s = 0.67%*

Rejection over-ride	Sample/Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
	sl 724.6-1	10:54	6.01	14.2	1778	-	0.5	0.04	- 550	204
	sl 6-2	11:12	6.16	13.8	1791	215	0.9	0.08	564 535	204
<i>Delete last 2 scans</i>	u B. 1-1	11:32	8.02	14.8	6743	180	7.0	0.30	1051 2621	204
	B. 2-1	11:55	6.15	14.2	161K	403	87.	0.72	2209 2602	204
<i>last scan</i>	B. 3-1	12:12	6.08	13.7	151K	507	53.	0.43	1860 2626	204
<i>last 760</i>	sl 7-1	12:39	5.99	14.2	1740	226	0.1	0.01	535 607	204
	B. 5-2	13:02	7.26	11.1	161K	960	230.	2.04	818 2407	204
	B. 4-1	13:25	6.10	14.6	13.9K	291	13.6	0.13	2646 2580	204
	B. 5-1	13:46	5.80	13.3	3050	178	6.0	0.20	1368 2626	204
	B. 6-1	14:05	6.27	13.3	7451	209	7.9	0.14	2084 2610	204
	B. 7-1	14:25	5.55	13.3	1755	57	-ve	-	2620 2650	204

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (2)	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl. 7-2	14:45	5.83	13.5	1626	238	0.6	.05	565	555	204
	B.8-1	15:09	6.20	13.9	2150	47	0.2	.01	2556	2635	204
	B.9-1	15:24	6.39	13.0	201K	625	228	1.6	1777	2619	204
	B.10-1	15:42	6.29	13.3	2238	48	-ve	-	2602	2641	-
	B.11-1	16:00	6.13	13.3	171K	392	1.2	.01	2615	2621	204
	B.11-2	16:19	6.32	13.3	241K	509	1.5	.08	2568	2630	204
	B.11-3	16:36	6.25	13.0	201K	427	34.	.21	2708	2635	204
	sl 7-3	16:54	6.10	13.8	1784	218	0.7	.06	572	520	204
	B.12-1	17:13	6.50	14.8	3482	170	130.	6.0	989	2597	204
	B.13-1	17:32	6.15	14.5	15K	349	278	.24	2434	2559	204
↑U, dropped to reduce counts.	B.14-1	17:52	6.36	14.5 ⁹⁹⁵¹	16K	489	9.7	.08	2449	2613	204
1st scan	B.15-1	18:14	6.39	13.9	12K	260	9.0	.11	2670	2619	204
D	B.16-1	18:33	6.58	15.0	25K	1003	1253	8.1	1137	2703	204
B	B.17-1	18:51	6.33	13.5	16K	466	89	.75	1947	2575	204
overgrowth-	sl. 7-4	19:10	6.10	14.4	1794	217	-	-	557	598	-
	B.18-1	19:32	6.04	14.5	15K	316	13	.10	2316	2582	204
1st scan A-C	B.18-2	19:50	5.74	14.9	21K	658	5.1	.03	2343	2474	204
C	B.19-1	20:09	6.38	14.8	9806	309	5.4	.08	1632	2630	204
A	B.20-1	20:30	6.11	14.4	6463	245	3.5	.70	1405	2618	204
B	B.21-1	20:47	5.94	15.3	3304	167	18.0	.07	1261	2620	204
C	B.22-1	21:07	5.89	15.1	11K	314	353	6.37	2156	2630	204
	sl. 7-5	21:24	6.11	14.1	1801	217	0.5	.05	558	546	204
A	B.23-1	21:43	6.24	14.6	13K	325	3.4	.04	2154	2622	204
A	B.24-1	22:03	6.09	13.9	4260	96	-ve	-	2622	2631	-
Typ 7	B.25-1	22:21	5.91	13.2	6833	231	12.3	.19	2112	2584	204

Rejection over-ride Sample/Std ID Time - printout UO/U K cps 196 cps 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 K cps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
D	B.36-1	22:39	5.49	14.1	2194	350	258	10.0	554	2.735	204
B	B.27-1	22:58	4.47	12.7	2292	163	7.4	.10	3121	2627	204
C	B.28-1	23:16	6.55	14.9	7378	162	250	5.6	1984	2592	204
	51.7-6	23:34	5.86	14.8	1760	229	-ve	-	570	548	-
C	B.29-1	23:53	5.98	14.5	149K	362	6.1	.05	2498	2631	204
A	B.30-1	00:11	7.21	13.3	1623	72	21	2.5	927 950	2609 2800	204
A	B.31-1	00:29	6.19	14.1	3294	84	12.5	.50	2207	2631	204
A	B.32-1	00:46	6.34	13.8	26K	525	3.9	.02	2621	2622	204!
A	B.33-1	01:03	6.21	14.4	2729	58	8.6	.43	2494	2626	204
C	B.34-1	01:19	6.08	13.8	16.7K	389	1.7	.01	2573	2619	204
	51.5-1	01:39	6.13	14.1	1778	212	-ve	-	560	548	-
unk.	B.35-1	1:56	6.04	14.4	5817	152	4.6	.96	2273	2658	204
B	B.36-1	2:15	6.06	14.6	3267	89	1.7	.07	2198	2619	204
B	B.37-1	2:40	6.05	14.1	5333	122	1.2	.03	2618	2625	204!
A	B.38-1	2:58	6.76	14.9	3972	130	48.1	2.2	1316	2622	204
B	B.39-1	3:15	5.96	14.4	6588	149	6.9	.12	2702	2648	204
C	B.40-1	3:32	6.23	13.7	20K	428	1.8	.01	2620	2622	204!
	51.5-2	3:49	6.05	14.2	1747	216	-ve	-	567	568	-
	A.1-1	4:10	5.94	14.0	2080	50	0.5	.03	2658	2677	204
	A.2-1	4:29	6.04	14.3	610	67 ¹⁴	.0.1	.01	2571	2707	204
	A.3-1	4:48	5.98	14.8	1565	37	0.6	.05	2534	2677	204
	A.4-1	5:06	5.94	14.7	1446	33	0.1	.01	2653	2699	204
	51.5-3	5:24	5.85	15.3	1759	224	-ve	-	567	562	-
	A.5-1	5:42	5.79	11.6	515	17	0.2	.04	2652	2702	204
	A.6-1	6:00	6.00	14.3	1350	29	0.3	.03	2608	2698	204

on print out as B.367-1 ←

↑ B
↓ A

1st Thru

