

UWA SHRIMP DATA LOG

Date: 2/10/99 UWA Mount No.: 99-55 Whose sample?: S. Garwin Operator(s): IF + AR

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

Precambrian Count time (secs): 2 10 10 ⁶⁰10/20* ²⁰30/10* 10 5 5 2
Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

(O⁻) Steel: Wein volts / nA = 6.4 for O⁻; = 1.2 for O₂⁻; = 1.8 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5090

aperture = 70 microns retardation lens = 10014 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 = 8.174 204-bkg = 0.044 204-206 = 2.000

206-207 = 1.000 206-208 = 2.000

(O₂⁻) Primary-epoxy = ~~1.2~~ 1.2 nA Primary-CZ3 = ~~1.4~~ 1.4 nA PESABM-CZ3 = 43 pA

Raster time (mins): 5 Raster aperture (microns): 120 No. of scans: 7

Sensitivity = 3

Comments: 70 um aperture
160⁻ 10
Retardation
206 centering off for unknowns.

4.30pm → moved onto mount uwa 99-16

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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<u>last 2 scans</u>	<u>CZ-1-1</u>	<u>10:59</u>	<u>5.44</u>	<u>29</u>	<u>2356</u>	<u>-</u>	<u>0.3</u>	<u>.03</u>	<u>-</u>	<u>676</u>	<u>✓</u>
	<u>CZ-5-1</u>	<u>11:27</u>	<u>5.86</u>	<u>28</u>	<u>2170</u>	<u>218</u>	<u>0.5</u>	<u>.04</u>	<u>5.81</u>	<u>576</u>	<u>✓</u>
	<u>B-15-1</u>	<u>11:57</u>	<u>5.61</u>	<u>28</u>	<u>1.5</u>	<u>18</u>	<u>0.7</u>		<u>5.7</u>	<u>-</u>	<u>✓</u>
	<u>B16-1</u>	<u>12:26</u>	<u>5.67</u>	<u>29</u>	<u>1.9</u>	<u>24</u>	<u>0.1</u>		<u>5.2</u>	<u>-</u>	<u>✓</u>
	<u>CZ-5-2</u>	<u>12:56</u>	<u>5.78</u>	<u>29</u>	<u>2363</u>	<u>236</u>	<u>0.1</u>	<u>.01</u>	<u>5.84</u>	<u>616</u>	<u>✓</u>
	<u>B17-1</u>	<u>13:29</u>	<u>5.65</u>	<u>29</u>	<u>3.6</u>	<u>45</u>	<u>-1ve</u>	<u>.04</u>	<u>5.1</u>	<u>-</u>	<u>✓</u>
	<u>B18-1</u>	<u>13:59</u>	<u>5.81</u>	<u>26</u>	<u>4.7</u>	<u>51</u>	<u>0.9</u>	<u>4.2</u>	<u>6.0</u>	<u>-</u>	<u>✓</u>
	<u>CZ-5-3</u>	<u>14:31</u>	<u>5.66</u>	<u>31</u>	<u>2311</u>	<u>231</u>	<u>-1ve</u>	<u>.03</u>	<u>5.88</u>	<u>504</u>	<u>✓</u>

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	B10-1	15:01	5.49	26	9.6	162	0.6	3.6	4.6	-	✓
	B19-1	15:35	5.85	30	4.1	38	0.8	4.1	5.9	-	✓
	C25-4	16:04	5.65	27	2260	240	0.0	.00	623	522	✓
	B20-1	16:37	6.63	24	2.7	22	0.7	9.8	5.1	-	✓
	C25-5	17:08	5.64	26	2005	253	0.4	.03	570	543	✓

330 on 1° dropped to 6.5 NA
 12.9 scan
 12.4 scan
 ①

Test → 3 scan analysis IN

4.30pm ⇒ mount 99-16 A.T.B

① 1° up to 6.9 NA before analysis C25-5

1.75
175
21