

UWA SHRIMP DATA LOG

Date: 27/10/02 UWA Mount No.: B-92 Whose sample?: NV Operator(s): MeN & MB

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 = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 5080

aperture = ~80 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 = 8.1685 204-bkg = 0.045 204-206 = 2.000 ± 6
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.5 nA Primary-CZ3 = 1.9 nA PESABM-CZ3 = 20 pA

Raster time (mins): 1.5 Raster aperture (microns): 60 No. of scans: 6

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	<u>C2.9-1</u>	<u>22:06</u>	<u>7.05</u>	<u>10.7</u>	<u>1192</u>	<u>551</u>	<u>-2.0</u>	<u>-</u>	<u>572 ± 5</u>	<u>536 ± 26</u>	<u>✓</u> <i>As above</i>
	<u>C2.9-2</u>	<u>22:23</u>	<u>6.94</u>	<u>10.9</u>	<u>1133</u>	<u>554</u>	<u>-3.7</u>	<u>-</u>	<u>548 ± 4</u>	<u>578 ± 27</u>	<u>✓</u>
	<u>C.13-1</u>	<u>22:45</u>	<u>5.86</u>	<u>15.34</u>	<u>3143</u>	<u>293.6</u>	<u>52.2</u>	<u>0.811</u>	<u>2197 ± 15</u>	<u>2567 ± 11</u>	<u>✓</u>
	<u>C.16-1</u>	<u>23:07</u>	<u>6.88</u>	<u>10.3</u>	<u>7710</u>	<u>71.2</u>	<u>2.9</u>	<u>0.154</u>	<u>2598 ± 43</u>	<u>2662 ± 17</u>	<u>✓</u>
	<u>C2.9-3</u>	<u>23:28</u>	<u>6.95</u>	<u>10.83</u>	<u>1180</u>	<u>557</u>	<u>3.7</u>	<u>0.136</u>	<u>563 ± 4</u>	<u>555 ± 37</u>	<u>✓</u>
	<u>C.18-1</u>	<u>23:47</u>	<u>6.70</u>	<u>10.95</u>	<u>1163</u>	<u>101.3</u>	<u>3.6</u>	<u>0.131</u>	<u>2670 ± 33</u>	<u>2649 ± 14</u>	<u>✓</u>
	<u>C.21-1</u>	<u>00:07</u>	<u>6.98</u>	<u>10.64</u>	<u>1202</u>	<u>103.1</u>	<u>2.5</u>	<u>0.081</u>	<u>2649 ± 35</u>	<u>2665 ± 13</u>	<u>✓</u>
	<u>C.2-1</u>	<u>00:25</u>	<u>7.16</u>	<u>11.34</u>	<u>2739</u>	<u>221</u>	<u>0.0</u>	<u>-</u>	<u>2573 ± 22</u>	<u>2670 ± 8</u>	<u>✓</u>

Spot on wrong grain! ⇒ ignore data sorry

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?

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?
	C2.9-4	00:43	6.88	10.92	1188	563.8	1.6	0.058	563 ± 4	581 ± 39	✓
	C.4-1	01:08	7.16	9520	1061	100.8	7.3	0.275	2589 ± 41	2649 ± 15	✓
	C.5-1	01:28	6.27 6.27	11.02	911	88.4	3.6	0.15	267 ± 34	2639 ± 15	✓
	C2.9-5	02:24	7.19	8,081	999	586.3	1.9	0.065	580 ± 6	506 ± 50	✓
	C2.9-6	02:44	6.97	8,460	964	585.1	2.8	0.1	558 ± 6	556 ± 33	✓
	C.6-1	03:02	6.96	8387	664	74	-	-	2607 ± 46	2674 ± 14	✓
	C.7-1	03:20	7.64	7879	1073	115.4	1.2	0.038	2680 ± 40	2649 ± 12	✓
	C.6-2	03:40	6.55	9333	683	71.3	2.4	0.12	2689 ± 43	2635 ± 19	✓
	C7.6-1	03:59	6.89	9,279	1038	568.7	-	-	572 ± 5	582 ± 24	✓
	C.11-1	04:20	7.39	8302	948	97.6	4.6	0.173	2624 ± 47	2645 ± 17	✓
	C.12-1	04:39	7.43	8,427	2742	308.3	9.7	0.13	2394 ± 23	2489 ± 10	✓
	C.13-2	04:58	6.59	9,685	646	64.3	0.3	0.017	2699 ± 48	2688 ± 14	✓
	C7.6-2	05:16	6.91	9,223	1063	581.9	5.1	0.177	574 ± 8	528 ± 44	✓
	C.20-1	05:38	6.86	9,807	1941	186.5	0.8	0.016	2631 ± 30	2646 ± 11	✓
	C7.6-3	05:56	6.86	9,640	1087	576.4	0.7	0.026	573 ± 8	612 ± 30	✓
	b.6-1	06:18	7.55	8,088	6433	1080.5	13.4	0.075	1729 ± 10	1915 ± 7	✓
	b.7-3	06:36	7.08	11,071	5424	686.7	9.5	0.084	1728 ± 12	2099 ± 8	✓
	b.8-3	06:57	7.04	11.01	4740	621.3	9.7	0.092	1779 ± 10	2314 ± 7	✓
	C2.6-4	07:13	6.81	9.62	1049	583.1	1.4	0.05	554 ± 5	546 ± 39	✓
	b.9-1	07:34	6.65	9.99	973	100	11.0	0.425	2531 ± 38	2654 ± 18	✓
	C.5-2	07:55	6.95	8.21	1287	141.6	4.8	0.121	2681 ± 40	2642 ± 12	✓
	C.5-3	08:13	7.37	7.871	921.7	97.9	4.2	0.155	2680 ± 41	2658 ± 16	✓
	C2.65	08:30	7.09	8.7	1036	587	3.1	.11	568	-	✓

lost 10 (Ave) for w/hour!