

UWA SHRIMP DATA LOG

Date: 14/9/07 UWA Mount No.: B64 Whose sample?: Zone Operator(s): IF+NV

Indicate any change to the following: ¹⁹⁴196 204 bkg 206 207 ²⁰⁹208 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 = 32 nanosecs expected resolution = >4200 actual resolution = 4530
 aperture = 3.0 microns retardation lens = 9997 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 = 10.168 204-bkg = 0.045 204-206 = 2.000
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 0.2 nA Primary-CZ3 = nA PESABM-CZ3 = pA
 Raster time (mins): 2 Raster aperture (microns): 40 No. of scans: 6

Comments: follows monazite etc on 18-13

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	¹⁹⁴ 196 Kcps	206 cps	UO ppm ¹⁹⁴ cps	204Pb ppb cps	f₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	<u>x1c12-1</u>	<u>16:25</u>		<u>12.56</u>	<u>20.8</u>	<u>22388</u>	<u>41.7</u>	<u>0.1</u>	<u>6.741</u> <u>0.179</u>	<u>✓</u>
<u>✓</u>	<u>B64x4-1</u>	<u>16:50</u>		<u>13.31</u>	<u>17.9</u>	<u>7160</u>	<u>27.8</u>	<u>0.3</u>	<u>3.427</u> <u>0.117</u>	<u>✓</u>
<u>✓</u>	<u>B64x5-1</u>	<u>17:20</u>		<u>12.99</u>	<u>21.9</u>	<u>4433</u>	<u>14.7</u>	<u>0.5</u>	<u>3.921</u> <u>0.115</u>	<u>✓</u>
<u>✓</u>	<u>B64x15-1</u>	<u>17:45</u>		<u>12.84</u>	<u>21.2</u>	<u>4049</u>	<u>15.9</u>	<u>0.4</u>	<u>3.267</u> <u>0.121</u>	<u>✓</u>
	<u>x1c12-2</u>	<u>18:05</u>		<u>12.19</u>	<u>21.1</u>	<u>23733</u>	<u>43664</u>	<u>0.6</u>	<u>6.627</u> <u>0.178</u>	<u>✓</u>
<u>✓</u>	<u>B64x15-2</u>	<u>18:26</u>		<u>13.49</u>	<u>18.0</u>	<u>8274</u>	<u>36.0</u>	<u>0.6</u>	<u>3.101</u> <u>0.115</u>	<u>✓</u>
<u>✓</u>	<u>B64x1-2</u>	<u>18:55</u>		<u>13.06</u>	<u>21.8</u>	<u>5361</u>	<u>15.5</u>	<u>0.4</u>	<u>4.522</u> <u>0.124</u>	<u>✓</u>
<u>✓</u>	<u>B64x4-2</u>	<u>19:17</u>		<u>12.57</u>	<u>19.6</u>	<u>6229</u>	<u>22.1</u>	<u>0.9</u>	<u>3.543</u> <u>0.121</u>	<u>✓</u>

X152 →