

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 25/1/99 UWA Mount No.: 98-46 Whose sample?: A650 Operator(s): JD/IRF

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

~~Precambrian~~ Count time (secs): 2 10 10 10/30* 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 = 32 nanosecs

actual 196-204 = 8.169 actual 204-bkg = 0.044 expected resolution = >4200

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

Primary = 1.7 nA PESABM = pA actual Primary : PESABM (≈ 50:1) =

Raster time (mins): 2.1 Raster aperture (microns): No. of scans: 6

Comments: follows 98-63

* 2 min raster ~~out~~ to 1 min.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>sl. 6-1</u>	<u>22:03</u>	<u>7.17</u>	<u>5915</u>	<u>702</u>	<u>220</u>	—	—	<u>572 ± 2</u>	<u>6.36 ± 26</u>	✓
	<u>sl. 6-2</u>	<u>22:21</u>	<u>7.14</u>	<u>5622</u>	<u>663</u>	<u>22.5</u>	<u>2.1</u>	<u>.18</u>	<u>563 ± 2</u>	<u>574 ± 45</u>	✓
*	<u>C. 1-1</u>	<u>22:43</u>	<u>7.09</u>	<u>5969</u>	<u>1247</u>	<u>74.1</u>	<u>16.9</u>	<u>.62</u>	<u>2606 ± 15</u>	<u>2674 ± 13</u>	✓
	C. 2-1	too high Pb	aborted								
	<u>C. 3-1</u>	<u>23:09</u>	<u>7.29</u>	<u>6044</u>	<u>1506</u>	<u>83.1</u>	<u>2.7</u>	<u>.09</u>	<u>2576 ± 14</u>	<u>2643 ± 9</u>	✓
	<u>C. 4-1</u>	<u>23:29</u>	<u>7.19</u>	<u>5773</u>	<u>1379</u>	<u>77.4</u>	<u>7.4</u>	<u>.25</u>	<u>2720 ± 15</u>	<u>2698 ± 10</u>	✓
	<u>sl. 5-1</u>	<u>23:49</u>	<u>7.16</u>	<u>5937</u>	<u>702</u>	<u>220</u>	—	—	<u>572 ± 2</u>	<u>597 ± 26</u>	✓
	<u>C. 6-1</u>	<u>00:09</u>	<u>7.21</u>	<u>5933</u>	<u>1214</u>	<u>72.5</u>	<u>21.8</u>	<u>.86</u>	<u>2503 ± 14</u>	<u>2546 ± 16</u>	✓
	<u>C. 8-1</u>	<u>00:30</u>	<u>7.30</u>	<u>5817</u>	<u>1287</u>	<u>69.4</u>	<u>3.4</u>	<u>.13</u>	<u>2699 ± 16</u>	<u>2654 ± 10</u>	✓
	<u>C. 9-1</u>	<u>00:49</u>	<u>7.26</u>	<u>5810</u>	<u>1153</u>	<u>64.3</u>	<u>20.0</u>	<u>.83</u>	<u>2646 ± 16</u>	<u>2651 ± 15</u>	✓
	<u>sl. 5-2</u>	<u>01:10</u>	<u>7.16</u>	<u>6000</u>	<u>724</u>	<u>219</u>	<u>0.2</u>	<u>.02</u>	<u>586 ± 2</u>	<u>588 ± 26</u>	✓

