

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 17/12-6-99 UWA Mount No. 99-21 Whose sample? Ontario Operator(s) huts

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

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = nanosecs

actual 196-204 = 8.170 actual 204-bkg = expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution =

Primary = 4.0 nA PESABM = pA actual Primary : PESABM (= 50:1) =

Raster time (mins): 1:30 Raster aperture (microns): 120 No. of scans: 6

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	<u>sl.4-1</u>	<u>00:15</u>	<u>6.59</u>	<u>20.3</u>	<u>2171</u>	<u>193</u>	/	/	<u>591 ± 1</u> <u>556 ± 16</u>	<u>OK</u>
	<u>sl.4-2</u>	<u>00:33</u>	<u>6.68</u>	<u>19.7</u>	<u>2067</u>	<u>186</u>	/	/	<u>580 ± 1</u> <u>587 ± 16</u>	<u>OK</u>
	<u>A.1-1</u>	<u>00:53</u>	<u>6.44</u>	<u>18.8</u>	<u>1201</u>	<u>35</u>	<u>2.1</u>	<u>0.90</u>	<u>187 ± 8</u> <u>187 ± 28</u>	<u>OK</u>
	<u>A.6-1</u>	<u>1:24</u>	<u>6.95</u>	<u>18.2</u>	<u>615</u>	<u>16</u>	<u>3.3</u>	<u>0.00</u>	<u>187 ± 11</u> <u>183 ± 45</u>	<u>OK</u>
	<u>sl.4-3</u>	<u>1:44</u>	<u>6.82</u>	<u>19.6</u>	<u>2030</u>	<u>174</u>	<u>0.7</u>	<u>0.08</u>	<u>577 ± 1</u> <u>552 ± 23</u>	<u>OK</u>
	<u>A.4-1</u>	<u>2:15</u>	<u>6.79</u>	<u>19.3</u>	<u>1378</u>	<u>32</u>	<u>0.6</u>	<u>0.08</u>	<u>1557 ± 8</u> <u>1866 ± 17</u>	<u>OK</u>
	<u>A.7-1</u>	<u>2:38</u>	<u>6.56</u>	<u>18.9</u>	<u>980</u>	<u>27</u>	<u>2.1</u>	<u>3.5</u>	<u>1809 ± 9</u> <u>2064 ± 41</u>	<u>OK</u>
	<u>A.8-1</u>	<u>2:52</u>	<u>6.51</u>	<u>18.7</u>	<u>1409</u>	<u>102</u>	<u>0.4</u>	<u>0.05</u>	<u>811 ± 2</u> <u>870 ± 31</u>	<u>OK</u>
	<u>B.11-1</u>	<u>3:15</u>	<u>6.43</u>	<u>19.5</u>	<u>1827</u>	<u>53</u>	<u>1.4</u>	<u>0.12</u>	<u>1832 ± 6</u> <u>1793 ± 13</u>	<u>OK</u>
	<u>sl.4-4</u>	<u>3:33</u>	<u>6.48</u>	<u>20.7</u>	<u>2076</u>	<u>188</u>	<u>0.1</u>	<u>0.01</u>	<u>585 ± 1</u> <u>577 ± 16</u>	<u>OK</u>
	<u>G.5-1</u>	<u>3:51</u>	<u>6.85</u>	<u>20.1</u>	<u>6025</u>	<u>67</u>	<u>0.0</u>	/	<u>3392 ± 9</u> <u>3346 ± 4</u>	<u>OK</u>

f₂₀₆ very high
ALIEN

