

UWA SHRIMP DATA LOG

Date: 25/05/00 UWA Mount No.: 99-73 + 99-70 Whose sample?: BK 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
~~Phanerozoic*~~ Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 66V/9.6 for O⁻; = 44V/2.3 for O₂⁻; = 36V/1.8 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5595

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 = 8.170 204-bkg = 0.045 204-206 = ~1.998

206-207 = 1.000 206-208 = 1.999

Primary-epoxy = 1.7 nA Primary-CZ3 = 2.3 nA PESABM-CZ3 = 34 pA

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

Comments: 99-73B = granitoid (>2780 Ma)
99-70A = Sed? same run table ~ 2635 Ma

NB: 99-70A alot of grains "plucked" from mount !!!

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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	<u>S1.8-1</u>	<u>12:48</u>	<u>7.55</u>	<u>11.4</u>	<u>1455</u>	<u>220</u>	<u>0.8</u>	<u>.07</u>	<u>572 ± 1</u>	<u>540 ± 27</u>	✓
<u>SWITCHED TO OTHER MOUNT</u>											
	<u>S1.3-1</u>	<u>13:10</u>	<u>7.65</u>	<u>11.5</u>	<u>1484</u>	<u>212</u>	<u>4.9</u>	<u>.43</u>	<u>577 ± 1</u>	<u>525 ± 36</u>	✓
	<u>B.1-1</u>	<u>13:31</u>	<u>7.61</u>	<u>10.7</u>	<u>4442</u>	<u>115</u>	<u>1.9</u>	<u>.04</u>	<u>2885 ± 9</u>	<u>2947 ± 5</u>	✓ euh. Sub-r
	<u>B.2-1</u>	<u>13:50</u>	<u>7.59</u>	<u>10.6</u>	<u>2836</u>	<u>71</u>	<u>-ve</u>	<u>-</u>	<u>2993 ± 12</u>	<u>3108 ± 6</u>	✓
	<u>S1.3-2</u>	<u>14:09</u>	<u>7.40</u>	<u>11.1</u>	<u>1392</u>	<u>226</u>	<u>1.5</u>	<u>.01</u>	<u>575 ± 1</u>	<u>545 ± 21</u>	✓
	<u>B.3-1</u>	<u>14:31</u>	<u>7.42</u>	<u>10.7</u>	<u>612</u>	<u>60</u>	<u>2.1</u>	<u>.37</u>	<u>956 ± 4</u>	<u>972 ± 58</u>	✓
	<u>B.4-1</u>	<u>14:55</u>	<u>7.62</u>	<u>10.6</u>	<u>999</u>	<u>24</u>	<u>-ve</u>	<u>-</u>	<u>3049 ± 20</u>	<u>3067 ± 10</u>	✓

99-70 ↑
99-73 ↓

1° = 2 nA. v. stable
 2° = 2 nA. v. stable

Mount/sample No: 99-73

Date: 25/5/00

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
											new cali- shitty like?
	sl.3-3	15:16	7.43	10.5	1243	225	0.1	.008	543 ± 1	548 ± 22	✓
	B.5-1	15:35	7.61	10.0	3802	97	2.5	.05	3094 ± 11	3079 ± 5	✓
	sl.3-4	15:56	7.54	10.5	1321	228	-ve	-	548 ± 1	638 ± 21	✓
	B.6-1	16:18	8.02	9.5	1164	27	1.1	.08	3067 ± 9	3105 ± 10	✓
	B.7-1	16:42	7.86	9.6	725	17	3.0	.35	3226 ± 26	3173 ± 13	✓
	sl.3-5	17:01	7.34	10.2	1271	233	-ve	-	569 ± 1	467 ± 21	✓
	B.8-1	17:21	7.73	9.4	3501	95	0.2	.005	2985 ± 11	3093 ± 6	✓
	B.9-1	17:52	7.94	9.2	3112	73	0.0	.001	3222 ± 4	3217 ± 4	✓
	B.10-1	18:13	7.45	9.3	5749	176	5.3	.07	2954 ± 8	2940 ± 5	✓
	sl.2-1	18:33	7.34	9.9	1169	225	1.6	.06	559 ± 1	523 ± 23	✓
	B.11-1	19:00	7.78	9.0	2911	77	4.3	.12	3096 ± 12	3067 ± 6	✓
	B.12-1	19:24	7.15	9.7	3218	102	2.9	.06	3069 ± 11	3003 ± 6	✓
	B.13-1	19:42	7.85	9.8	1678	39	4.7	.24	3170 ± 17	3176 ± 8	✓
	B.14-1	20:17	7.74	9.5	3994	107	3.4	.07	2973 ± 10	3042 ± 5	✓
	B.15-1	20:37	7.96	9.5	7179	182	12.5	.16	2938 ± 7	2935 ± 4	✓
	sl.2-2	20:56	7.65	9.8	1297	219	0.6	.03	576 ± 1	565 ± 22	✓
	B.16-1	21:21	7.91	9.2	765	20	1.5	.16	3021 ± 23	3096 ± 12	✓
	B.17-1	21:40	7.71	9.6	6117	167	5.2	.07	2919 ± 8	2902 ± 5	✓
	B.18-1	22:00	7.46	10.2	5228	125	1.9	.03	3327 ± 10	3395 ± 4	✓
	B.19-1	22:21	7.74	9.8	2455	64	2.4	.09	2967 ± 12	2951 ± 7	✓
	B.20-1	22:51	7.68	9.6	9077	253	8.5	.08	2912 ± 6	2784 ± 4	✓
	sl.2-3	23:09	7.67	9.2	1207	218	-ve	.06	565 ± 1	587 ± 22	✓
	sl.8-2	23:31	7.84	8.8	1195	215	1.3	.05	564 ± 1	590 ± 22	✓
	A.10-1	23:57	7.45	9.1	982	59	2.4	.20	1706 ± 8	1786 ± 20	✓
	A.11-1	24:23	8.11	8.6	764	51	1.1	.15	1324 ± 6	1371 ± 26	✓

99-73
99-70

1°=1.8

Rejection over-ride Sample/Std ID Time - printout UO/U 196 Kcps 206 cps U ppm ²⁰⁴Pb ppb f₂₀₆ % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

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?
	A.12-1	24:41	7.90	8.2	1038	36	1.3	.10	2610 ± 16	2649 ± 12	✓ Yes
	A.13-1	01:02	7.52	8.8	1252	43	18.1	1.07	2738 ± 16	2708 ± 16	✓
	sl. 6-1	01:27	7.50	8.8	1122	233	1.5	-.09	561 ± 1	594 ± 23	✓
	A.14-1	01:50	7.75	8.5	371	37	1.5	.38	1040 ± 6	1030 ± 70	✓
	A.15-1	02:19	7.51	8.8	1013	36	2.4	.18	2680 ± 16	2623 ± 13	✓ Yes
	A.16-1	02:38	7.90	8.0	1435	129	2.1	.14	1170 ± 4	1123 ± 20	✓
	A.17-1	03:01	4.39 ↓	5.1 ↓	73 ↓	113	-ve	-	929 ± 7	1370 ± 65	✓
	sl. 6-2	03:20	7.64	8.0	1074	230	2.6	-.16	556 ± 1	595 ± 24	✓
	A.18-1	03:41	7.50	8.3	1488	150	1.6	.09	1152 ± 3	1194 ± 18	✓
	A.19-1	04:03	7.71	7.9	1228	107	1.5	.10	1281 ± 4	1354 ± 15	✓
	A.20-1	04:22	7.79	7.5	1030	72	1.6	.13	1600 ± 7	1635 ± 21	✓
	A.21-1	04:41	7.15	8.7	1258	54	1.0	.05	2617 ± 14	2794 ± 10	✓
	A.22-1	05:03	7.68	8.1	1274	44	4.1	.23	2792 ± 16	2745 ± 11	✓
	sl. 4-1	05:25	7.81	7.6	1093	225	0.7	-.07	576 ± 1	617 ± 23	✓
	A.23-1	05:44	7.69	8.0	1568	758	1.5	.07	2668 ± 13	2625 ± 10	✓ Yes
	A.24-1	06:03	8.29	7.4	458	15	3.4	.62	2618 ± 25	2606 ± 24	✓ Yes
	A.25-1	06:21	7.57	7.9	996	92	0.8	.07	1268 ± 5	1239 ± 23	✓
	A.24-2	06:40	8.03	7.5	1213	41	1.7	.11	2753 ± 16	2618 ± 12	✓ Yes
	A.26-1	07:01	5.87 ↓	7.0 ↓	510	61	-ve	-	2225 ± 15	2639 ± 16	✓ Yes discrd.
	sl. 3-1	07:19	7.82	7.6	1000	221	1.7	-.08	589 ± 1	535 ± 24	✓
	A.27-1	07:44	6.61	7.3	474	33	3.6	-.33	2470 ± 20	2666 ± 20	✓ Yes discrd.
	A.28-1	08:03	8.29	7.3	1918	63	0.8	.04	2724 ± 13	2642 ± 5	✓ Yes.
	A.29-1	08:23	7.83	7.4	530	51	1.1	.18	1208 ± 6	1127 ± 42	✓
	A.30-1	08:42	7.96	7.2	960	35	1.8	-.13	2730 ± 18	2631 ± 14	✓ Yes!

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