

UWA SHRIMP DATA LOG

Date: 2/6/01 UWA Mount No.: B-06 Whose sample?: Natalie Operator(s): IF+NIK

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 ^{196Mfo.}~~270~~

Precambrian Count time (secs): 2 10 10 10/20* 30/10* 10⁵ 5³ 5² 2 1

Phanerozoic* Delay time (secs): ~~8~~ 2 3 1 2 1 1 2 2 2 2

Resin
Steel: Wein volts / nA = 3/11 for O⁻; = 57/2.0 for O₂⁻; = 47/3.4 for NO⁻

dead-time = 3.2 nanosecs expected resolution = >4200 actual resolution = 4630

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 = 2.0 nA Primary-CZ3 = 2.8 nA PESABM-CZ3 = 36 pA

Raster time (mins): 2 Raster aperture (microns): 80 No. of scans: 6

Comments: ① changed e-m V 2700 → 2750.

2.4 -
2.9
Primary

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?
	<u>C2-23-1</u>										
<u>-</u>	<u>C2-23-2</u>	<u>10:51</u>	<u>7.069</u>	<u>1.3</u>	<u>1.5</u>	<u>249</u>	<u>0.9</u>	<u>.00072</u>	<u>584 ± 48</u>	<u>544 ± 32</u>	<u>✓</u>
	<u>B06-1-1</u>	<u>11:15</u>	<u>6.99</u>	<u>1.3</u>	<u>1.8</u>	<u>42.3</u>	<u>0.9</u>	<u>.00061</u>	<u>3113 ± 41</u>	<u>3088 ± 11</u>	<u>✓</u>
	<u>B06-2-1</u>	<u>11:31</u>	<u>6.99</u>	<u>1.3</u>	<u>7.1</u>	<u>16.6</u>	<u>0.3</u>	<u>.00060</u>	<u>3119 ± 72</u>	<u>3086 ± 15</u>	<u>✓</u>
	<u>B06-3-1</u>	<u>11:46</u>	<u>6.75</u>	<u>1.4</u>	<u>2.8</u>	<u>66.7</u>	<u>2.6</u>	<u>.00117</u>	<u>3092 ± 29</u>	<u>3083 ± 9.8</u>	<u>✓</u>
	<u>B06-4-1</u>	<u>12:02</u>	<u>7.05</u>	<u>1.3</u>	<u>3.0</u>	<u>69.6</u>	<u>-1.9</u>	<u>-.00078</u>	<u>3190 ± 34</u>	<u>3074 ± 7.3</u>	<u>✓</u>
<u>-</u>	<u>C23-23-3</u>	<u>12:18</u>	<u>6.98</u>	<u>1.3</u>	<u>1.5</u>	<u>241.4</u>	<u>-0.6</u>	<u>.00048</u>	<u>595 ± 6.8</u>	<u>538 ± 38.8</u>	<u>✓</u>
	<u>B06-5-1</u>	<u>12:34</u>	<u>7.04</u>	<u>1.3</u>	<u>5.6</u>	<u>137.2</u>	<u>0.7</u>	<u>.00016</u>	<u>3113 ± 23</u>	<u>3071 ± 5.1</u>	<u>✓</u>

①

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?
	B06.6-1	12.50	6.81	1.4	2.1	56	-0.6	0.00037	3173 ± 34	3070 ± 8.6	✓
	B06.7-1	13.06	7.04	1.3	3.3	78.5	0.1	0.00004	3156.2	3056.1	✓
	B06.8-1	13.23	6.91	1.3	1.0	25.2	0.7	0.00081	3104 ± 70	3065 ± 13	✓
	B06.9-1	13.39	7.21	1.2	4.7	123.7	1.2	0.00031	3020 ± 28	3064 ± 6.8	✓
	B06.10-1	13.54	7.22	1.2	2.4	57.9	0.2	0.00011	3103 ± 48	3059 ± 8.8	✓
	B06.11-1	14.11	7.27	1.2	3.2	79.7	-0.3	0.00013	3069 ± 28	3039 ± 6.4	✓
-	C23.23-4	14.27	7.18	1.2	1.5	234.2	0.4	0.00029	589 ± 5	575 ± 27	✓
	B06.12-1	14.47	6.96	1.3	2.2	55.1	1.3	0.00070	3171 ± 39	3086 ± 8.6	✓
	B06.13-1	15.02	7.07	1.3	4.5	111.2	0.2	0.00005	3074 ± 38	3070 ± 5.3	✓
	B06.14-1	15.18	7.37	1.3	1.7	39.1	0.3	0.00020	3086 ± 43	3070 ± 9.6	✓
-	C23.23-5	15.35	7.21	1.3	1.5	237.4	0.0	0.00003	576 ± 45	602 ± 37.9	✓
	B06.15-1	15.51	7.30	1.3	2.5	58.8	1.2	0.00064	3020 ± 41	3077 ± 8.5	✓
	B06.16-1	16.07	7.48	1.3	3.7	82	0.8	0.00028	3107 ± 27	3073 ± 6.2	✓
	B06.17-1	16.22	7.06	1.3	2.1	49.6	0.1	0.00008	3076.24	3065.25	✓
	B06.18-1	16.39	6.94	1.3	1.6	40.2	0.2	0.00013	3086.6	3079.36	✓
	B06.19-1	16.56	7.05	1.3	6.6	16	0.0	0.00007	3118.28	3083.99	✓
-	C23.23-6	17.11	7.20	1.3	1.5	246.3	1.6	0.00131	580 ± 48	527 ± 38.6	✓
	B06.20-1	17.27	6.92	1.3	6.2	151.8	-0.1	0.00003	3131.75	3082.02	✓
	B06.21-1	17.43	7.02	1.3	4.5	114.1	0.1	0.00001	3036.23	3001.88	✓
	B06.22-1	17.59	7.05	1.1	1.9	54.4	0.9	0.00049	3121 ± 38	3079 ± 9.8	✓
	B06.23-1	18.15	7.07	1.4	5.7	13.3	0.0	0.00006	3084.29	3070.35	✓
	B06.24-1	18.31	7.17	1.3	1.4	34	0.5	0.00041	3068 ± 45	3062 ± 10	✓
-	C23.23-7										no printout.
-	B06.25-1										no "
	B06.26-1	19.26	7.08	1.4	1.1	23.8	-0.3	0.00032	3144.29	3064.45	✓

no printout.
no "
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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?
	B06-27-1	19.43	7.17	1.3	2.0	47.9	0.2	0.0001	3047.26 ^{±35}	3001 ± 8.3	✓
	B06-28-1	20.00	6.96	1.3	2.2	56.5	0.4	0.00024	3070 ± 26	3067 ± 8.9	✓
	B06-29-1	20.17	7.20	1.3	1.6	35.5	-0.8	0.00063	3028 ± 42	3074 ± 10	✓
-	C23-23-8	20.33	7.21	1.3	1.6	24.7	-0.6	0.00047	583 ± 54	529 ± 51	✓
	B06-30-1	20.50	7.31	1.3	2.0	46.9	0.1	0.00004	3055 ± 36	3051 ± 8.4	✓
	B06-31-1	21.06	7.01	1.3	1.0	24.9	-0.0	0.00000	3157.19	3096 ± 16	✓
	B06-32-1	21.23	7.36	1.2	2.6	63.5	0.4	0.00020	3141 ± 36	3067 ± 7.9	✓
	B06-33-1	21.40	7.20	1.4	1.0	24.1	0.4	0.00047	3055 ± 51	3027 ± 12.3	✓
	B06-34-1	21.57	7.11	1.3	8.9	19.8	0.0	0	3241.4	3071 ± 8.1	✓
	B06-35-1	22.15	7.18	1.3	2.1	50.2	-0.3	0.00016	3068 ± 40.3	3099 ± 8.9	✓
-	C23-33-9	22.31	7.13	1.4	1.6	239.7	0.3	0.00028	571 ± 7.5	587 ± 33.9	✓
	B06-36-1	22.49	7.45	1.3	4.1	93.9	0.1	0.00005	3036 ± 25	3051 ± 5.7	✓
	B06-37-1	23.06	7.18	1.3	1.7	42.2	0.8	0.00056	3077 ± 49	3045 ± 8.8	✓
	B06-38-1	23.22	7.26	1.3	3.9	90.4	0.5	0.00015	3092 ± 28	3077 ± 6.7	✓
-	C23-23-10	23.39	7.03	1.4	1.5	238.4	-1.0	0.00029	560 ± 3.9	554 ± 35.6	✓
	B06-39-1	23.56	6.76	1.4	1.7	42.2	3.0	0.00219	3116 ± 50	3068 ± 10	✓
	B06-40-1	00.72	7.09	1.4	3.4	74.6	1.6	0.00062	3065 ± 27	3073 ± 6.8	✓
	B06-41-1	00.28	7.05	1.4	1.3	29.9	0.4	0.00041	3061 ± 43	3078 ± 10.8	✓
	B06-42-1	00.44	6.99	1.3	2.1	49.6	0.5	0.00030	3164 ± 35	3075 ± 9.5	✓
	B06-43-1	01.01	7.08	1.3	2.1	49.9	0.6	0.00038	3095 ± 42	3079 ± 8.1	✓
-	C23-23-11	01.17	6.99	1.4	1.5	236.9	-0.9	0.00033	561 ± 4.5	599 ± 32	✓
	B06-44-1	01.34	7.07	1.3	2.1	49.2	-0.2	0.00030	3111 ± 35	3049 ± 9.9	✓
	B06-45-1	01.50	6.88	1.4	1.4	33.5	0.7	0.00061	3093 ± 44	3064 ± 11.5	✓
	B06-46-1	02.07	7.76	1.4	1.2	30.5	-0.3	0.00035	3041 ± 45	3093 ± 13.0	✓
	B06-47-1	2.23	6.97	1.4	4.2	96.6	-0.6	0.00018	3108 ± 24	3085 ± 6	✓

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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	B06-48-1	02-39	6-92	1-4	1-1	25-4	0-1	.00009	3035 ± 47	3044 ± 11	✓
	B06-49-1	02-56	7-05	1-5	2-9	63-1	0-1	.00003	3013-75	3063-55	✓
	B06-50-1	03-13	6-99	1-5	4-7	101-6	-0-9	.00027	3073 ± 23	3051 ± 7-9	✓
-	C23-23-12	03-29	6-92	1-5	1-6	237-4	-0-2	.00016	576 ± 7-2	541 ± 37-7	✓
	B06-51-1	03-46	7-16	1-5	8-7	178-4	0-5	.00008	3090 ± 23-4	3065 ± 3-9	✓
	B06-52-1	04-03	7-01	1-5	1-3	27-7	-0-2	.00025	3094 ± 45	3077 ± 10-2	✓
	B06-53-1	04-20	6-92	1-5	4-6	103-7	1-0	.00031	3058 ± 26	3070 ± 6-8	✓
	B06-54-1	04-36	6-86	1-5	8-1	17-1	0-6	.00095	3199 ± 6-9	3054 ± 1-6	✓
	B04-55-1	04-52	7-02	1-5	2-6	53-7	-0-9	.00050	3082 ± 3-4	3072 ± 7-7	✓
	B04-56-1	05-09	6-82	1-6	1-1	24-2	0-6	.00079	2953 ± 4-5	2999 ± 1-4	✓
-	B06-57-1 C23-23-13	05-25	7-09	1-5	1-7	238-5	-0-2	.00020	576 ± 4-4	557 ± 3-2	✓
	B06-57-1	05-42	6-89	1-6	3-0	60-7	-0-4	.00023	3066 ± 2-8	3058 ± 8-3	✓
	B06-58-1	05-58	6-75	1-6	1-7	34-2	0-7	.00064	3164 ± 4-3	3072 ± 10-3	✓
	B06-59-1	06-14	7-18	1-6	5-0	97-8	1-2	.00036	3082 ± 3-0	3084 ± 5-3	✓
	B06-60-1	06-30	6-78	1-6	4-4	89-2	0-2	.00007	3139 ± 2-7	3061 ± 5-4	✓
	B06-61-1	06-46	6-86	1-5	4-6	97-8	1-1	.00034	3059 ± 22-8	3066 ± 5-6	✓
-	C23-23-14	07-03	7-05	1-5	1-7	236-8	-0-8	.00066	576 ± 4-7	540 ± 28-9	✓
	⁶² B06-62-1	07-19	6-95	1-5	2-5	53-4	0-2	.00009	3069 ± 3-3	3084 ± 7-2	✓
	B06-63-1	07-35	7-03	1-5	2-7	56-2	1-2	.00065	3086 ± 3-8	3063 ± 7-2	✓
	B06-64-1	07-52	6-81	1-6	2-7	57-9	-1-0	.00054	2990 ± 2-8	3043 ± 7-5	✓
	B06-65-1	08-08	6-75	1-5	3-5	78	1-3	.00051	3046 ± 25-8	3070 ± 7-1	✓

Write to Reason.
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