

UWA SHRIMP DATA LOG

Date: 27/5/01 UWA Mount No.: B-10 Whose sample?: SG-NK Operator(s): McN + MG + NK

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: Wein² volts / nA = 82V/13.5 for O⁻; = 55V/2.25 for O₂⁻; = 64V/4.4 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4980

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 = 2.000
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.1 nA Primary-CZ3 = 2.7 nA PESABM-CZ3 = 36 pA

Raster time (mins): 2.0 Raster aperture (microns): 70 No. of scans: 6

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	<u>S/2-1</u>	<u>---</u>			<u>no printout</u>						✓
	<u>S/2-2</u>	<u>---</u>			<u>"</u>						✓
	<u>A.1-1</u>	<u>12:10</u>	<u>7.68</u>	<u>12.0</u>	<u>2100</u>	<u>499</u>	<u>1.8</u>	<u>1.06</u>	<u>39.4 ± 1.3</u>	<u>301 ± 239</u>	✓
	<u>S/2-3</u>	<u>12:30</u>	<u>7.29</u>	<u>12.0</u>	<u>1500</u>	<u>246</u>	<u>1.7</u>	<u>1.39</u>	<u>555.93</u>	<u>597 ± 32</u>	✓
<u>UB10</u>	<u>A.1-2</u>	<u>13:09</u>	<u>7.20</u>	<u>13.0</u>	<u>3600</u>	<u>89.4</u>	<u>0.2</u>	<u>7.58</u>	<u>37 ± 0.8</u>	<u>216 ± 157</u>	✓
	<u>A.1-3</u>	<u>13:28</u>	<u>6.95</u>	<u>13.0</u>	<u>4000</u>	<u>1030.7</u>	<u>0.8</u>	<u>2.45</u>	<u>37 ± 0.3</u>	<u>85 ± 589</u>	✓
	<u>A.2-1</u>	<u>13:48</u>	<u>7.08</u>	<u>13.0</u>	<u>2600</u>	<u>505.4</u>	<u>-0.5</u>	<u>-2.87</u>	<u>38 ± 1.0</u>	<u>149.8 ± 76</u>	✓
	<u>A.4-1</u>	<u>14:06</u>	<u>7.28</u>	<u>12.0</u>	<u>9400</u>	<u>244</u>	<u>1.9</u>	<u>23.61</u>	<u>38 ± 0.4</u>	<u>137 ± 100</u>	✓

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?
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	A.10-1	14:29	7.31	1200	1000	127	-1.1	-13.03	77 ±1.2	3744 ±45	✓
	A.12-1	14:52	7.03	9700	7500	144.6	-0.1	-1.51	66 ±1.1	4258 ±34	✓
?	STD S12-4	15:27	6.65	1400	9900	226	1.2	15.0	42 ±0.6	2450 ±129	✓
	A15-1	15:58	7.38	1200	1100	235.8	0.6	6.45	46.9 ±1.0	4359 ±29	✓
STD	S13-1	16:19	7.20	11	8600	242	-0.1	-1.67	40 ±0.5	2436 ±48	✓
	A3-1	16:19				242.0	-0.1	-1.67			
	A3-1	16:37	6.56	14	1100	367.7	2.2	24.14	29.4 ±1.0	4141 ±43	✓
	S14-1	16:57	7.07	13	9600	230.2	-0.2	-2.36	40 ±1.2	2398 ±81	✓
	S14-2	17:28	7.17	12	1400	239.2	-0.4	-0.34	563.5 ±12.7	553.6 ±42.7	✓
	A13-1	17:49	6.78	12	3700	113	0.3	0.81	36 ±1.4	0.0?	✓
	A11-1	18:09	7.56	12	4400	125.4	1.1	31.3	34 ±0.6	455 ±152	✓
	AG-1	18:28	6.63	13	6200	162.2	2.6	49.4	38 ±0.5	754 ±116	✓
	A21-1 S14-2	18:47	5.79	14	7600	253.2	-0.2	-2.47	32 ±0.5	265 ±107	✓
	S14-3	19:06	7.12	13	1500	238.8	0.7	0.059	571 ±3.5	556 ±22	✓
	A8-1	19:25	6.99	13	3900	99.5	0.3	1.08	37 ±0.7	339 ±142	✓
	A22-1	19:44	7.61	11	8100	232.3	0.8	11.14	36 ±0.5	226 ±103	✓
	S14-4	20:04	7.07	12	1400	236.5	0.3	0.23	570.6 ±3.8	520.5 ±22.8	✓
	A23-1	20:23	7.07	13	7900	193.4	1.6	26.2	38.8 ±0.5	0.0?	✓
	B 2-1	20:46	7.07	12	6800	175.4	-0.1	-0.02	3141 ±57.6	3145 ±19.9	✓
	B.11-1	21:02	7.07	13	1900	54	1.6	0.10	2802 ±31	2899 ±10	✓
	S14-5	21:41	7.07	13	1500	235	0.5	0.05	568 ±5	560 ±36	✓
	B.04-1	21:58	7.07	14	1600	40	0.2	0.02	2952 ±37	2971 ±10	✓
	B.13-1	22:16	7.07	12	410	12	-ve	-	2929 ±102	2984 ±18	✓
	B.14-1	22:33	7.07	12	6300	158	2.8	0.05	3093 ±25	3157 ±8	✓
	B.15-1	22:52	7.07	11	1000	55	-ve	-	2845 ±45	2975 ±15	✓

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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)		Offsets OK?
									206/238	207/206	
sl.4-6	sl.4-6	23:11	7.07	13	1300	224	-ve	-	567 ±5	546 ±32	✓
B.16-1	B.16-1	23:30	7.07	13	2800	72	0.2	.01	3053 ±43	2942 ±21	✓
	B.17-1	23:47	7.07	13	2600	67	1.6	.08	2920 ±30	3006 ±9	✓
	B.18-1	00:05	7.07?	12	2500	68	2.5	.12	2882 ±30	2953 ±10	✓
	B.19-1	00:22	7.07	13	1000	317	2.0	.03	2481 ±51	2734 ±12	✓
	sl.4-7	00:39	7.07	14	1400	234	1.4	.12	565 ±5	506 ±36	✓
	B.03-1	00:58	7.07 6.60	13	4400	137	13.9	.37	2652 ±21	2869 ±9	✓
	B.20-1	01:15	6.58	14	1500	39	1.9	.16	2929 ±47	2931 ±13	✓
	B.21-1	01:32	7.29	13	4500	114	6.5	.18	2992 ±30	3258 ±7	✓
	B.22-1	01:50	7.08	13	4800	126	0.4	.01	2899 ±21	2993 ±6	✓
	sl.4-8	02:08	6.85	14	1400	227	1.2	.11	566 ±5	539 ±37	✓
	B.23-1	02:25	7.15	14	5700	177	7.2	.17	2373 ±15	2693 ±7	✓
	B.24-1	02:43	6.97	13	1800	43	0.0	-	3157 ±39	3151 ±8	✓
	B.10-1	03:00	7.24	12	630	15	0.1	.01	3303 ±72	3238 ±14	✓
	B.25-1	03:17	6.73	14	1700	42	0.6	.05	2950 ±35	2992 ±10	✓
	sl.4-9	03:35	6.43	14	1300	227	1.2	.12	531 ±4	587 ±42	✓
	B.26-1	03:54	6.79	14	2800	70	-ve	-	3005 ±34	2989 ±7	✓
	B.27-1	04:11	7.46	12	1300	33	0.6	.06	2910 ±56	2931 ±12	✓
	B.28-1	04:29	6.42	16	2900	67	1.6	.07	3013 ±27	3160 ±7	✓
	B.29-1	04:48	6.54	14	3900	102	2.6	.08	2919 ±23	3014 ±7	✓
	sl.4-10	05:06	6.79	13	1300	230	-ve	-	560 ±4	588 ±22	✓
	B.30-1	05:23	6.83	14	4300	100	0.9	.03	3007 ±24	3067 ±7	✓
	B.31-1	05:42	6.82	14	3200	77	1.1	.04	3159 ±28	3182 ±8	✓
	B.32-1	06:02	7.63	10	1500	43	0	.00	3025 ±52	2983 ±22	✓

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on to mount B03