

### UWA SHRIMP DATA LOG

Date: 13/10/00      UWA Mount No.: A-66      Whose sample?: SB/AMIRA      Operator(s): S.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 30/40 10 5 5 2  
~~Phanerozoic~~ Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA =  $-54/6.8$  for O<sup>-</sup>; = ..... for O<sub>2</sub><sup>-</sup>; =  $101V/3.6$  for NO<sup>-</sup>

dead-time =  $32$  nanosecs      expected resolution = >4200      actual resolution =  $5080$

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 =  $8.168$       204-bkg =  $0.045$       204-206 = .....

206-207 = .....      206-208 = .....

Primary-epoxy =  $2.1$  nA      Primary-CZ3 =  $2.9$  nA      PESABM-CZ3 =  $37$  pA

Raster time (mins):  $2$       Raster aperture (microns):  $120$       No. of scans:  $6$

Comments:

Stds.    2.60 %  
n = 6

Sens = 12-8

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	*CZ. 3-1	10:51	6.18	13.1	1151	220	2.2	.01	572		560
	CZ. 3-2	11:11	6.16	13.0	1205	227	-0.2	-	590		596
	A. 1-1	11:38	6.73	11.6	10.1K	421	20.5	.20	2031		2235 ±5
	CZ. 3-3	13:57	6.10	13.6	1257	-	-	.07	-		548
	*CZ. 3-4	14:20	6.23	14.1	1386	220	1.0	.08	572		540
	A. 2-1	14:40	6.99	11.3	14.5K	554	1.7	.01	1882		2381 ±4
	A. 3-1	15:01	6.30	13.8	5264	159	0.7	.01	2532		2677 ±5
	A. 4-1	15:23	6.11	13.5	4895	163	-0.7	-	2570		2680 ±5

Primary errors →  
Sample Program  
Crashing → reset.

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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?
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	A.5-1	15:44	6.71	12-1	105K	384	46	.44	2029	2534 ±5	
	A.6-1	16:78	6.66	12-6	9063	263	116	1.3	2418	2688 ±6	
	C2.3-5	16:41	5.95	13-6	1193	244	-1.0	0.0	534	604	
	A.7-1	17:02	6.49	13-4	6600	181	1.2	.02	2598	2678 ±5	
	A.8-1	17:23	6.46	13-1	7329	213	1.2	.02	2554	2674 ±4	
	A.9-1	17:50	6.68	13-2	7927	219	6.7	-10	2431	2633 ±4	
	A.10-1	18:09	6.60	13-4	4205	108	0.9	.02	2627	2678 ±6	
	A.11-1	18:29	6.63	13-0	6942	239	2.8	.04	2069	2502 ±5	✓
	A.12-1	19:10	6.09	13-2	3629	125	0.0	0.0	2555	2683 ±6	
	C2.3-6	19:30	6.10	13-5	1289	234	1.0	-.08	560	534	
	A.12-2	20:01	6.52	13-6	7481	206	1.6	+02	2526	2670 ±4	
	A.12-3	20:23	6.73	12-3	6746	191	1.2	.02	2487	2717 ±5	? Same Area
	A.13-1	21:11	6.62	13-2	6559	?	?	.04	?	2684 ±5	
	A.13-2	21:33	6.28	14.4	2826	?	?	-	?	2686 ±5	
	*C2.3-7	21:54	6.24	12-9	1282	220	0.2	.02	572	579	
	A.4-2	22:14	6.19	12-6	5323	180	-0.5	-	2592	2680 ±5	
	A.7-2	22:40	6.47	10-9	3545	122	0.9	.02	2564	2736 ±6	
	A.7-3	23:01	6.21	12-6	3384	114	6.8	.17	2566	2691 ±7	
	C2.4-1	23:34	6.30	12-9	1315	218	-0.4	-	572	549	✓
	A60 C2.3-1	23:58	6.64	13-6	1519	205	0.8	-.08	571	483	
	B.1-1	0:19	6.66	12-8	4568	117	-0.9	-	2653	2681 ±6	
	B.2-1	0:37	6.49	13.5	5233	140	0.0	-	2624	2684 ±5	
	B.3-1	0:55	6.49	12-7	5691	164	1.1	.02	2595	2674 ±5	
	B.4-1	1:13	6.60	13-0	5927	154	-0.1	-	5653	2691 ±5	
	B.5-1	1:31	6.45	12-9	3358	97	0.9	-.03	2590	2691 ±7	

5 scans from NOW  
 Primery Errors  
 A60

A66

A60

