

UWA SHRIMP DATA LOG

Date: 22/6/02 UWA Mount No. C-11 Whose sample? NV Operator(s) McW/NV/MB

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 10 10 10/20\* 30/10\* 10 5 5 2  
 Phanerozoic\* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 356/874/16.0 for O<sup>-</sup>; = 246/591/3.05 for O<sub>2</sub><sup>-</sup>; = 202/480/21.5 for NO<sup>-</sup>

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4790

aperture = 70 microns retardation lens = 0 volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.170 204-bkg = 0.045 204-206 = 2.000 ± 6

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 0.9 nA Primary-CZ3 = 1.1 nA PESABM-CZ3 = 1.6 pA

Raster time (mins): 1/1.5 Raster aperture (microns): 60 No. of scans: 6

Comments:

C11-1

Rejection Sample/ Time - <sup>254 233</sup> UO/U 196 206 U 204Pb f<sub>206</sub> Age ±1σ (Ma) Offsets  
 over-ride Std ID printout Kcps cps ppm ppb % 206/238 207/206 OK?

Rejection over-ride	Sample/ Std ID	Time - printout	<sup>254 233</sup> UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C2-2-1	14.58	6.97	5.2	640	238	-0.3	-	572 ± 6	518 ± 31	204-206 2.006!
	C2-2-2	15.20	6.97	5.2	640	238	1.4	0.12	575 ± 7	528 ± 53	✓
	B-10-2	15.41	7.22	4.9	840	59	-0.2	-	2581 ± 50	2681 ± 16	✓
mc raster to 1.5	B14-2	16.10	6.62	5.6	420	29	2.0	0.26	2586 ± 53	2672 ± 21	✓
	C2-2-3	16.30	6.61	5.3	580	232	0.4	0.04	556 ± 6	593 ± 38	✓
	B14-3	16.50	6.98	5.1	380	26.7	1.8	1.8	2629 ± 62	2668 ± 25	✓
	B38-1	17.33	7.62	5.6	140	128	161	7.3	1681 ± 19	2545 ± 39	✓
	B45-1	17.56	6.57	5.0	690	55.4	15.7	9.6	2515 ± 45	2645 ± 26	✓

C25+

Rejection over-ride    Sample/ Std ID    Time - printout    UO/U    196 Kcps    206 cps    U ppm    204Pb ppb    f206 %   
\*10    Age ±1σ (Ma) 206/238    207/206    Offsets OK?

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	Offsets OK?
	CZ5-1	18:21	6.99	5.0	610	236	0.5	0.44	566±7	583±41	✓
	B1-2	19:43	7.06	5.1	820	71.6	2.5	1.67	2140±31	2684±16	✓
	<del>B42-1</del>	19:03	6.98	5.1	810	56.7	0.7	0.48	2629±41	2661±16	✓
	B42-1	19:29	7.22	4.8	660	62	8.5	6.78	2065±38	2634±26	✓
	CZ5-2	19:48	7.16	4.8	620	241	-	-	576±7	537±35	✓
	B44-1	20:09	8.05	4.8	790	88.5	2.7	2.0	1569±23	2516±23	✓
	B50-1	20:57	7.13	4.5	990	77.9	3.6	1.8	2539±36	2670±13	✓
	B53-1	21:21	7.22	4.6	100	119	4.3	2.1	1783±23	2666±24	✓
	CZ5-3	21:43	7.23	4.9	630	244	2.0	1.7	556±7	570±47	✓
	B55-1	22:03	6.52	5.0	580	46.1	2.7	2.2	2546±58	2671±20	✓
	B56-1	22:24	7.19	5.1	930	70.5	9.6	5.7	2383±36	2704±16	✓
	B57-1	22:44	7.44	4.8	120	109	10.0	4.5	2085±36	2673±15	✓
	CZ5-4	23:02	7:28	5.0	650	234	1.0	0.9	576±9	5530±55	✓
	B1-2	23:27	6.30	4.6	880	124	28.3	13.6	1725±27	2658±23	✓
	B2-1	23:47	7.11	4.3	110	104	16.0	0.68	2253±32	2730±20	✓
	B5-1	00:08	7.44	4.8	860	58.5	14.1	8.98	2598±42	2644±23	✓
	B2B43-1	00:51	7.95	4.2	180	333	96.0	28.3	1092±13	2506±25	✓
	CZ5-5	1:14	7.26	5.1	650	233	0.1	0.07	568±14	613±NA	✓
	A1-1	1:42	6.78	4.9	440	32.1	1.2	1.32	2700±60	2663±19	✓
	A2-1	2:01	6.27	5.9	350	24	2.0	3.1	2644±60	2692±32	✓
	A3-1	2:20	5.93	5.1	230	15.6	-	-	2762±81	2669±25	✓
	A4-1	2:41	6.77	5.2	100	72.4	4.0	2.0	2653±47	2695±11	✓
	CZ6-1	3:00	6.26	5.9	590	225	1.8	1.63	568±7	539±49	✓
	A5-1	3:21	7.11	5.0	670	45	1.0	0.76	2727±48	2667±16	✓
	A6-1	3:42	6.71	5.3	900	62.9	0.9	0.52	2657±54	2675±15	✓

\*?  
 aborted runs on 49 50 51  
 due to high 204 206 etc

Should be 1-3 ✓\*  
 Should be 2-2 ✓\*

Should be CZ5-6 ✓  
 fixed + stupid.

