

UWA SHRIMP DATA LOG

Date 30/11/00 UWA Mount No. 94-~~11~~24 Whose sample? McN Operator(s) McN + MA

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
~~Planer 2000~~ Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 96V/26.0 for O⁻; = 68V/7.0 for O₂⁻; = 56V/11.0 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4875

aperture = 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 = 8.167 204-bkg = 0.045 204-206 = 2.001

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 5.8 nA Primary-CZ3 = 8.9 nA PESABM-CZ3 = 120 pA

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

Comments: A = 558
B = 785

** Failed to centre a 206, U+Th!*
206-207 offset was 3 mmv out → fixed!

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>sl. 1-1</u>	<u>10:27</u>		<u>649.402</u>	<u>3753</u>	<u>220</u>	<u>0.9</u>	<u>.03</u>	<u>572 ± 1</u>	<u>544 ± 16</u>	<u>✓</u>
	<u>sl. 1-2</u>	<u>10:47</u>		<u>639.414</u>	<u>3729</u>	<u>226</u>	<u>1.8</u>	<u>.15</u>	<u>564 ± 1</u>	<u>513 ± 19</u>	<u>✓</u>
	<u>B. 8-2</u>	<u>11:11</u>		<u>593.437</u>	<u>101</u>	<u>1.2</u>	<u>1.5</u>	<u>3.15</u>	<u>2791 ± 58</u>	<u>2469 ± 127</u>	<u>✓</u>
	<u>B. 8-3</u>	<u>→</u>	<u>very low U cts *</u>								
	<u>B. 8-4</u>	<u>11:38</u>		<u>582.415</u>	<u>1517</u>	<u>229</u>	<u>0.6</u>	<u>.07</u>	<u>2604 ± 12</u>	<u>2601 ± 11</u>	<u>✓ #</u>
	<u>sl. 1-3</u>	<u>11:50</u>		<u>629.452</u>	<u>3877</u>	<u>226</u>	<u>1.0</u>	<u>.03</u>	<u>563 ± 1</u>	<u>559 ± 17</u>	<u>✓</u>
	<u>B. 7-2</u>	<u>→</u>	<u>very low U cts *</u>								
	<u>B. 7-3</u>	<u>12:25</u>		<u>613.470</u>	<u>1068</u>	<u>11.3</u>	<u>0.8</u>	<u>.19</u>	<u>2731 ± 15</u>	<u>2593 ± 14</u>	<u>✓</u>

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	B.7-4	12:46	6.20	43.2	476	5.2	1.9	.94	2764 ± 24	2538 ± 28	✓
x low U - no good	B.11-1	13:10	5.56	44.6	22	0.4	1.2	10	2003 ± 134	1900 ± 147	✓
	B.1-4	13:50	6.48	46.0	4133	219	1.0	109	561 ± 51	522 ± 4	✓
	B.11-2	13:54	5.95	43.8	425	5.4	0.4	.19	2677 ± 23	2641 ± 23	✓
	B.13-2	14:17	5.59	44.3	73	1.3	1.3	3.2	2432 ± 59	2461 ± 176	✓
	B.14-3	→	V. low U counts *								
	B.1-2	15:07	5.65	54.3	69	1.1	0.8	2.7	2169 ± 47	2126 ± 174	✓
	B.1-5	15:27	6.26	47.9	4173	227	0.7	0.2	579 ± 51	581 ± 16	✓
High 204 low U	B.16-2	15:53	5.74	48.1	133	1.1	26.6	44%	2393 ± 119	1919 ± 1000	✓
	B.16-3	16:14	6.21	45.6	1260	13.4	0.8	115	2675 ± 14	2593 ± 12	✓
	B.2-2	16:38	5.37	56.8	35	0.5	1.4	7.7	2658 ± 116	2237 ± 510	✓
	B.12-1	17:00	6.28	46.6	41	226	1.8	15	580 ± 51	499 ± 18	✓
	A.13-1	17:23	6.23	46.9	381	3.8	0.8	.57	2705 ± 25	2526 ± 36	✓