

Follow ON FROM 99-15

UWA SHRIMP DATA LOG

Date: 26/11/99 UWA Mount No.: 99-33 Whose sample?: AGSO Operator(s): IF/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

Epoxy Steel: Wein volts / nA = 82/14 for O⁻; = 58/2.2 for O₂⁻; = 48/7.0 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4678

aperture = 100 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 =

206-207 = 1.000 206-208 = 2.000 Sensitivity = 12.4

Primary-epoxy = 2.2 nA Primary-CZ3 = 3.2 nA PESABM-CZ3 = 36 pA

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments:

1.34% on 12

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?

Rejection	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ± 1σ (Ma)	206/238	207/206	Offsets OK?
	CZ 12-1	21:10	6.99	9.9	1244	212	1.2	.11	550 ± 1	540 ± 64	✓	
	CZ 12-2	21:28	7.10	9.7	1275	220	-ve	-ve	572 ± 1	549 ± 21	✓	
	A.3-1	21:48	7.11	9.9	585	19	-ve	-ve	2512 ± 20	2635 ± 20	✓	
	A.4-1	22:07	7.02	10.0	1347	45	1.0	.06	2566 ± 14	2644 ± 12	✓	
	CZ 12-3	22:26	6.90	10.0	1214	229	2.3	.204	551 ± 1	608 ± 22	✓	
1st ThO uO	A.2-1	22:46	6.87	10.0	1039	36	2.3	.18	2575 ± 16	2638 ± 14	✓	
	A.33-1	23:05	6.99	9.8	2264	76	0.6	.02	2591 ± 11	2637 ± 8	✓	
	A.12-1	23:25	7.47	9.1	763	22	0.4	.05	2712 ± 20	2630 ± 16	✓	

low

Mount/sample No: 99-33

Date: 27/11/99

Page No: 2

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?
	C2 12-4	23:44	7.04	9.8	1241	225	-ve	.05	553 ± 1	636 ± 22	✓
	A. 13-1	24:03	7.40	9.5	883	26	1.2	.13	2561 ± 18	2643 ± 15	✓
	A. 11-1	24:22	6.97	10.1	2687	88	3.6	.12	2594 ± 10	2621 ± 8	✓
	A. 20-1	24:42	6.74	10.1	1309	48	2.4	.14	2586 ± 14	2630 ± 12	✓
	C2 12-5	1:01	6.94	10.1	1207	228	1.3	.03	539 ± 1	615 ± 22	✓
	C2 12-6	1:19	7.05	9.9	1250	222	-ve	.01	556 ± 1	591 ± 22	✓
1st U, NO	A. 23-1	1:38	6.73	9.9	1273	48	-ve	-ve	2569 ± 14	2660 ± 10	✓
	A. 16-1	1:57	7.23	9.7	1131	37	1.0	.08	2475 ± 14	2636 ± 12	✓ x
	A. 17-1	2:16	7.02	9.8	2031	67	-ve	-ve	2612 ± 11	2652 ± 8	✓
	A. 28-1	2:13	6.72	10.0	1917	73	0.1	.005	2524 ±	2653 ±	✓
	C2 12-7	2:55	6.92	10.0	1214	227	1.9	.16	554 ± 1	548 ± 39	✓
1° dropped during analysis.	A. 30-1	3:14	7.21	9.5	2397	75	0.5	.02	2632 ±	2644	✓
	A. 31-1	3:34	6.86	9.7	1159	42	2.1	.14	2568 ± 15	2609 ± 13	✓
	A. 34-1	3:55	6.48	9.9	567	25	1.4	.16	2479 ± 19	2644 ± 19	✓ x
	A. 35-1	4:17	6.69	9.4	852	31	-ve	-ve	2755 ± 19	2557 ± 13	✓ x
	C2 12-8	4:36	7.02	9.6	1184	223	0.1	.009	550 ± 1	579 ± 22	✓
	C2 12-9	4:54	6.92	9.5	1198	231	-ve	-ve	569 ± 1	517 ± 21	✓
1st U, NO	A. 27-1	5:14	6.56	9.5	777	32	0.5	.04	2619 ± 19	2647 ± 18	✓
	A. 25-1	5:32	7.09	9.5	1596	52	1.3	.07	2628 ± 13	2662 ± 10	✓
	A. 26-1	5:51	7.19	9.7	1861	60	2.7	.13	2516 ± 12	2631 ± 9	✓
1st scan	A. 36-1	6:09	7.13	9.0	661	21	1.1	.14	2808 ± 22	2609 ± 19	✓ x
	C2 10-4	6:31	6.85	9.9	1201	229	-ve	-ve	562 ± 1	523 ± 21	✓
1st scan	A. 37-1	6:58	6.67	9.9	1095	43	0.5	.03	2550 ± 15	2628 ± 12	✓
	A. 5-1	7:10	7.50	9.2	1918	56	2.1	.10	2613 ± 12	2633 ± 10	✓
	A. 6-1	7:28	7.41	9.0	1349	41	-ve	-ve	2647 ± 15	2631 ± 10	✓

