

**UWA SHRIMP DATA LOG**

Date: 6/5/00 UWA Mount No.: 99-87 Whose sample?: April Operator(s): (F+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\* <sup>40</sup>30/10 10 5 5 2  
 Phanerozoic\* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 74/7.8 for O<sup>-</sup>; = 50/1.85 for O<sub>2</sub><sup>-</sup>; = 42/2.4 for NO<sub>2</sub><sup>-</sup>

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5216

aperture = 70 microns retardation lens = 0 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 = 1.999

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.85 nA Primary-CZ3 = 2.6 nA PESABM-CZ3 = 40 pA

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 7

Comments: Sensitivity = 24.8

① Condenser 2 small clicks up (settings not saved)

B: mixed pop. R 2 euh grains  
 C: mixed log.

1std = 11 δ (slope 2) = 0.69% - use this  
(δ < Actual 1.98 > = 0.69%)

SBM - Rubbish

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?
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	<u>C2-21-1</u>	<u>10:54</u>	<u>7.03</u>	<u>17.6</u>	<u>1960</u>	<u>-</u>	<u>0.9</u>	<u>.08</u>	<u>-</u>	<u>554</u>	<u>-</u>
	<u>C2-21-2</u>	<u>11:21</u>	<u>7.01</u>	<u>17.3</u>	<u>2008</u>	<u>227</u>	<u>0.6</u>	<u>.05</u>	<u>581 ± 1</u>	<u>505 ± 20</u>	<u>✓</u>
	<u>B.1-1</u>	<u>11:58</u>	<u>6.33</u>	<u>20.9</u>	<u>3555</u>	<u>92</u>	<u>1.7</u>	<u>.06</u>	<u>2445 ± 7</u>	<u>2459 ± 6</u>	<u>✓</u>
	<u>B.2-1</u>	<u>12:21</u>	<u>6.49</u>	<u>18.5</u>	<u>3882</u>	<u>105</u>	<u>-</u>	<u>-</u>	<u>2456 ± 6</u>	<u>2463 ± 5</u>	<u>✓</u>
	<u>B.3-1</u>	<u>12:50</u>	<u>6.86</u>	<u>18.4</u>	<u>3526</u>	<u>80</u>	<u>2.3</u>	<u>.09</u>	<u>2479 ± 6</u>	<u>2468 ± 6</u>	<u>✓</u>
	<u>B.4-1</u>	<u>13:13</u>	<u>6.86</u>	<u>18.0</u>	<u>3783</u>	<u>88</u>	<u>-ve</u>	<u>-</u>	<u>2483 ± 7</u>	<u>2476 ± 5</u>	<u>✓</u>
	<u>C2-21-3</u>	<u>13:39</u>	<u>6.80</u>	<u>18.1</u>	<u>2002</u>	<u>237</u>	<u>-ve</u>	<u>-</u>	<u>580 ± 1</u>	<u>575 ± 13</u>	<u>✓</u>
	<u>B.5-1</u>	<u>14:09</u>	<u>6.38</u>	<u>19.0</u>	<u>3929</u>	<u>111</u>	<u>1.0</u>	<u>.03</u>	<u>2427 ± 6</u>	<u>2466 ± 6</u>	<u>✓</u>

Raster 1/120

①

Raster 1/100

zoned

2/120

B

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B

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.6-1	14:32	6.83	18.7	4493 <del>104</del>	104	1.0	.03	2450 ± 6	2480 ± 5	✓
	B.7-1	14:55	6.82	18.3	6329 <del>126</del>	156	5.8	.12	2364 ± 5	2418 ± 5	✓
	B.8-1	15:17	7.27	18.0	3407	72	1.9	.09	2349 ± 7	2402 ± 7	✓
	B.9-1	15:40	6.78	18.3	2033	48	0.4	.02	2468 ± 9	2481 ± 8	✓
charging ↓	B.10-1	16:04	5.84	16.3	1281	58	-ve	-	2379 ± 10	2470 ± 9	✓
	<del>C23.21-4</del>	16:28	6.75	18.1	1962	241	0.5	.02	572 ± 1	557 ± 15	✓
	B.11-1	16:51	7.03	17.8	4215	94	0.9	.03	2452 ± 6	2475 ± 5	✓
	B.12-1	17:15	6.55	19.6	2195	54	1.0	.06	2482 ± 9	2464 ± 8	✓
charging ↓	B.13-1	17:40	6.86	17.4	5243	129	1.1	.03	2445 ± 6	2462 ± 5	✓
	B.14-1	18:03	5.59	16.2	1250	68	3.0	.14	2324 ± 10	2450 ± 12	✓
	B.15-1	18:26	6.43	18.4	6317	182	2.8	.05	2396 ± 5	2447 ± 4	✓
	B.16-1	18:49	6.18	18.4	3655	117	2.1	.05	2441 ± 6	2463 ± 6	✓
	<del>C23.21-5</del>	19:13	6.82	17.6	1918	238	0.1	.007	565 ± Inf	605 ± Inf	✓
	B.17-1	19:37	6.53	19.9	1769	42	0.4	.03	2558 ± 10	2469 ± 9	✓
charging ↓	B.18-1	20:00	6.94	18.2	4338	97	0.1	.003	2472 ± 6	2474 ± 5	✓
	B.19-1	20:25	5.72	17.2	1442	67	-ve	-	2345 ± 9	2452 ± 9	✓
	B.20-1	20:50	6.87	18.7	6475	143	1.5	.03	2516 ± 5	2466 ± 4	✓
charging ↓	B.21-1	21:12	7.22	17.2	4301	89	0.1	.002	2515 ± 6	2472 ± 5	✓
	B.22-1	21:35	5.43	16.0	1252	80	-ve	-	2227 ± 9	2468 ± 9	✓
	<del>C23.21-6</del>	21:59	6.79	18.4	1977	233	0.6	.04	578 ± 1	561 ± 23	✓
	B.23-1	22:23	6.91	17.7	2659	61	1.3	.06	2500 ± 8	2464 ± 7	✓
	B.24-1	22:45	6.84	17.6	2976	71	0.5	.02	2502 ± 8	2465 ± 6	✓
	B.25-1	23:09	6.87	17.6	2834	68	0.6	.03	2458 ± 7	2478 ± 6	✓
	B.26-1	23:35	6.66	19.2	2167	50	-ve	-	2493 ± 9	2460 ± 7	✓
	B.27-1	24:00	6.77	18.7	4531	102	3.5	0.10	2550 ± 6	2461 ± 6	✓

higher Uppm

formed gisina

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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?

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?
	CZ 21-7	24:23	6.74	18.2	1971	238	-ve	.01	580 ± 1	559 ± 15	✓
	C. 1-1	24:47	6.71	17.8	3227	80	0.3	.01	2505 ± 7	2471 ± 7	✓
	C. 2-1	01:12	6.66	19.6	4748	109	1.9	.05	2518 ± 6	2467 ± 5	✓
	C. 3-1	01:35	6.87	19.6	4973	149	4.3	.13	1849 ± 4	2241 ± 6	✓
	C. 4-1	01:59	7.19	17.6	4294	87	0.2	.005	2535 ± 2	2461 ± 2	✓
	C. 5-1	02:24	6.64	17.8	4519	117	1.9	.05	2482 ± 6	2355 ± 5	✓
	C. 6-1	02:48	5.86	18.4	1729	68	-ve	-	2394 ± 9	2479 ± 8	✓
	ARC FELL-OUT										
	CZ 21-8	03:46	6.84	20.0	2248	242	-ve	.03	567 ± 1	554 ± 14	✓
	CZ 21-9	04:13	6.60	20.6	2069	237	0.5	.04	571 ± 1	578 ± 14	✓
	C. 7-1	04:37	5.89	20.3	2583	88	5.1	.18	2435 ± 8	2457 ± 8	✓
	C. 8-1	05:03	6.73	22.1	7175	160	2.6	.06	2271 ± 4	2370 ± 4	✓
	C. 9-1	05:35	6.63	18.1	2689	68	0.7	.03	2500 ± 8	2481 ± 7	✓
	C. 10-1	05:59	7.08	20.8	5744	113	1.0	.03	2349 ± 5	2364 ± 5	✓
	C. 11-1	06:24	6.21	19.5	3757	110	1.4	.04	2468 ± 6	2457 ± 6	✓
	CZ 21-10	06:49	6.69	19.8	1975	226	0.1	.005	573 ± 2	556 ± 2	✓
	C. 12-1	07:14	5.43	17.7	1100	64	-ve	-	2223 ± 10	2510 ± 10	✓
	C. 13-1	07:44	6.32	20.5	2724	72	-ve	-	2472 ± 8	2465 ± 6	✓
	C. 14-1	8:07	6.15	19.2	2985	91	-ve	-	2477 ± 7	2483 ± 6	✓
	C. 15-1	8:31	6.98	18.8	3538	73	1.0	.04	2536 ± 7	2472 ± 6	✓
	C. 16-1	8:55	6.04	19.5	3385	104	0.4	.01	2562 ± 7	2445 ± 7	✓
	C. 17-1	9:18	6.57	18.5	2258	56	3.2	.17	2556 ± 9	2516 ± 8	✓
	C. 18-1	9:42	6.83	18.6	2406	54	2.0	.11	2512 ± 9	2459 ± 8	✓
	C. 19-1	10:06	7.31	17.5	2797	55	0.9	.05	2528 ± 9	2453 ± 7	✓
	CZ 21-11	10:32	6.64	19.8	1980	235	-ve	-	567 ± 1	596 ± 13	✓

Alot Ortec failures - Expenses

i° = 2.6nA & v. stable.

i° ↑ 2.8nA

i° stepped down

Alot Ortec fail - 7

i° = 2.6nA stable

i° = 2.8 Stable

Fail - 6

Fail - 7

del scan 7 A

alot fail - 7

96-204  
8.167  
→ 8.168