

UWA SHRIMP DATA LOG

Date: 25/3/02 UWA Mount No.: C-16 Whose sample?: AMIRAB24 Operator(s): Stu. B

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 ⁴⁰ 30/10 10 5 5 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4943

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 = 8.170 204-bkg = 0.045 204-206 =
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 3.2 nA Primary-CZ3 = 4.6 nA PESABM-CZ3 = pA

Raster time (mins): 2.0 Raster aperture (microns): 70 No. of scans: 6

Comments: Mount C-16 FT/B = 0.50
 HT/LT = 0.65
 Sens =

A: E393 (Kanama) only 1/2
 B: E396 (Lawlers) ✓

Standards: n = 10
 1.36‰

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?
	CZ.33-1	10:53	5.60	27.0	2200	238	1.6	.05	572	580	✓
	CZ.33-2	11:14	5.69	31.0	2600	231	1.0	.00	588	566	✓
	B.1-1	11:35	5.86	31.0	7300	111	0.7	.02	2810	2699 ± 4	✓
	B.1-2	11:57	5.89	30.0	7100	112	0.1	.04	2788	2697 ± 5	
	CZ.33.3	12:17	6.10	30.0	2700	232	0.00	.01	587	592	✓
	B.2-1	12:38	5.55	29.0	6200	112	0.3	.01	2707	2694 ± 6	
	B.3-1	13:03	5.78	30.0	5800	98	1.0	.04	2694	2690 ± 6	
	B.4-1	13:25	5.95	30.0	5400	87	0.0	-	2708	2668 ± 5	✓

Mount/sample No: C-16 (B)

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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?

	B.5-1	13:45	5.92	31.0	7900	128	1.0	.03	2632	2660 ± 9	
	CZ.33-4	14:09	5.48	28.0	2200	238	-ve	-	570	632	✓
	B.6-1	14:30	5.93	32.0	4900	74	0.3	.02	2731	2704 ± 5	
	B.7-1	14:52	5.73	30.0	5600	95	-ve	-	2712	2689 ± 5	
	CZ.33-5	15:13	5.81	30.0	2600	240	0.2	-02	584	607	✓
	B.7-2	15:41	5.91	32.0	5200	79	0.7	.03	2651	2674 ± 6	X ²⁰⁴⁻¹⁹⁶ = 8.173
	B.8-1	16:01	5.89	31.0	4400	68	0.2	.01	2732	2685 ± 7	X ²⁰⁴⁻¹⁹⁶ = 8.0173
	B.9-1	16:21	6.08	30.0	7900	119	0.1	.002	2730	2691 ± 5	X "
	B.10-1	16:43	5.88	30.0	5800	92	0.1	.002	2706	2671 ± 6	✓
	CZ.33-6	17:03	5.81	31.0	2700	237	0.0	-	577	582	✓
	B.11-1	17:31	6.00	33.0	7700	112	0.8	.02	2686	2692 ± 9	
	B.12-1	17:51	5.68	32.0	5600	86	0.6	.03	2758	2704 ± 5	✓
	B.12-2	18:11	5.91	30.0	7300	112	0.7	.02	2843	2696 ± 6	✓
	B.13-1	18:31	5.97	31.0	9400	160	4.9	.11	2505	2578 ± 4	✓
	B.14-1	18:52	5.82	30.0	5700	92	0.4	.02	2545	2647 ± 5	
	CZ.33-7	19:13	5.87	31.00	2700	229	0.1	-01	594	610	✓
	B.15-1	19:33	6.36	28.0	5900	87	1.1	.04	2688 2798	2688 ± 6	✓
	B.16-1	19:56	5.97	31.0	6600	99	-ve	-	2775	2686 ± 5	✓
	B.16-2	20:17	5.94	30.0	5800	90	0.3	.01	2774	2692 ± 4	✓
	B.17-1	20:37	6.14	31.0	4900	70	0.5	.03	2801	2681 ± 6	✓
	B.18-1	21:00	5.42	29.0	5300	103	0.1	<.01	2646	2639 ± 5	✓
	B.19-1	21:21	5.76	31.0	5100	79	0.4	.02	2740	2687 ± 5	
	CZ.33-8	21:41	5.92	31.0	2800	231	0.5	.05	596	515	
	A.27-1	22:03	4.81	21.0	8300	25	0.2	.03	2694	2686 ± 17	
	A.27-2	22:30	5.82	20.0	1300	29	2.5	.30	2847	2737 ± 20	✓

Afternoon fluctuating 10

204-196 offsets too large
Corrected offsets.

Called 'B'

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	A.25-1	22:52	5.62	35.0	10000	151	33	.08	2659	2658 ± 4	
	A.25-2	23:12	6.41	28.0	120K	188	2.5	.05	2695	2660 ± 4	✓
	A.28-1	23:33	5.90	33.0	1300	19	3.9	.70	2791	2682 ± 17	✓
	A.29-1	23:54	6.11	30.0	3100	46	0.2	.02	2800	2715 ± 8	
	CZ.33-9	0:17	5.92	31.0	2700	230	0.3	.01	584	568	✓
	A.30-1	0:37	5.98	30.0	1000	16	1.0	.22	2799	2640 ± 17	
	A.31-1	0:58	6.21	28.0	1500	22	-VR	-	2841	2691 ± 9	
	A. 24 ²² -1	1:37	5.78	30.0	8400	140	4.4	.11	2719	2669 ± 4	✓
	A.21-1	2:00	6.09	29.0	9500	147	5.0	.12	2721	2645 ± 5	✓
	CZ.33-10	20:20	5.81	31.0	2600	228	0.6	.05	592	562	
	A. 19 ¹⁹ -1	3:02	6.32	30.0	7200	105	3.6	.12	2706	2548 ± 200	X

Aborted several high-204 analyses.

Are dropped out Scan 5.

*Delete Scan 586