

UWA SHRIMP DATA LOG

Date: 27/11/01 UWA Mount No.: B-91 Whose sample?: SB/AMIRA 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 = 284/8.9 for O⁻; = 157/1.4 for O₂⁻; = 147/6.3 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4535

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 = 1.999

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.7 nA Primary-CZ3 = 2-2 nA PESABM-CZ3 = 26 pA

Raster time (mins): 2-0 Raster aperture (microns): 100 No. of scans: 6

Comments:

Standard Jg Sens = 16.7
n = 15
Error = 1.77% (on slope = 2.0)
(Actual slope = 1.66)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>CZ-31-1</u>	<u>11:49</u>	<u>7.12</u>	<u>8.7</u>	<u>1200</u>	<u>238</u>	<u>4.7</u>	<u>0.51</u>	<u>569</u>	<u>537</u>	✓
	<u>CZ-31-2</u>	<u>12:19</u>	<u>6.89</u>	<u>9.6</u>	<u>1200</u>	<u>236</u>	<u>4.0</u>	<u>-22</u>	<u>558</u>	<u>619</u>	✓
	<u>CZ-32-1</u>	<u>12:39</u>	<u>6.59</u>	<u>10.0</u>	<u>1200</u>	<u>239</u>	<u>1.2</u>	<u>-03</u>	<u>566</u>	<u>589</u>	✓
	<u>B.1-1</u>	<u>13:03</u>	<u>6.81</u>	<u>9.5</u>	<u>2100</u>	<u>75</u>	<u>42</u>	<u>2.0</u>	<u>2622</u>	<u>2784 ± 39</u>	
	<u>B.2-1</u>	<u>13:26</u>	<u>6.54</u>	<u>9.3</u>	<u>2900</u>	<u>109</u>	<u>3.8</u>	<u>.12</u>	<u>2763</u>	<u>2827 ± 9</u>	ok.
	<u>CZ-32-2</u>	<u>13:47</u>	<u>6.76</u>	<u>8.9</u>	<u>1100</u>	<u>232</u>	<u>2.6</u>	<u>.20</u>	<u>565</u>	<u>559</u>	✓
	<u>B.2-2</u>	<u>14:15</u>	<u>6.80</u>	<u>9.1</u>	<u>2100</u>	<u>75</u>	<u>2.7</u>	<u>.13</u>	<u>2782</u>	<u>2790 ± 9</u>	ok?
	<u>B.3-1</u>	<u>14:44</u>	<u>6.99</u>	<u>9.6</u>	<u>3600</u>	<u>115</u>	<u>2.2</u>	<u>.06</u>	<u>2859</u>	<u>2821 ± 6</u>	ok

C-104890075

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	B.4-1	15:09	6.72	10	740	23	1.1	.16	2901	2834 ± 18	✓ ok
Aborted - Power Failure	B.5-1										
	C2.32-3	16:38	6.62	10	1100	243	1.5	.13	552 ± 5	602 ± 36	✓
	B.6-1	17:07	7.07	10	2200	72	1.4	.07	2711 ± 29	2825 ± 10	✓ ok?
1 st ext. stable	B.6-2	17:37	6.56	10	2800	94	7.7	.28	2775 ± 26	2809 ± 10	✓ ok
	B.7-1	17:56	6.66	10	1600	50	3.8	.26	2789 ± 33	2799 ± 13	✓ ok
	B.8-1	18:15	6.87	10	4100	133	2.1	.05	2787 ± 26	2780 ± 6	✓ ok
1 st frozen after analysis	C2.32-4	18:36	6.78	10	1200	238	2.9	.24	581 ± 5	584 ± 36	✓
1 st = 2nd	C2.32-5	19:27	6.78	10	1300	237	re	.00	568 ± 8	583 ± 8	✓
1 st red raster to 3mins	C2.32-6	19:49	6.76	10	1300	244	1.2	.10	545 ± 5	653 ± 30	✓
	B.9-1	20:10	6.58	12	2600	77	3.7	.17	2752 ± 32	2807 ± 8	✓ ok
	B.10-1	20:31	6.38	10	2900	96	2.5	.09	2812 ± 27	2793 ± 9	✓ ok
1 st dropped out start of scan 4	B.11-1	20:46	6.52	11	1900	61	3.4	.20	2725 ± 39	2843 ± 13	✓ ok?
1 st = 2nd	C2.32-7	21:14	6.70	9	1200	237	1.1	.09	578 ± 9	463 ± 40	✓
1 st ext. noisy but 2nd-2nd part. last 3 scans.	B.12-1	21:36	7.09	8	2300	98	2.8	.10	2705 ± 80	2826 ± 42	✓ ok?
1 st stable 2nd. → 2 nd orig osc current	B.13-1	21:57	6.46	9	2600	106	3.0	.10	2748 ± 26	2792 ± 8	✓ ok
1 st noisy	B.14-1	22:16	6.70	9	2400	98	3.5	.13	2651 ± 32	2793 ± 9	✓ ok?
"	X Scan 1										
"	C2.32-8	22:37	6.64	11	1300	330	1.0	.09	574 ± 17	592 ± 69	✓
"	X Scan 4										
"	B.15-1	22:57	6.85	10	3300	108	1.2	.04	2731 ± 64	2841 ± 52	✓ ok
"	B.16-1	23:21	6.60	12	2100	57	14.4	.86	2805 ± 37	2814 ± 13	✓ ok
"	B.17-1	23:50	6.16	10	1800	61	1.1	.06	2910 ± 83	2776 ± 13	✓
"	C2.32-9	00:10	6.75	10	1200	235	0.8	.07	575 ± 20	582 ± 36	✓
noisy but okay.	B.18-1	00:30	6.69	10	2100	71	1.3	.07	2702 ± 27	2853 ± 10	✓ ok
1 st noisy	Scan 5										
	B.19-1	00:52	7.13	9	3300	113	2.4	.07	2806 ± 195	2833 ± 8	✓ ok
ok	B.20-1	01:24	6.56	10	2100	71	1.4	.07	2856 ± 71	2771 ± 10	✓ ok

* Problems with 1st stability. Quick sharp spikes still occurring. Starts out stable but degenerates quickly after the 1st scan.

1st freeze again. Effort to fix. Restored. (initial)

