

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

Date: 24/1/97      UWA Mount No. ~~Chris Yeats~~ <sup>96-74</sup>      Whose sample? Chris Yeats      Operator(s) IF+CY

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):    3 ✓    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 / 8.166      actual 204-bkg = 0.042 / 0.044      expected resolution = >4200

actual 206-207 = 1.0000      actual 206-208 = 2.000      actual resolution = 5100

Primary = 3.0 nA    PESABM = 45 pA    actual Primary : PESABM (≈ 50:1) = 67

Raster time (mins): 2      Raster aperture (microns): 120      No. of scans: 6

Comments: ① Move 204 down 2 nmm, in case Pb/Pb plots are tried.

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.
	SL 6-1	13:09	6.44	16.4	1272	-	0.8	0.02	-	535	208
	SL 1-1	13:31	6.60	15.8	1317	220	1.0	0.03	573	514	208
	u B.1-1	13:53	6.99	14.6	980	27	21.	2.0	2602	2680	204
	u B.3-1	14:23	6.81	13.9	1440	45	215.	12.8	2364	2633	204
	SL 5-1	14:42	6.74	15.4	1342	221	2.3	0.04	557	549	208
	u B.4-1	15:03	6.55	15.3	2608	41	940.	31.	1811	2572	204
	B.5-1	15:27	7.26	16.3	2223	63	650.	35.	1499	2641	204
	B.8-1	15:46	6.54	15.2	811	29	68.	6.8	2307	2674	204
	B.12-1	16:07	6.58	14.6	1492	56	363.	19.	1979	2606	204
	B.15-1	16:28	6.00	15.5	1343	52	161.	7.7	2643	2676	204
	SL 6-2	16:46	6.61	14.1	1165	226	0.7	0.04	550	565	208

204 and baseline are a bit out of position (no problem)

①

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ↳ cps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206		Corr.
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	B.25-1	17:06	6.90	13.6	1223	34	13.6	9.3	2649	2694	204
	B.24-1	17:27	7.17	13.0	2308	66	500	20.	2230	2600	204
	B.22-1	17:46	7.32	14.0	3270	76	<del>1137</del>	38.	1915	2447	204
	B.21-1	18:04	6.79	14.5	1454	42	147.	8.7	2590	2818	204
	B.20-1	18:31	6.98	13.9	1468	43	15.	0.9	2626	2625	204
	sl.6-3	18:49	7.04	14.7	1368	207.5	1.3	0.12	550	558	204
	B.20-2	19:26	no data								
	B.17-1	[Redacted]									
	sl.6-4	20:30	7.19	15.7	1462	—	—	—	572.5	—	204
	sl.6-5	20:51	7.39	14.5	1483	?	?	?	—	—	
	B.16-1	21:20	7.41	15.7	4678	?	?	?			
	B.17-1	21:36	7.05	18.2	4147	?	?	?			2d try
	B.6-1	21:57	6.83	16.2	2466	?	?	?			
	B.7-1	22:15	6.32	17.7	3797	?	?	?			
	calibrated sl.6-6	Magnet Cut Out During Run - Aborted!!									

USELESS "DATA"  
 Rest EGA left in!  
 \*Ignore 2 sets only!

not calibrated!