

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

Date: 19/12/97      UWA Mount No.: 97-33      Whose sample?: Yeats      Operator(s): CY & McN

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~~    10    5    5    2  
 Phanerozoic\*    Delay time (secs):    7.8    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 = .....      actual 204-bkg = .....      expected resolution = >4200

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

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

Raster time (mins): ..... 1 .....    Raster aperture (microns): ..... 100 .....    No. of scans: ..... 5 .....

Comments:

Followed on from 97-32

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	<sup>196</sup> K cps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Corr.
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<del>S1</del>	S18-1	21:58	6.73	20.0	2028	206	2.6	.19	555±1	541±20	208
	B.1-1	22:15	6.38	21.3	1973	40.3	6.0	.42	2583±11	2638±11	204
	S18-2	22:31	6.59	20.1	2033	218	0.7	.19	556±1	572±19	208
	B.2-1	22:48	6.81	19.2	2124	36.3	4.4	.31	2762±13	2718±10	204 X
	B.3-1	23:04	7.09	18.9	2202	36.6	6.2	.46	2608±11	2670±11	204
	B.4-1	23:19	6.89	20.4	1931	32.4	9.8	.82	2590±12	2741±13	204 X
	S18-3	23:34	6.85	18.7	2173	216	3.9	.20	576±1	568±19	208
	B.5-1	23:50	6.53	21.2	1558	29.3	4.3	.40	2617±13	2658±13	204
	B.6-1	00:05	6.34	21.9	2.8K	54.1	8.9	.43	2668±10	2750±10	204 X
	B.7-1	00:22	6.09	21.9	1591	34.6	14.3	1.08	2695±13	2688±15	204 D
	S18-4	00:36	6.59	20.3	2112	221	1.9	.12	564±1	560±19	208

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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.
	B. 8-1	00:52	6.73	20.1	2.7K	50.1	6.2	.34	2563±10	2659±9	204
	B. 9-1	1:06	6.53	19.8	4.7K	97.9	18.8	.54	2548±7	2666±8	204
	B. 10-1	1:23	6.15	23.0	2.6K	55.7	5.1	.25	2611±10	2654±9	204
	B. 11-1	1:37	6.28	23.0	2.8K	55.1	4.0	.20	2628±10	2671±9	204
	sl 7-1	1:54	6.48	21.2	2.1K	218	2.0	.11	571±1	538±19	208
	B. 12-1	2:10	6.63	21.3	2.5K	42.4	1.5	.09	2714±11	2738±8	204 X
	B. 13-1	2:25	6.63	21.4	2.2K	39.7	4.0	.07	2603±11	2658±10	204
	B. 14-1	2:40	6.94	20.2	1416	23.2	2.4	.28	2622±14	2779±12	204 X
	B. 15-1	2:54	6.72	21.0	2009	36.3	3.3	.26	2538±11	2670±11	204
	sl 7-2	3:09	6.76	19.5	2096	214	2.4	.19	557±1	595±19	208
	B. 16-1	3:24	6.23	20.5	1115	26.0	2.9	.31	2573±15	2740±14	204 X
	B. 17-1	3:39	6.79	20.8	1935	34.2	6.3	.51	2532±12	2721±12	204 X
	B. 18-1	3:56	6.30	20.8	1757	36.4	6.4	.46	2693±13	2725±12	204 X
	B. 19-1	4:11	6.23	22.3	2.8K	58.7	5.6	.26	2607±10	2671±9	204
	cl 7-3	4:27	6.51	21.0	2082	216	1.6	.10	572±1	578±19	208
	B. 19-2	4:42	6.68	20.3	3.7K	66.9	4.1	.16	2640±9	2672±7	204
	B. 20-1	5:05	6.25	20.1	1432	31.0	2.2	.18	2732±14	2715±12	204 X
	B. 21-1	5:20	6.50	20.6	1777	33.8	4.2	.07	2678±13	2717±11	204 X
	B. 22-1	5:35	6.80	19.5	365	6.6	2.2	.90	2606±28	2654±30	204
	B. 23-1	5:51	6.56	20.4	3.0K	59.2	5.3	.25	2546±9	2666±9	204
	sl 7-4	6:06	6.65	19.0	1938	214	3.2	.21	554±1	569±20	208
	B. 24-1	6:24	6.44	20.6	1396	28.3	2.9	.28	2614±14	2669±14	204
	B. 25-1	6:35	6.50	20.4	3.3K	67.7	7.6	.32	2532±9	2689±8	204
	B. 26-1	6:50	7.28	18.1	2433	40.7	3.3	.23	2530±11	2699±9	204
	B. 27-1	7:04	6.40	19.8	1736	37.5	2.6	.19	2597±12	2658±11	204



