

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

Date	UWA Mount No.	Whose sample?	Operator(s)
17/11/97	97-31	Chris Feat	IF + CT

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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
<b>Precambrian</b>	Count time (secs):	2 ✓	10 ✓	10 ✓	10 ✓	30/10*	10 ✓	5 ✓	5 ✓	2 ✓
<b>Phanerozoic*</b>	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 = .....8.168.....      actual 204-bkg = .....0.045.....      expected resolution = >4200  
 actual 206-207 = .....1.0000.....      actual 206-208 = .....2.0000.....      actual resolution = .....4786.....  
 Primary = .....3.4..... nA      PESABM = .....52..... pA      actual Primary : PESABM (= 50:1) = .....65.....  
 Raster time (mins): .....1.....      Raster aperture (microns): .....120.....      No. of scans: .....6.....  
*Sensitivity = 17*

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Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	sl 731-1-1	12:12	5.99	18.6	1945	-	0.5	.04	-	556	204
	sl 1-2	12:29	5.92	19.5	1937	216	0.5	.05	574	539	204
	A. 1-1	12:47	6.04	18.6	3275	66	-ve	-	2624	2650	- M
	A. 2-1	13:04	6.08	21.5	2210	169	19.	1.3	679	2652	204
	A. 3-1	13:21	5.88	19.9	3971	110	4.8	.16	2213	2635	204
	sl 1-3	13:38	5.82	19.0	1867	225	0.5	.04	577	558	204
	A. 4-1	13:55	5.85	19.5	5659	122	2.1	.05	2631	2667	204 M
	A. 5-1	14:13	5.98	18.9	5664	114	-ve	-	2674	2676	204 M
	A. 6-1	14:29	5.77	19.1	3852	86	-ve	-	2686	2674	- M
	A. 7-1	14:47	5.58	22.1	3387	91	4.4	.16	2256	2662	204
	sl A. 8-1	15:04	5.92	18.8	3451	78	-ve	-	2669	2672	- M

*change name in data file*

Rejection over-ride Sample/Std ID Time - printout UO/U 196 k 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	196 k cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl. 1-4 <del>A. 1-4</del>	15:20	5.70	20.0	1400	232	~0	.01	583	544	208
	A. 9-1	15:38	6.32	18.4	3570	67	2.1	.09	2485	2685	204 M
	A. 10-1	15:55	6.23	19.2	5715	109	176.	4.7	2383	2649	204
	A. 11-1	16:16	5.54	21.0	2459	60	2.4	.11	2609	2697	204 M
	A. 12-1	16:41	6.12	19.1	3874	81	5.4	.20	2414	2629	204
	A. 13-1	16:57	6.23	18.4	2596	66	2.2	.13	2013	2594	204
	sl. 1-5	17:14	5.70	20.1	1876	230	~0	-	577	593	-
	A. 14-1	17:31	5.97	18.3	7440	148	31.	.53	2183	2595	204
	A. 15-1	17:47	5.51	21.2	3915	94	1.6	.05	2667	2673	204 M
	A. 16-1	18:04	5.77	19.8	4664	112	16.	.43	2463	2586	204
	A. 17-1	18:23	5.94	20.4	3227	83	10.	.42	2073	2534	204
	A. 18-1	18:40	5.78	19.7	5760	131	-	-	2565±6	2680±5	- M
	sl 1-6	18:58	5.91	18.7	1879	218	0.7	.06	580±1	561±27	204
	A. 19-1	19:17	5.84	17.6	3153	76.3	0.8	.03	2599±8	2683±7	204 M
	A. 20-1	19:37	5.83	18.5	3078	67.3	2.7	.10	2739±9	2666±7	204 M
CORE	A. 21-1	19:54	5.74	17.4	1995	52.7	0.9	.05	2570±10	2656±9	204 M
RIM	A. 21-2	20:10	5.93	18.7	6503	163	38.1	.76	2292±5	2536±7	204
	A. 22-1	20:28	6.26	16.6	4293	87.7	0.1	.00	2606±8	2677±6	204 M
	sl 1-7	20:45	5.72	18.2	1849	239	0.2	-	500±1	533±17	-
	A. 23-1	21:04	6.11	18.0	5580	116	10.4	.25	2556±6	2626±6	204
	A. 24-1	21:20	6.09	17.2	4048	92.7	3.5	.11	2476±7	2679±6	204 M
	A. 25-1	21:36	5.61	19.1	3842	90.9	-	-	2782±8	2682±6	- M
	A. 26-1	21:54	5.72	19.9	3916	103	13.8	.43	2328±6	2561±8	204
	A. 27-1	22:10	5.43	20.0	4076	112	3.0	.07	2618±7	2658±6	204 M
	sl 3-1	22:28	5.89	18.0	1857	227	-	-	577±1	572±17	-

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.
	A.28-1	22:47	5.56	19.3	2289	58.8	8.7	.17	2654±10	2682±9	204M
check 1°	A.29-1	23:04	6.29	16.3	4939	110	16.6	.46	2434±6	2559±7	204
	A.30-1	23:22	5.84	18.7	1369	30.1	0.3	-.03	2686±14	2689±10	204M
	A.31-1	23:39	5.80	18.8	4982	113	3.1	-.07	2678±7	2663±6	204M
	A.32-1	23:56	5.80	18.8	4172	101	4.7	.13	2507±7	2661±6	204
	A.33-1	00:13	5.76	14.4	3587	141	24.9	-.62	2119±6	2629±8	204
	sl.3-2	00:30	5.80	19.5	1895	225	1.7	.14	580±1	497±27	204
	A.34-1	00:46	5.84	19.6	3237	706	4.7	.18	2602±8	2664±8	204M
	A.35-1	1:03	6.58	18.9	10533	255	47.0	.84	1759±3	2271±6	204
	A.36-1	1:20	5.74	19.5	4004	120	3.4	.10	200±5	2642±6	204
	A.37-1	1:37	5.98	19.1	7598	168	27.0	.48	2451±5	2560±6	204
	A.38-1	1:55	5.80	19.2	2471	55.5	2.1	.10	2623±10	2667±8	204M
	A.39-1	2:13	6.21	19.7	4820	109	5.9	.19	2113±5	2636±6	204
A	sl.3-3	2:30	5.78	19.9	1875	226	1.7	.03	566±1	527±18	208
B	B.1-1	2:48	5.91	18.6	4396	98.6	16.0	.46	2550±7	2651±7	204
	B.2-1	3:05	5.85	20.3	6233	140	12.2	-.26	2451±6	2559±6	204
	B.3-1	3:22	5.38	21.0	1768	45.5	0.2	-.05	2748±12	2688±9	204M
	B.4-1	3:40	6.19	17.1	4128	85.8	11.3	-.37	2574±8	2675±7	204M
1st 2 scans.	B.5-1	3:59	5.35	19.3	5763	166	34.7	-.54	2711±7	2751±6	204
last 2 scans	B.6-1	4:15	5.90	18.1	9469	216	164.3	2.06	2564±5	2772±7	204
	sl.3-4	4:32	5.82	18.6	1868	230	-	0.03	579±1	647±17	208
	B.7-1	4:50	6.16	17.5	3854	78.1	10.7	-.38	2616±8	2634±7	204
V. non-linear	B.8-1	5:07	6.40	17.8	11181	136	1937	26.42	2762±10	2767±26	204
Very High 204!	B.9-1	5:24	6.29	19.0	26.31K	412	6431	41.38	1829±6	2076±44	204
	B.10-1	5:40	5.51	20.9	5221	128	6.3	.13	2642±7	2676±6	204M

