

### UWA SHRIMP DATA LOG

Date: 14/10/00 UWA Mount No.: A-38 Whose sample?: AGSO Operator(s): Neal + MG

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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	<u>270</u>
<b>Precambrian</b>	Count time (secs):	2	10	10	10	30	10	5	5	2
<del>Phanerozoic</del>	Delay time (secs):	8	3	1	2	1	3	2	2	2

Steel: Wein volts / nA = -100V/3.8 for O<sup>-</sup>; = -68V/2.4 for O<sub>2</sub><sup>-</sup>; = -55V/6.7 for NO<sup>-</sup>

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4990

aperture = 100 microns retardation lens = 0 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 = 8.1675 204-bkg = 0.045 204-206 = 1.996 - 1.998

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.1 nA Primary-CZ3 = 2.9 nA PESABM-CZ3 = 36 pA

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: 38A = 2R from 9796 7069B → have Int data; need 2R data

↓  
2608 ± 10

↓  
A-38A

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>sl.6-1</u>	<u>9:29</u>	<u>6.35</u>	<u>11.1</u>	<u>1118</u>	<u>220</u>	<u>0.6</u>	<u>-06</u>	<u>572 ± 1</u>	<u>528 ± 42</u>	✓
	<u>sl.6-2</u>	<u>9:49</u>	<u>6.45</u>	<u>11.1</u>	<u>1181</u>	<u>216</u>	<u>1.2</u>	<u>.10</u>	<u>587 ± 1</u>	<u>664 ± 36</u>	✓
	<u>A.1-1</u>	<u>10:09</u>	<u>6.27</u>	<u>13.5</u>	<u>3024</u>	<u>251</u>	<u>1.6</u>	<u>.05</u>	<u>1116 ± 2</u>	<u>1538 ± 11</u>	✓
	<u>A.4-1</u>	<u>10:30</u>	<u>6.25</u>	<u>13.7</u>	<u>2554</u>	<u>223</u>	<u>2.0</u>	<u>.08</u>	<u>1057 ± 2</u>	<u>1479 ± 13</u>	✓
	<u>sl.6-3</u>	<u>10:48</u>	<u>6.51</u>	<u>10.9</u>	<u>1127</u>	<u>211</u>	<u>-0.8</u>	<u>/</u>	<u>570 ± 1</u>	<u>592 ± 22</u>	✓
	<u>A.7-1</u>	<u>11:08</u>	<u>7.40</u>	<u>10.1</u>	<u>7.7K</u>	<u>361</u>	<u>5.2</u>	<u>-08</u>	<u>1558 ± 2</u>	<u>1882 ± 6</u>	✓
	<u>A.8-1</u>	<u>11:27</u>	<u>6.62</u>	<u>11.2</u>	<u>6.5K</u>	<u>307</u>	<u>4.8</u>	<u>-07</u>	<u>1892 ± 3</u>	<u>2039 ± 6</u>	✓
	<u>A.6-1</u>	<u>11:45</u>	<u>6.71</u>	<u>10.9</u>	<u>5.2K</u>	<u>163</u>	<u>2.6</u>	<u>.04</u>	<u>2629 ± 7</u>	<u>2704 ± 5</u>	✓

stepped up  
1/3 way through analysis?  
tho ~ 1/2 way through →

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	sl.6-4	12:04	6.48	10.5	1095	214	0.9	.08	573 ± 1	564 ± 32	✓
	A.9-1	12:24	6.86	10.5	5.3K	185	2.2	.04	2342 ± 6	2594 ± 5	✓
	A.12-1	12:44	6.32	12.2	3.3K	225	3.1	.08	1433 ± 3	1924 ± 9	✓
	A.20-1	13:07	6.55	11.5	5.6K	182	1.0	.01	2592 ± 6	2637 ± 5	✓
	A.14-1	13:28	6.75	11.2	4.9K	214	2.2	.04	1891 ± 4	2274 ± 6	✓
	sl.6-5	13:48	6.52	11.2	1210	216	1.0	.09	579 ± 1	565 ± 32	✓
	A.18-1	14:10	6.97	9.97	6403	316	3.6	.05	1757 ± 3	2634 ± 6	✓
	A.21-1	14:30									
	A.25-1	14:55	6.82	11.2	7.3K	322	18.5	.26	1856 ± 3	2062 ± 7	✓
	A.26-1	15:20	6.71	10.7	6.8K	205	0.6	.01	2750 ± 6	2727 ± 4	✓
	sl.6-6	15:41	6.42	11.1	1112	213	0.9	.08	571 ± 1	570 ± 34	✓
	A.27-1	16:00	6.47	13.1	4.4K	305	11.8	.29	1224 ± 2	1629 ± 11	✓
	A.28-1	16:19	6.86	10.5	6.9K	328	1.8	.03	1797 ± 4	2039 ± 6	✓
	sl.6-7	17:35	6.16	14.2	1419				597	597 ± 19	X <sup>206</sup> <sub>207</sub> off

Printer Malfunction  
Did not print page 2.  
Reset Printer → High 204

Errors  
Arc dropped out  
Restarted →  
Arc with increased pressure.