

UWA SHRIMP DATA LOG

Date: 9/2/02 UWA Mount No.: B-91, B-80 Whose sample?: SB/AMIRA Operator(s): 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~~40~~ 10 5 5 2
Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 371/18.5 for O⁻; = 262/5.4 for O₂⁻; = 219/11.5 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4673

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 = 2.000 Sens. = 17.9

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 4.7 nA Primary-CZ3 = 6.7 nA PESABM-CZ3 = 130 pA

Raster time (mins): 1 Raster aperture (microns): 60 No. of scans: 6

Comments: B-91 (B) Sample E392 → Reanalyse youngest grains
B-91 (C) " E391 → Small population.
B-91 (A) " E387 → ~25 analyses.

Run time
14 mins, 6sec.

All standards
1.64%
n = 16

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	9:48	6.45	32	3600	238	-0.1	-	572	579	✓
	CZ-33-2	10:09	6.05	48	4300	217	-0.5	-	546	525	✓
	*CZ-33-3	10:31	5.72	50	4100	238	-0.1	-	572	564	
B-91	B.22-2	10:54	5.87	5.2	9800	92	10.6	.41	2730	2762 ± 11	
	B.22-3	11:12	5.67	5.0	11K	89	280	9.1	2964	2782 ± 47	✓
	B.22-4	11:30	5.74	4.8	8500	87	1.2	.05	2771	2794 ± 4	
	CZ-33-4	11:49	5.89	5.0	4500	246	0.3	.02	587	568	✓
	B.22-5	12:08	5.44	3.9	3300	45	-0.9	.07	2787	2819 ± 16	✓

Rejection over-ride Sample/Std ID Time - printout UO/U Kcps 196 cps 206 cps U ppm ²⁰⁴Pb ppb f₂₀₆ % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

B91B

	B.22-6	12:26	6.25	4.3	9700	107	3.0	0.1	2618	2676 ±4	✓
	B.24-2	12:46	5.44	4.9	7700	97	0.9	-0.4	2474	2640 ±7	✓
	B.24-3	13:04	5.74	4.8	9800	103	4.1	-1.4	2716	2769 ±8	
	CZ.33-5	13:25	5.69	5.4	4500	238	0.3	-0.3	574	548	✓
Scan ①	B.27-2	13:43	5.66	5.0	9000	94	1.3	-0.5	2691	2777 ±5	
	B.27-3	14:01	5.89	5.5	10000	101	3.7	-1.5	2433	2694 ±5	
	B.31-2	14:23	5.97	4.9	7000	66	0.8	-0.4	2856	2802 ±5	✓
	CZ.33-6	14:41	5.31	4.6	3600	243	0.7	-0.6	576	540	✓

B91C

	C.1-1	15:04	5.69	5.5	870	7.4	0.6	-2.5	2893	2814 ±19	
	C.2-1	15:22	5.53	5.6	4500	52	5.5	.5	2318	2734 ±22	
	C.3-1	15:43	5.87	5.1	6900	6.3	1.1	-0.6	2818	2790 ±31	✓
	C.4-1	16:03	6.09	5.0	9500	84	-0.1	-0.05	2764	2773 ±20	
	C.4-2	16:22	5.57	4.9	9800	106	0.8	-0.3	2704	2760 ±41	
	CZ.33-7	16:40	5.62	4.9	4100	241	0.9	-0.7	587	580	✓

B-91A

	A.1-1	17:02	5.72	5.2	2800	26	-0.4	-0.2	2788	2718 ±8	✓
	A.2-1	17:22	5.43	6.5	1900	18	2.5	-0.55	2481	2685 ±44	✓
	A.3-1	17:41									
	A.4-1	18:01	5.88	5.5	4700	42	1.7	-1.5	2670	2718 ±7	✓
	A.5-1	18:20	5.80	5.1	5700	54	1.1	-0.7	2772	2702 ±7	
	CZ.33-8	18:40	5.80	5.1	4300	236	0.9	-0.7	576	553	✓
	A.6-1	18:59	5.57	5.7	2300	20	-0.2	-0.2	2775	2702 ±9	
	A.7-1	19:18	5.49	5.0	2500	26	1.0	-1.4	2721	2673 ±10	
	A.8-1	19:36	6.00	5.2	4100	36	1.1	-1.1	2771	2695 ±10	✓
238/6 248/6 254/6	A.9-1	19:55	5.52	5.3	6700	66	-0.2	-0.2	2784	2722 ±11	
	A.10-1	20:14	5.41	5.4	1200	11.8	0.1	-	2711	2708 ±11	

W

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Offsets OK?
	C2.33-9	20:35	5.74	5.4	4600	236	0.3	-03	593	512	
	A.11-1	20:58	5.28	6.4	4000	35	1.2	-12	2733	2712 ± 10	✓
	A.12-1										
	*C2.34-1	22:16	5.64	5.5	4200	238	-0.1	-ve	572	582	✓
	A.12-1	22:35	5.82	4.9	3500	37	0.7	-07	2809	2695 ± 8	
	A.13-1	22:54	5.69	5.2	3100	33	0.1	-01	2719	2712 ± 7	
	A.14-1	23:11	5.80	4.8	5300	57	0.6	-04	2775	2693 ± 8	✓
	A.15-1	23:29	6.08	5.3	8700	86	4.8	-04	2619	2651 ± 7	✓
	A.16-1	23:47	5.96	5.1	5000	49	-0.1	-ve	2786	2708 ± 6	
	C2.34-2	0:05	5.70	5.0	4200	256	-0.3	-ve	591	544	✓
	A.17-1	0:23	5.69	5.4	3300	34	0.6	-06	2739	2680 ± 8	
	A.18-1	0:44	5.66	5.2	7300	77	1.5	-07	2738	2660 ± 31	
	A.19-1	1:02	5.66	5.1	2200	24	0.2	-03	2749	2710 ± 11	
	A.19-2	1:19	6.13	5.4	2700	25	0.3	-04	2690	2724 ± 11	✓
	A.20-1	1:37	5.91	4.9	3500	36	0.0	-	2782	2703 ± 8	✓
	C2.34-3	1:59	5.96	4.9	4500	264	0.1	-	575	589	✓
	^{B-80 *} C2.32-1	2:22	5.87	5.5	4800	238	-0.4	-ve	572	540	✓
	B.1-1	2:43	5.63	5.4	1200	121	0.6	-02	2649	2660 ± 11	✓
	B.2-1	3:01	5.93	5.4	8300	77	0.3	-01	2620	2669 ± 10	
	B.3-1	3:19	6.28	4.6	5700	54	-0.7	-ve	2741	2667 ± 5	✓
	B.4-1	3:38	6.13	5.4	4600	40	-0.2	-ve	2673	2674 ± 7	
	B.5-1	3:57	5.87	5.6	3400	30	-0.9	-ve	2652	2668 ± 22	✓
	C2.32-2	4:15	5.71	5.6	4500	233	0.3	-03	561	587	
	B.5-2	4:32	5.76	5.3	3500	32	0.4	-04	2733	2653 ± 9	✓
	B.6-1	4:55	6.13	5.1	6100	56	0.8	-05	2645	2666 ± 5	✓

1^o freeze up.
reset the →
& New Setup.

Mount
B-80

