

UWA SHRIMP DATA LOG

Date: 17/11/99 UWA Mount No. 99-58 Whose sample? Stu Operator(s) IF+SB

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

Reim
Steel: Wein volts / nA = 70/7.6 for O⁻; = 46/2.0 for O₂⁻; = 37/6.3 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5620

aperture = 100 microns retardation lens = _____ 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 = 8.172 204-bkg = 0.045 204-206 = 1.0005

206-207 = 1.0005 206-208 = 2.001

Primary-epoxy = 2.0 nA Primary-CZ3 = 2.8 nA PESABM-CZ3 = 25 pA

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

Comments: Sensitivity = 14.5

Second half of session - 99-11B

Stats:

n = 6

error = 2.13

with slope = 2.0

(Actual slope = 2.50)

Standards

n = 8

error = 1.88%

on slope = 2.0

(Actual slope = 1.91)

Rejection over-ride	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?
	C2.9-1	12:30	6.79	9.3	1185	-	-ve	-	-	620	✓
	C2.9-2	12:47	6.69	10.3	1269	220	-ve	-	585	497	✓
	A.14-1	13:12	6.42	10.9	780	26	16	1.6	2669	2730	✓
	A.15-1	13:29	6.96	9.9	1901	55	0.9	-0.4	2700 ± 12	2678 ± 9	
	S1.14-1	13:56	6.82	10.0	1233	211	0.6	0.5	572 ± 1	559 ± 32	
	A.16-1	14:10	6.99	9.9	886	25	2.0	-2	2762 ± 19	2650 ± 15	
	A.17-1	14:30	6.49	9.9	1380	53	2.3	-12	2556 ± 13	2686 ± 11	
	A.18-1	14:48	6.53	10.9	956	25	26	2.1	3073 ± 21	2985 ± 20	

change files from 99-11 to 99-58.

100/1 238/1

labelled 15-1

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 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.19-1	15:10	6.60	10.3	1495	51	15	-82	2608 ± 13	2658 ± 14	
	A.19-2	15:27	6.75	10.2	728	22	-1.3	-	2758 ± 20	2695 ± 13	
	Sl. 14-2	15:47	6.64	10.2	1197	219	-0.5	-0.05	571 ± 1	585 ± 22	
	A.20-1	16:07	6.64	10.0	993	32	2.9	-23	2732 ± 17	2648 ± 14	
	A.21-1	16:24	6.40	10.7	732	27	2.8	2.9	2492 ± 18	2689 ± 30	
	A.22-1	16:44	6.55	10.5	1300	40	6.7	.41	2815 ± 15	2669 ± 13	
	A.23-1	17:01	6.49	10.3	1243	41	2.6	-16	2777 ± 15	2713 ± 12	
	A.24-1					61	444	18	2412 ± 13	2687 ± 40	
	ThO/U Sl. 11-1					209	-1.1	-0.1	564 ± 1	575 ± 22	
	A.25-1	18:21	6.68	10.9	2225	65	165	6.5	2572 ± 12	2643 ± 26	
	A.26-1	18:41	7.32	8.3	541	16	1.6	.25	2776 ± 25	2723 ± 20	
	A.27-1	19:03	6.68	10.2	428	13	1.0	-18	2741 ± 26	2685 ± 24	
	A.28-1	19:23	6.72	9.6	626	20	4.6	.57	2820 ± 22	2683 ± 21	
	A.29-1	19:46	6.53	9.1	899	37	16.2	1.2	2516 ± 16	2601 ± 21	
	Sl. 10-1	20:09	6.75	9.8	1198	213	2.7	.03	582 ± 1	538 ± 23	
	238/11 UO/U A.30-1	20:26	6.89	9.3	718	21	1.7	-20	2876 ± 23	2667 ± 18	
	A.31-1	20:46	5.98	9.5	1130	55	9.5	-45	2699 ± 15	2697 ± 14	
	A.32-1	21:05	6.90	9.5	1292	39	0.4	-0.3	2782 ± 15	2682 ± 11	
	A.33-1	21:23	6.68	9.7	1066	36	1.8	.13	2657 ± 16	2668 ± 14	
	A.34-1	21:41	6.86	9.4	939	32	4.4	-37	2629 ± 16	2668 ± 15	
	Sl. 10-2	22:00	6.78	9.5	1197	208	1.4	.11	599 ± 1	469 ± 32	
	A.35-1	22:22	6.68	9.9	894	29	7.1	-64	2743 ± 18	2670 ± 18	
	A.36-1	22:41	6.79	9.8	1158	36	1.6	.12	2705 ± 16	2665 ± 14	
	A.37-1	23:00	6.82	9.5	1522	46	1.0	-0.5	2841 ± 15	2686 ± 10	
	Sl. 10-3	23:21	6.52	9.9	1162	223	4.6	.38	589 ± 1	437 ± 21	

mb printing
ThO/U