

### UWA SHRIMP DATA LOG

Date: **20/7/01**      UWA Mount No.: **B-43**      Whose sample?: **NK**      Operator(s): **IRF/MCN + NK**

Indicate any change to the following:    196    204    bkg    206    207    208    238    248    254    ~~270~~ **196/116**

**Precambrian**    Count time (secs):    2    10    10    10/20\*    30/10\*    10    5    5    2    ~~2~~ **2**

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

Steel: Wein volts / nA = **83V/6.9nA** for O<sup>-</sup>; = **57V/1.85nA** for O<sub>2</sub><sup>-</sup>; = **47V/3.5nA** for NO<sup>-</sup>

dead-time = **32** nanosecs      expected resolution = >4200      actual resolution = **4618**

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 ± 5**

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

Primary-epoxy = **1.6** nA    Primary-CZ3 = **2.0** nA    PESABM-CZ3 = **37** pA

Raster time (mins): **1**    Raster aperture (microns): **60**    No. of scans: **5**

Comments: **\* new aperture 18/7/01**  
**\* on Mount A-12 (left-hand stage posn)**

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<b>* C2.1-1</b>	<b>11.37</b>	<b>5.91</b>	<b>1.3</b>	<b>1.3</b>	<b>238</b>	<b>1.0</b>	<b>0.00081</b>	<b>571 ± 7</b>	<b>530 ± 36.5</b>	✓
	<b>C2.123-1</b>	<b>12.15</b>	<b>5.89</b>	<b>1.3</b>	<b>1.3</b>	<b>249</b>	<b>1.4</b>	<b>0.00117</b>	<b>567 ± 7.1</b>	<b>580 ± 39.9</b>	✓
	<b>1-1</b>	<b>12.35</b>	<b>6.51</b>	<b>1.2</b>	<b>8.0</b>	<b>27</b>	<b>0.6</b>	<b>0.00091</b>	<b>3038 ± 53</b>	<b>3087 ± 14</b>	✓
	<b>C2.123-2</b>	<b>12.53</b>	<b>6.31</b>	<b>1.2</b>	<b>1.4</b>	<b>259.8</b>	<b>-0.2</b>	<b>0.00013</b>	<b>569.8</b>	<b>522.3</b>	✓
	<b>UB43.2-1</b>	<b>13.15</b>	<b>6.37</b>	<b>1.2</b>	<b>7.6</b>	<b>20.7</b>	<b>0.9</b>	<b>0.00131</b>	<b>3097 ± 57</b>	<b>3058 ± 15</b>	✓
	<b>UB43.3-1</b>	<b>13.31</b>	<b>6.11</b>	<b>1.3</b>	<b>1.9</b>	<b>53.3</b>	<b>0.9</b>	<b>0.00052</b>	<b>3067 ± 32</b>	<b>3055 ± 9.2</b>	✓
	<b>UB43.4-1</b>	<b>13.47</b>	<b>5.93</b>	<b>1.3</b>	<b>1.7</b>	<b>48.4</b>	<b>1.2</b>	<b>0.00077</b>	<b>3107 ± 35</b>	<b>3076 ± 9.5</b>	✓
	<b>UB43.5-1</b>	<b>14.03</b>	<b>6.23</b>	<b>1.2</b>	<b>2.0</b>	<b>60.1</b>	<b>-0.5</b>	<b>0.00031</b>	<b>2830 ± 32</b>	<b>3093 ± 9.6</b>	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	UB43-6-1	14.19	6.02	1.2	6.9	19.8	0.7	0.00104	3129±36	3103±17	✓
	<del>C2-123-3</del>	<del>14.36</del>	<del>6.30</del>	<del>1.2</del>	<del>1.4</del>	<del>252.2</del>	<del>0.1</del>	<del>0.00006</del>	<del>579±47</del>	<del>591±23</del>	✓
	UB43-7-1	14.51	6.14	1.2	7.4	21.8	1.1	0.00163	2999±56	3101±26.8	✓
	UB43-8-1	15.08	6.06	1.3	4.2	105.8	-0.3	0.00007	3310±29	3339±7.4	✓
	UB43-9-1	15.24	5.92	1.3	2.8	76.6	-0.1	0.00003	3109±30	3058±7.2	✓
	UB43-10-1	15.41	6.26	1.3	1.1	24.2	0.3	0.00029	3473±54	3464±12.7	✓
	<del>UB43-11-1</del>	<del>15.57</del>	<del>6.32</del>	<del>1.2</del>	<del>1.2</del>	<del>33.5</del>	<del>1.9</del>	<del>0.00174</del>	<del>3085±83</del>	<del>3086±11.7</del>	✓
	UB43-12-1	16.14	6.17	1.2	1.1	29.7	2.3	0.00229	3111±58	3120±12	✓
	UB43-13-1	16.29	6.14	1.2	1.2	32.9	0.9	0.00085	3150±49	3065±12.4	✓
	<del>C2-123-4</del>	<del>16.45</del>	<del>6.16</del>	<del>1.3</del>	<del>1.4</del>	<del>250.8</del>	<del>-0.6</del>	<del>0.00046</del>	<del>583±4</del>	<del>547±31</del>	✓
	<del>Sida-142</del>	<del>17.02</del>	<del>6.18</del>	<del>1.3</del>	<del>2.1</del>	<del>45.6</del>	<del>0.6</del>	<del>0.00031</del>	<del>3655±46</del>	<del>3583±8.7</del>	✓ <small>ratio +32</small>
	UB43-14-1	17.19	6.06	1.3	1.2	31.6	0.1	0.00013	3211.9	3150.8	✓
	UB43-15-1	17.34	6.32	1.2	2.0	54.3	0.6	0.00031	3077±41	3079±8.9	✓
	UB43-16-1	17.50	5.96	1.3	6.5	18.1	0.0	0.00006	3071.34	3077.39	✓
	UB43-17-1	18.06	5.85	1.4	4.9	140.8	4.7	0.00107	2933±19	3043±5.5	✓
	UB43-18-1	18.21	5.98	1.3	1.5	41.4	0.7	0.00053	3052±38	3063±9.9	✓
	UB43-19-1	18.36	5.93	1.3	1.4			0.00065	3116±38	3067±11.3	✓
	<del>C2-123-5</del>										
	UB43-20-1	19.11	5.68	1.4	1.1	29.4	0.3	0.00031	3160±43	3087±13.1	✓
	UB43-21-1	19.27	5.90	1.3	8.5	22.8	-0.8	0.00102	3115±53	3095±15.3	✓
	UB43-22-1	19.43	<del>4.22</del>	1.3	4.6	11.9	0.4	0.00106	3156±70	3152±18.6	✓
	UB43-23-1	20.00	5.86	1.4	1.3	35.3	1.1	0.00095	2977±38	3086±13	✓
	UB43-24-1	20.16	4.08	1.0	1.1	86.9	0.9	0.00043	2506±26	3048±15	✓
	<del>C2-123-6</del>	<del>20.33</del>	<del>5.78</del>	<del>1.4</del>	<del>1.4</del>	<del>244.1</del>	<del>1.6</del>	<del>0.00130</del>	<del>571±8.9</del>	<del>526±47.9</del>	✓
	UB43-25-1	20.54	6.03	1.3	4.3	11.7	-0.2	0.00064	3104±61	3079.22	✓

no printout -

→ MCY4-1-

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	UB43-26-1	21-11	5.81	1.3	4.4	12.0	-1.0	-0.0248	3143±69	3237±18	✓
13,32	UB43-27-1	21-27	6.25	1.3	3.0	81.7	2.2	-0.0088	2858±184	3037±52	✓
13,34	UB43-28-1	21-44	6.06	1.3	7.6	44	1.5	-0.0106	3081±44	3093±10.3	✓
13,38	UB43-29-1	22-01	5.98	1.3	7.7	20	0.9	-0.0137	3188±54	3144±13.4	✓
13,39	UB43-30-1	22-18	6.20	1.3	1.2	30.9	-1.1	-0.0167	3134±56	3107±12.8	✓
13,33	<del>C2-123-7</del>	<del>22-36</del>	<del>5.88</del>	<del>1.3</del>	<del>1.4</del>	<del>248.6</del>	<del>0.4</del>	<del>-0.0033</del>	<del>577±5</del>	<del>555±27</del>	✓
13,34	UB43-31-1	22-53	5.97	1.3	2.6	70.7	0.3	-0.0011	3093±78	3075±17.3	✓
	UB43-32-1	23-10	5.70	1.4	1.2	32	-0.6	-0.0055	3098±48	3027±15	✓
	UB43-33-1	23-27	6.16	1.3	1.1	26.7	-0.2	-0.0021	3309±49	3308±10	✓
	UB43-34-1	23-43	5.99	1.3	1.2	33.2	2.5	-0.0242	2954±43	2957±15	✓
13,35	UB43-35-1	23-59	5.98	1.3	1.3	34.5	0.3	-0.0024	3172±52	3091±10.8	✓
	<del>C2-123-8</del>	<del>00-16</del>	<del>6.04</del>	<del>1.3</del>	<del>1.4</del>	<del>249.9</del>	<del>0.5</del>	<del>-0.0041</del>	<del>567±4.6</del>	<del>572±29</del>	✓
	<del>Sda-142-2</del>	<del>00-33</del>	<del>6.14</del>	<del>1.3</del>	<del>1.0</del>	<del>227.2</del>	<del>1.3</del>	<del>-0.0014</del>	<del>3493±19.9</del>	<del>3567±3.1</del>	✓ E0-32
	UB43-36-1	00-49	5.75	1.4	1.6	41.1	-0.5	-0.0039	3118±36	3056±12	✓
	UB43-37-1	01-06	5.91	1.4	3.9	104.2	-0.9	-0.0027	3122±29	3089±7.2	✓
	UB43-38-1	01-22	2.88	<del>5.0</del> <del>5.2</del>	<del>6.6</del> <del>6.6</del>	15.2	2.9	-0.0707	2669±91	3019±11.4	✓
	UB43-39-1	01-39	5.97	1.3	1.8	45.9	2.0	-0.0128	3134±37	3081±10.8	✓
	UB43-40-1	01-55	5.75	1.4	3.1	84.9	-0.4	-0.0016	3113±31.9	3085±13.8	✓
	UB43-41-1	02-12	5.91	1.3	1.2	33.3	1.2	-0.0107	3059±41	3059±11.8	✓
	UB43-42-1	2-28	5.79	1.4	2.5	67.5	-0.7	-0.0030	3103±35	3063±7.2	✓
	<del>C2-123-9</del>	<del>2-44</del>	<del>6.00</del>	<del>1.4</del>	<del>1.4</del>	<del>246.3</del>	<del>1.3</del>	<del>-0.0103</del>	<del>573±4.4</del>	<del>594±35.7</del>	✓
	UB43-43-1	03-01	3.17	3.6	1.7	49.3	-2.8	-0.0208	2632±61	3121±37.6	✓
	UB43-44-1	3-18	7.32	<del>1.4</del> <del>2.4.8</del>	<del>6.5</del> <del>1.2</del>	274.8	1.2	-0.0030	1592±23	2747±6.0	✓
	UB43-45-1	3-34	5.62	1.4	4.5	126.3	1.4	-0.0034	3040±28	3063±12.7	✓
	UB43-46-1	3-51	5.63	1.4	1.1	29.2	0.8	-0.0075	3208±52	3146±13	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	UB43-47-1	4.08	5.87	1.5	2.6	65.1	0.6	0.0024	3086 ± 33	3080 ± 13.2	✓
	UB43-48-1	4.24	5.93	1.4	9.6	24.7	-0.8	-0.0094	3078 ± 50	3142 ± 12.6	✓
	UB43-49-1	4.41	5.94	1.4	2.5	66	0.6	0.0029	3069 ± 31	3068 ± 10.2	✓
	C2.123-10	4.58	5.88	1.4	1.4	246.2	1.7	0.0138	574 ± 6.9	550 ± 36.9	✓
	UB43-50-1	5.15	6.01	1.3	6.7	18	0.7	0.0123	3052 ± 59	3067 ± 20	✓
	UB43-51-1	5.32	5.96	1.4	1.3	36	0.1	0.0009	3044 ± 38	3025 ± 9.8	✓
	UB43-52-1	5.49	5.88	1.3	4.4	126.6	1.8	0.0145	3038 ± 25.6	3091 ± 6.3	✓
	UB43-53-1	6.05	6.12	1.3	5.1	155.4	3.8	0.0089	2683 ± 17.8	2966 ± 5.4	✓
	UB43-54-1	6.22	5.63	1.4	2.0	57.8	-0.7	-0.0038	3070 ± 30.4	3067 ± 9.5	✓
	UB43-55-1	6.38	6.06	1.3	4.5	118.5	1.1	0.0028	3107 ± 22	3086 ± 6.2	✓
	C2.123-11	6.55	6.20	1.3	1.4	253.5	0.2	0.0013	571 ± 4.1	568 ± 26	✓
	UB43-56-1	7.13	6.01	1.3	5.7	15.4	0.9	0.0170	3134 ± 63.9	3075 ± 20.9	✓
	UB43-57-1	7.30	6.18	1.3	2.5	69	1.1	0.0050	2965 ± 3	2957 ± 8.0	✓
	UB43-58-1	7.46	5.68	1.4	2.5	66.4	0.6	0.0029	3102 ± 28	3085 ± 9.4	✓
	C2.123-12	8.02	5.89	1.4	1.4	243.2	1.0	0.0083	558 ± 4.7	558 ± 36	✓