

UWA SHRIMP DATA LOG

Date: 6/9/99 UWA Mount No.: 99-26 Whose sample?: YQ Operator(s): McN/AR

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

Steel: Wein volts / nA = 6.6/38V for O⁻; = 3.4/47V for O₂⁻; = 17.0/70V for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4765

aperture = ? microns retardation lens = 0V 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 = 8.170 204-bkg = 0.045 204-206 = ~2.006

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 3.0 nA Primary-CZ3 = 4.3 nA PESABM-CZ3 = 34 ~~36~~ pA

Raster time (mins): 2 Raster aperture (microns): 12.0 No. of scans: 6

Comments: ① tuned 2° to get more counts ⇒ 2nd Ext V = ↓ 5
Quad V = ↓ 10

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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	<u>sl.5-1</u>	<u>12:07</u>	<u>7.35</u>	<u>9.1</u>	<u>1270</u>	<u>220</u>	<u>-0.5</u>	<u>.02</u>	<u>572 ± 1</u>	<u>563 ± 25</u>	<u>✓</u>
	<u>sl.5-2</u>	<u>12:29</u>	<u>6.81</u>	<u>11.9</u>	<u>1365</u>	<u>246</u>	<u>0.1</u>	<u>/</u>	<u>527 ± 1</u>	<u>554 ± 23</u>	<u>✓</u>
	<u>sl.4-1</u>	<u>12:47</u>	<u>6.64</u>	<u>11.8</u>	<u>1351</u>	<u>262</u>	<u>2.5</u>	<u>.19</u>	<u>534 ± 1</u>	<u>474 ± 34</u>	<u>✓</u>
	<u>D.1-1</u>	<u>13:06</u>	<u>6.70</u>	<u>12.0</u>	<u>2973</u>	<u>155</u>	<u>0.9</u>	<u>.03</u>	<u>1731 ± 5</u>	<u>1856 ± 10</u>	<u>✓</u>
	<u>D.2-1</u>	<u>13:24</u>	<u>6.83</u>	<u>11.5</u>	<u>3477</u>	<u>179</u>	<u>0.4</u>	<u>.01</u>	<u>1722 ± 5</u>	<u>1861 ± 9</u>	<u>✓</u>
	<u>sl.9-3</u>	<u>13:43</u>	<u>6.77</u>	<u>12.0</u>	<u>1359</u>	<u>248</u>	<u>1.9</u>	<u>.16</u>	<u>526 ± 1</u>	<u>551 ± 41</u>	<u>✓</u>
	<u>D.3-1</u>	<u>14:01</u>	<u>6.79</u>	<u>11.8</u>	<u>3104</u>	<u>158</u>	<u>0.1</u>	<u>.00</u>	<u>1727</u>	<u>1860</u>	<u>✓</u>
	<u>D.4-1</u>	<u>14:21</u>	<u>6.49</u>	<u>10.8</u>	<u>2931</u>	<u>141</u>	<u>0.0</u>	<u>.00</u>	<u>2201</u>	<u>2384</u>	<u>✓</u>

