

UWA SHRIMP DATA LOG

Date: **25/10/99** UWA Mount No.: **99-34** Whose sample?: **AGSO** Operator(s): **McN + AR**

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/11.0** for O⁻; = **40v/2.4** for O₂⁻; = **30v/14.2** for NO⁻

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 = **1.998**

206-207 = **1.000** 206-208 = **2.000**

Primary-epoxy = **2.0** nA Primary-CZ3 = **2.6** nA PESABM-CZ3 = **25** pA

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

Comments:

Following on from Mount UWA 99-47.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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	S1.16-1	5:27	6.07	8.7	786	220	3.3	.28	571 ± 11 601 ± 45	✓
	S1.16-2	5:45	6.29	8.2	833	213	1.2	.10	588 ± 11 589 ± 39	✓
	A 35-1	6:05	6.74	8.1	4762	177	5.7	.08	2785 ± 7 2641 ± 6	✓
	S1.16-3	6:23	6.81	7.5	917	195	1.7	.15	608 ± 11 546 ± 40	✓
	A 39-1	6:43	6.29	7.5	690	37	2.8	.21	2634 ± 18 2601 ± 17	✓
	A 61-1	7:01	7.14	7.7	4569	153	1.3	.22	2745 ± 8 2634 ± 6	✓
1st ThO	S1.16-4	7:19	7.08	7.6	995	184	1.5	.14	616 ± 1.1 601 ± 23	✓
1st ThO	A 56-1	7:39	7.09	7.9	349	11	4.2	.94	2823 ± 31 2613 ± 33	✓

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?
	A 58-1	7:59	7.4	7.3	7136	210	12.7	.15	2895 ± 7	2633 ± 5	✓
	A 57-1	8:19	6.4	8.0	1552	70	11.0	.41	2733 ± 12	2629 ± 11	✓
	A 60-1	8:41	6.9	8.0	1843	61	8.1	.33	2891 ± 13	2632 ± 10	✓
✓ TLD	S 16-5	8:59	6.3	8.0	872	218	3.5	.29	592 ± 11	420 ± 48	✓
✓ TLD	A 43-1	9:18	6.9	7.4	910	35	2.0	.15	2729 ± 18	2627 ± 14	✓
	A 49-1	9:39	6.7	8.6	2017	74	6.4	2.21	2722 ± 12	2648 ± 17	✓

048
259
2812