

### UWA SHRIMP DATA LOG

Date: 9/2/02      UWA Mount No.: B-91, B-80      Whose sample?: SB/AMIRA      Operator(s): SB

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Indicate any change to the following:    196   204   bkg    206   207   208   238   248   254   270

Precambrian    Count time (secs):    2    10    10    10~~00~~ 30~~00~~    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<sup>-</sup>; = 262/5.4 for O<sub>2</sub><sup>-</sup>; = 219/11.5 for NO<sup>-</sup>

dead-time = 32 nanoseconds      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    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

Sens. = 17.9

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, 6 sec.

All standards  
1.64 %  
n = 16

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	* C3-33-1	9:48	6.45	32	3600	238	-0.1	-	572	579	✓
	C3-33-2	10:09	6.05	48	4300	217	-0.5	-	546	525	✓
	* C3-33-3	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	
	C3-33-4	11:49	5.87	5.0	4500	246	0.3	.02	557	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	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	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	4.8	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	
	C2.33-5	13:25	5.69	5.4	4500	238	0.3	.03	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	.15	2433	2694 ±5	
	B.31-2	14:23	5.97	4.9	7000	66	0.8	-0.4	2856	2802 ±5	✓
	C2.33-6	14:41	5.31	4.6	3600	243	0.7	.06	576	540	✓
	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	.6	2818	2790 ±31	✓
	C.4-1	16:03	6.09	5.0	9200	84	-0.1	.005	2764	2773 ±20	
	C.4-2	16:22	5.57	4.9	9800	106	0.8	-0.3	2704	2760 ±41	
	C2.33-7	16:40	5.62	4.9	4100	241	0.9	-0.7	587	580	✓
	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	.55	2481	2685 ±44	✓
	A.3-1	17:41									
	A.4-1	18:01	5.88	5.5	4700	42	1.7	.15	2670	2718 ±7	✓
	A.5-1	18:20	5.80	5.1	5700	54	1.1	.07	2772	2702 ±7	
	C2.33-8	18:42	5.30	5.1	4300	236	0.9	.07	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 ±11	
	A.8-1	19:36	6.00	5.2	4100	36	1.1	.11	2771	2695 ±10	✓
	A.9-1	19:55	5.52	5.3	6700	66	-0.2	-0.2	2784	2732 ±11	
	A.10-1	20:14	5.41	5.4	1200	11.8	0.1	-	2711	2708 ±11	

B91B

B91C

B-91A

238/6  
248/6  
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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 ±1σ (Ma) 206/238    207/206    Offsets OK?

	C3-33-9	20:35	5.74	5.4	4600	236	0.3	-0.3	593	512	
	A.11-1	20:58	5.28	6.4	4600	35	1.2	-1.2	2733	2712 ±10	✓
	<del>A.12-1</del>										
	C3-34-1	22:16	5.64	5.5	4200	238	-0.1	-0.2	572	582	✓
	A.12-1	22:35	5.82	4.9	3500	37	0.7	-0.7	2809	2695 ±8	
	A.13-1	22:54	5.69	5.2	3100	33	0.1	0.1	2719	2712 ±7	
	A.14-1	23:11	5.80	4.8	5300	57	0.6	-0.4	2775	2693 ±8	✓
	A.15-1	23:29	6.08	5.3	8700	86	4.8	0.4	2619	2651 ±7	✓
	A.16-1	23:47	5.96	5.1	5000	49	-0.1	-0.2	2786	2708 ±6	
	C3-34-2	0:05	5.70	5.0	4200	256	-0.3	-0.2	591	544	✓
	A.17-1	0:23	5.69	5.4	3300	34	0.6	-0.6	2739	2680 ±8	
	A.18-1	0:44	5.66	5.2	7300	77	1.5	-0.7	2738	2660 ±31	
	A.19-1	1:02	5.66	5.1	2200	24	0.2	-0.3	2749	2710 ±11	
	A.19-2	1:19	6.13	5.4	2700	25	0.3	-0.4	2690	2724 ±11	✓
	A.20-1	1:37	5.91	4.9	3500	36	0.0	-	2782	2703 ±8	✓
	C3-34-3	1:59	5.96	4.9	4500	264	0.1	-	575	589	✓
	<sup>B-80</sup> C3-32-1	2:22	5.87	5.5	4800	238	-0.4	-0.2	572	540	✓
	B.1-1	2:43	5.63	5.4	1200	121	0.6	-0.2	2649	2660 ±11	✓
	B.2-1	3:01	5.93	5.4	8300	77	0.3	0.1	2620	2669 ±10	
	B.3-1	3:19	6.28	4.6	5700	54	-0.7	-0.2	2741	2667 ±5	✓
	B.4-1	3:38	6.13	5.4	4600	40	-0.2	-0.2	2673	2674 ±7	
	B.5-1	3:57	5.87	5.6	3400	30	-0.9	-0.2	2652	2668 ±22	✓
	C3-32-2	4:15	5.7	5.6	4500	233	0.3	-0.3	561	587	
	B.5-2	4:32	5.76	5.3	3500	32	0.4	-0.4	2733	2653 ±9	✓
	B.6-1	4:55	6.13	5.1	6100	56	0.8	-0.5	2645	2666 ±5	✓

1<sup>st</sup> freeze up.  
reset Aux →  
& New Setup.

Mount  
B-80

Rejection over-ride	Sample/ Std ID	Time - printout	U/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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B-80

	B.7-1	5:14	5.97	5-3	4400	40	0.2	.02	2696	2683 ± 7	✓
	B.8-1	5:34	5.44	5-7	5800	58	0.4	-0.3	2588	2679 ± 6	
	B.8-2	5:52	5.92	5-2	2500	23	0.5	-0.8	2696	2685 ± 14	
	CZ.32-3	6:41	6.05	5-3	4900	240	-0.2	-0.2	582	563	✓
	B.9-1	6:31	5.43	4-9	6600	75	0.3	.01	2644	2682 ± 12	196-204 offset check to 8.168 - Saw bc
	CZ.32-4	6:49	5.73	5-5	4500	232	0.3	-0.3	564	557	"

Started standard analysis & aborted in 1st scan.

196-204 offset check to 8.168 - Saw bc