

UWA SHRIMP DATA LOG

Date: 12/6/00 UWA Mount No.: A-15 Whose sample?: AGSO Operator(s): SB/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 = 34v/4.4 for O⁻; = 44v/1.6 for O₂⁻; = 66v/16.0 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4875

aperture = 100 microns retardation lens = N/A 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 = 0.0449 204-206 = 1.997

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.6 nA Primary-CZ3 = 2.0 nA PESABM-CZ3 = 32 pA

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

Comments: A-15 Populations A & C; if no good → A-18

C: 1-9 imaged not analysed
 10-15 not imaged but analysed

B: 1-15 imaged
 16 onward not imaged

Ca 0.78% on 7

5×10^{-3}

* after loading A-18! No change in 10

Sensitivity = 12.77

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?
	C2.6-4	13:32	6.68	10.4	819	220	-ve	-	572 ± 1 563 ± 26	✓
	C2.6-5	13:58	6.69	10.3	818	220	2.0	.17	574 ± 1 442 ± 44	✓
	C2.2-1	15:22	6.72	10.1	820	220	1.3	.11	572 ± 1 453 ± 43	✓
	A.2-1	15:42	6.99	9.6	1161	51	1.5	.07	2759 ± 14 2817 ± 11	✓
	A.15-1	16:01	6.95	9.5	1205	54	0.7	.03	2785 ± 14 2791 ± 11	✓
	A.16-1	16:19	7.14	9.6	1861	77	2.5	.08	2752 ± 11 2817 ± 9	✓
	A.17-1	16:39	7.14	9.6	937	38	1.4	.09	2779 ± 16 2809 ± 13	✓
	C2.2-2	16:58	6.69	10.2	816	223	-ve	-	565 ± 1 548 ± 26	✓

10 Errors L
 computer crashed →

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Rejection override	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Offsets OK?
									206/238	207/206	

del scan 1 238 →

	A. 8-1	17:20	6.72	10.5	484	22	-ve	-	2773 \pm 23	2816 \pm 16	✓
	A. 18-1	17:39	7.02	9.8	1691	76	0.9	.03	2632 \pm 11	2805 \pm 9	✓
	A. 7-1	17:57	7.04	9.7	2043	88	1.9	.05	2740 \pm 10	2814 \pm 8	✓
	A. 14-1	18:17	6.92	9.9	1841	81	1.4	.04	2756 \pm 11	2811 \pm 9	✓
Scan 1	A. 19-1	18:36	7.30	9.8	777	29	2.4	.21	2761 \pm 17	2796 \pm 14	✓
	C2. 2-3	18:55	7.03	9.8	845	211	0.5	.03	557 \pm 1	610 \pm 26	✓
	A. 20-1	19:14	6.71	9.9	1243	59	0.7	.03	2782 \pm 13	2800 \pm 11	✓
	A. 21-1	19:33	6.96	9.7	1625	70	1.9	.07	2798 \pm 12	2828 \pm 9	✓
	A. 6-1	19:52	6.53	9.4	938	51	-ve	-	2748 \pm 15	2819 \pm 11	✓
	A. 9-1	20:15	7.02	10.2	1629	66	1.6	.06	2769 \pm 12	2807 \pm 9	✓
	A. 22-1	20:33	6.80	9.7	2157	110	0.8	.02	2579 \pm 9	2800 \pm 8	✓
	A. 23-1	20:51	7.11	9.8	1240	50	1.3	.06	2787 \pm 14	2815 \pm 11	✓
	C2 2-4	21:09	6.77	10.3	834 219	219 0.0	0.00	.00	562 \pm 1	548 \pm 26	✓
	A. 13-1	21:28	7.26	9.6	1011	40	-ve	-	2776 \pm 15	2828 \pm 11	✓
	A. 24-1	21:48	6.79	9.9	566	26	1.4	.14	2833 \pm 21	2808 \pm 17	✓
	A. 25-1	22:07	6.67	9.7	648	33 0.0	-	-	2702 \pm 18	2845 \pm 14	✓
	A. 26-1	22:24	7.07	9.7	2130	89	0.1	.004	2776 \pm 10	2825 \pm 8	✓
	A. 27-1	22:43	7.38	9.4	1088	47	0.7	.04	2525 \pm 13	2819 \pm 12	✓
	A. 10-1	23:01	6.73	10.2	960	44	0.1	.004	2798 \pm 15	2800 \pm 11	✓
	C2 2-5	23:20	6.99	9.8	857	214	-ve	-	566 \pm 1	553 \pm 25	✓
1st 110	A. 28-1	23:38	7.01	9.9	1017	44	2.6	.15	2708 \pm 15	2781 \pm 12	✓
	A. 29-1	23:57	6.97	9.9	1384	61	1.6	.07	2714 \pm 12	2816 \pm 11	✓
	A. 30-1	24:15	7.05	9.9	1483	62	-ve	-	2742 \pm 12	2805 \pm 9	✓
	A. 5-1	24:34	6.74	10.1	654	31	2.4	.20	2729 \pm 18	2823 \pm 17	✓
	A. 31-1	24:52	7.03	10.0	1326	59	3.4	.16	2595 \pm 12	2789 \pm 11	✓