

### UWA SHRIMP DATA LOG

Date: 22/7/03      UWA Mount No.: C43, C37      Whose sample?: NV      Operator(s): MB.

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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    10/20\*    30/10\*    10    5    5    2  
**Phanerozoic\***    Delay time (secs):    8    3    1    2    1    1    3    2    2

Steel: Wein volts / nA = ..... 16 ..... for O<sup>-</sup>; = ..... 3.5 ..... for O<sub>2</sub><sup>-</sup>; = ..... 5.1 ..... for NO<sup>-</sup>

dead-time = ..... 2.4 ..... nanosecs      expected resolution = >4200      actual resolution = ..... 4980 .....

aperture = ..... 50 blown ..... 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 = .....    204-bkg = 0.045    204-206 = 2.000 ± ?  
 206-207 = 1.000    206-208 = 2.000

Primary-epoxy = ..... 1.8 ..... nA    Primary-CZ3 = ..... 2.4 ..... nA    PESABM-CZ3 = ..... 29. ..... pA

Raster time (mins): ..... 2 .....    Raster aperture (microns): ..... 80 .....    No. of scans: ..... 6 .....

Comments:

Day aborted due to unstable I° + decaying signal.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	<u>C2.1-1</u>	<u>11:43</u>	<u>6.77</u>	<u>11</u>	<u>980</u>	<u>238</u>	<u>(-)</u>	<u>(-)</u>	<u>572 ± 5</u>	<u>603 ± 23</u>	✓
	<u>B.11-1</u>	<u>12:21</u>	<u>7.03</u>	<u>11</u>	<u>8200</u>	<u>130</u>	<u>30.4</u>	<u>0.83</u>	<u>2700 ± 45</u>	<u>2650 ± 11</u>	✓
	<u>B.12-1</u>	<u>12:50</u>	<u>7.45</u>	<u>11</u>	<u>12000</u>	<u>389.</u>	<u>13.9</u>	<u>0.127</u>	<u>2719 ± 13</u>	<u>2458 ± 15</u>	✓
	<u>C23.1-2</u>	<u>13:14</u>	<u>6.90</u>	<u>12</u>	<u>1200</u>	<u>240</u>	<u>1.0</u>	<u>0.081</u>	<u>601 ± 30</u>	<u>487 ± 32</u>	✓
	<u>C23.1-3</u>	<u>13:41</u>	<u>6.67</u>	<u>12</u>	<u>1100</u>	<u>243</u>	<u>0.9</u>	<u>0.07</u>	<u>598 ± 22</u>	<u>566 ± 31</u>	✓
	<u>B.13-1</u>	<u>14:03</u>	<u>6.94</u>	<u>13</u>	<u>5900</u>	<u>210</u>	<u>12.2</u>	<u>0.21</u>	<u>2697 ± 122</u>	<u>2543 ± 36</u>	✓
	<u>B.14-1</u>	<u>14:27</u>	<u>6.96</u>	<u>13</u>	<u>3600</u>	<u>127</u>	<u>1.9</u>	<u>0.053</u>	<u>2713 ± 76</u>	<u>2679 ± 6</u>	✓
	<u>C23.1-4</u>	<u>14:59</u>	<u>6.18</u>	<u>12</u>	<u>1000</u>	<u>225</u>	<u>(-)</u>	<u>(-)</u>	<u>648 ± 5</u>	<u>534 ± 31</u>	✓

Adjust gas pressure slightly due to shift wait 5 mins.  
 Primary more stable but lost a little intensity

