

UWA SHRIMP DATA LOG

Date: 28/10/99 UWA Mount No.: 99-33 Whose sample?: AGSO Operator(s): N McN / AP.

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 = 64V/13.0 for O<sup>-</sup>; = 41V/2.3 for O<sub>2</sub><sup>-</sup>; = 32V/4.4 for NO<sup>-</sup>

dead-time = 32 nanosecs expected resolution = >4200 actual resolution =

aperture = 100 microns retardation lens = 7 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 = 8.169 204-bkg = 0.045 204-206 = 2.002

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.1 nA Primary-CZ3 = 2.9 nA PESABM-CZ3 = 28 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: C = 7 analysis  $\chi^2 = 1.45$  Age = 2790 ± 10 Ma.

1<sup>st</sup> very stable.

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?
2.9 nA	sl. 10-1	4:05	6.96	10.0	1293	220	2.4	.03	572 ± 1 637 ± 21	✓
"	sl. 10-2	4:22	7.04	10.1	1310	211	19.6	1.71	571 ± 1 521 ± 27	✓ High Pb204
2.9 nA	C. 83-1	4:42	6.88	10.1	9785	292	55.4	.47	2781 ± 6 2782 ± 4	✓ O.K.
2.9-3.1 nA	C. 84-1	5:05	6.49	10.6	7180	264	106.3	1.10	2569 ± 6 2759 ± 6	✓ X
1 <sup>st</sup> = 3.1 nA	sl. 10-3	5:27	6.83	10.8	1305	220	-ve	-	565 ± 1 525 ± 21	✓
3.0 nA	C. 87-2	5:44	6.52	8.8	9674	471	17.5	.11	2378 ± 4 2710 ± 4	✓ X
"	C. 89-1	6:03	6.70	10.1	2359	77	-ve	-	2747 ± 11 2790 ± 7	✓ O.K.
" - 3.1 nA	C. 74-1	6:21	7.03	10.3	7525	219	33.8	.41	2654 ± 6 2762 ± 5	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Offsets OK?
									206/238	207/206	
	C 90-1 <del>SE</del>	6:38	6.77	10.8	2997	91	8.8	.25	2694 $\pm$ 10	2780 $\pm$ 8	✓ O.K.
	SL 9-1 <del>EE</del>	6:57	6.93	10.7	1336	222	0.8	-.09	553 $\pm$ 1	572 $\pm$ 21	✓
	C.77-1	7:15	7.09 <del>10.2</del>	10.2	13.0K	348	19.8	.14	2800 $\pm$ 5	2789 $\pm$ 3	✓ O.K.
	<i>very nonlinear</i> C.91-1	7:44	6.92	10.6	4674	140	22.7	.43	2613 $\pm$ 8	2790 $\pm$ 7	✓ ?
	C.69-1	8:09	7.02	10.3	3593	97	5.1	.13	2828 $\pm$ 10	2792 $\pm$ 7	✓ O.K.
	C.69-2	8:26	6.98	10.2	6554	189	1.0	.01	2741 $\pm$ 7	2795 $\pm$ 4	✓ O.K.
	SL.9-2	8:44	6.79	10.7	1307	222	1.4	-.02	574 $\pm$ 1	513 $\pm$ 22	✓
	C.92-1	9:03	6.84	10.4	<del>2554</del> 8.6K	253	4.6	.05	2792 $\pm$ 6	2784 $\pm$ 4	✓
	C.70-1	9:21	6.65	10.9	2.6K	79	4.0	.13	2793 $\pm$ 11	2787 $\pm$ 8	✓
FINISH											