

**UWA SHRIMP DATA LOG**

Date: 2/2/04      UWA Mount No.: 03-51      Whose sample?: DV      Operator(s): McN + DV

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<sup>5</sup> 30/10<sup>5</sup> 10    5    5    2

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

Steel: Wein volts / nA = 361/5.8 for O<sup>-</sup>; = 264/1.45 for O<sub>2</sub><sup>-</sup>; = 226/1.6 for NO<sup>-</sup>

dead-time = 24 nanosecs      expected resolution = >4200      actual resolution = 4379

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 = 8.171    204-bkg = 0.045    204-206 = 2.000 ± 6

206-207 = 1.000    206-208 = 2.000

Primary-epoxy = 4.5 nA    Primary-CZ3 = 6.3 nA    PESABM-CZ3 = 150 pA

Raster time (mins): 1.0    Raster aperture (microns): 120    No. of scans: 5

Comments:

*Handwritten notes in red:*  
 CZ3  
 16 + 3  
 15 14 13 12 11 10  
 9 8 7 6  
 5 4 3

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	<u>C2.1-1</u>	<u>10:24</u>	<u>5.15</u>	<u>47</u>	<u>3700</u>	<u>238</u>	<u>0.0</u>	<u>0.04</u>	<u>572 ± 8</u>	<u>573 ± 29</u>	<u>✓</u>
	<u>C2.1-2</u>	<u>10:42</u>	<u>5.19</u>	<u>49</u>	<u>3800</u>	<u>237</u>	<u>-0.4</u>	<u>-</u>	<u>570 ± 5</u>	<u>546 ± 17</u>	<u>✓</u>
	<u>B.3-1</u>	<u>11:02</u>	<u>5.39</u>	<u>48</u>	<u>14K</u>	<u>146</u>	<u>1.3</u>	<u>0.03</u>	<u>2734 ± 19</u>	<u>2644 ± 4</u>	<u>✓</u>
	<u>B.4-1</u>	<u>11:19</u>	<u>5.09</u>	<u>55</u>	<u>4600</u>	<u>50</u>	<u>-0.6</u>	<u>-</u>	<u>2535 ± 15</u>	<u>2671 ± 6</u>	<u>✓</u>
	<u>C2.1-3</u>	<u>11:35</u>	<u>5.43</u>	<u>44</u>	<u>4000</u>	<u>140</u>	<u>0.3</u>	<u>0.009</u>	<u>588 ± 4</u>	<u>537 ± 13</u>	<u>✓</u>
	<u>B.5-1</u>	<u>11:54</u>	<u>5.29</u>	<u>51</u>	<u>8100</u>	<u>57</u>	<u>1.5</u>	<u>0.26</u>	<u>2611 ± 15</u>	<u>2695 ± 8</u>	<u>✓</u>
	<u>B.6-1</u>	<u>12:20</u>	<u>5.52</u>	<u>47</u>	<u>4300</u>	<u>43</u>	<u>1.8</u>	<u>0.15</u>	<u>2798 ± 25</u>	<u>2788 ± 12</u>	<u>✓</u>
	<u>B.7-1</u>	<u>12:38</u>	<u>5.3</u>	<u>49</u>	<u>6700</u>	<u>43</u>	<u>0.2</u>	<u>0.03</u>	<u>2824 ± 14</u>	<u>2689 ± 6</u>	<u>✓</u>

+61422947071

Mount/sample No: 03-51

Date: 2/2/04

Page No: Mn + DV

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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	B8-1	12:54	5.56	33	2900	16	0.3	0.08	3011±24	2664±9	✓
	B9-1	13:11	5.06	42	1100	7.4	0.4	0.43	2705±43	2658±21	✓
	<b>c21-4</b>	<b>13:27</b>	<b>5.06</b>	<b>53</b>	<b>3900</b>	<b>150</b>	<b>0.26</b>	<b>0.03</b>	<b>582±5</b>	<b>588±2</b>	✓
	B10-1	13:46	5.49	44	6900	44	0.17	0.008	278±4	2662±6	✓
	B11-1	14:12	5.56	41	8900	56	0.4	0.04	2717±64	2645±2	✓
	B12-1	14:29	5.5	50	9600	69	0.6	0.06	2448±26	2651±5	✓
	B13-1	14:57	5.6	34.5	5000	30	0.31	0.05	2810±19	2627±7	✓
labelled it B13-1 ←	B14-1	15:15	6.1	40	7500	42	0.6	0.09	2801±6	2673±7	✓
labelled it B.14 ←	B13-2	15:31	5.15	36	8600	25	0.15	0.015	2666±25	2667±7	✓
	<b>c21-5</b>	<b>15:47</b>	<b>5.32</b>	<b>48</b>	<b>4200</b>	<b>150</b>	<b>0.2</b>	<b>0.02</b>	<b>601±6</b>	<b>521±17</b>	✓
	B16-1	16:08			PRINTER		PLAYING UP				✓
	B15-1	16:35	5.53	46	9700	60	0.19	0.002	2784±15	2646±5	✓
labelled b17-1 ←	b15-2	16:51	5.3	48	8800	56	0.23	0.01	2882±14	2630±11	✓
labelled b18-1 ←	b17-1	17:08	4.98	29	6700	41	0.19	0.33	2699±45	2631±23	✓
	<b>c21-6</b>	<b>17:24</b>	<b>5.84</b>	<b>51</b>	<b>5000</b>	<b>160</b>	<b>0.3</b>	<b>0.03</b>	<b>610±6</b>	<b>588±18</b>	✓
	<b>c21-7</b>	<b>17:39</b>			PRINTER		PLAYING UP				✓
labelled c21-9 ←	<b>c21-8</b>	<b>17:56</b>	<b>5.55</b>	<b>39</b>	<b>3900</b>	<b>130</b>	<b>0.18</b>	<b>0.04</b>	<b>599±3</b>	<b>502±38</b>	✓
labelled c21-10 ←	<b>c2-19</b>	<b>18:21</b>	<b>5.04</b>	<b>46</b>	<b>3600</b>	<b>140</b>	<b>0.18</b>	<b>0.005</b>	<b>573±5</b>	<b>580±17</b>	✓
	b18-1	18:40	5.65	41	4300	26	0.16	0.04	2737±34	2673±96	✓
	b19-1	18:56	5.4	51	1100	6.8	0.2	0.2	2819±35	2704±21	✓
(D)	d.11-1	19:21	5.28	51	4000	24	0.4	0.04	2946±26	275±7	✓
	d12-1	19:38			Printer		playing up				✓
	d13-1	20:04	5.32	52	3700	23	0.16	0.04	2917±20	2851±7	✓
	d14-1	20:30	5.19	58	9600	64	0.69	0.05	2753±14	2697±7	✓
	d15-1	20:47	5.45	48	4100	25	0.2	0.03	2805±23	2712±12	✓

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?

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?
	<b>c23.2-1</b>	<b>21:02</b>	<b>5.33</b>	<b>47</b>	<b>4100</b>	<b>150</b>	<b>0.22</b>	<b>0.003</b>	<b>584±6</b>	<b>598±19</b>	✓
labelled + d15-1 ←	d15-1	21:21	5.52	50	1800	9.8	0.4	0.09	3119±36	3020±13	✓
	d17-1	21:38	5.38	46	9400	60	0.2	0.00	2763±17	2665±10	✓
	d18-1	21:59	4.89	52	2500	17	0.2	0.02	2767±39	2747±31	✓
	d19-1	22:16	4.98	48	1300	91	0.24	0.08	2805±62	2717±14	✓
	d20-1	22:37	5.29	53	2900	22	0.3	0.003	2425±18	2301±8	✓
	d20-2	22:54	5.7	45	3300	23	0.25	0.002	2414±17	2317±8	✓
	<b>c23.2-2</b>	<b>23:10</b>	<b>5.35</b>	<b>47</b>	<b>4300</b>	<b>150</b>	<b>0.28</b>	<b>0.002</b>	<b>601±4</b>	<b>540±17</b>	✓
	d21-1	23:26	5.1	45	7700	54	0.23	0.18	2696±31	2692±5	✓
	d22-1	23:43	5.00	50	3300	22	0.2	0.04	2798±20	2703±9	✓
	d23-1	00:03	5.04	50	2700	18	0.3	0.04	2788±25	2724±20	✓
	d24-1	00:22	5.52	49	4200	19	<del>0.3</del>	0.02	2711±35	2579±8	✓
	d24-2	00:42	5.25	49	3800	28	0.45	0.12	2543±16	2572±8	✓
	d25-1	00:59	5.58	46	4100	23	0.17	0.05	2936±20	2730±6	✓
	<b>c23.2-3</b>	<b>01:14</b>	<b>5.397</b>	<b>50</b>	<b>4300</b>	<b>160</b>	<b>0.3</b>	<b>0.01</b>	<b>581±6</b>	<b>578±30</b>	✓
	d26-1	01:34	6.12	40	5100	29	0.18	0.009	2725±18	2699±6	✓
	d27-1	01:50	5.4	44	7100	46	0.45	0.098	2717±13	2649±5	✓
	d28-1	02:07	5.7	36	2600	14	0.24	0.05	3060±31	2752±10	✓
	d29-1	02:28	4.08	63	1900	15	1.3	0.9	2855±44	2688±22	✓
	d30-1	02:46	5.37	51	5400	47	0.5	0.096	2131±25	2717±8	✓
	<b>c23.2-4</b>	<b>03:02</b>	<b>5.3</b>	<b>50</b>	<b>4300</b>	<b>160</b>	<b>0.4</b>	<b>0.08</b>	<b>585±2</b>	<b>569±29</b>	✓
	d31-1	03:18	5.42	47	12000	89	0.2	0.003	2469±16	2299±10	✓
	d31-2	03:38	5.4	42	17000	140	0.4	0.03	2273±23	2303±5	✓
	d32-1	04:02	6.3	39	4000	20	0.45	0.09	2958±32	2857±7	✓
	d33-1	04:20	5.66	48	9300	50	0.29	0.012	3028±18	2913±12	✓

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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computer  
frozen

	d34-1	04:36	5.83	40	1800	10	0.14	0.04	2834 ± 30	2732 ± 11	✓
	<del>c23.25</del>	<del>05:31</del>	<del>6.14</del>	<del>45</del>	<del>5000</del>	<del>150</del>	<del>0.27</del>	<del>0.01</del>	<del>609 ± 3</del>	<del>555 ± 17</del>	✓
	d.35-1	05:46	5.33	58	5500	39	0.28	0.05	2538 ± 5	2728 ± 6	✓
	d36-1	- printer playing up -									
	d37-1	- printer playing up -									
	d20-3	07:09	5.7	36	2000	13	0.11	0.07	2561 ± 27	2340 ± 14	✓
	d20-4	07:25	5.60	45	2400	17	0.25	0.05	2465 ± 22	<del>2313 ± 14</del>	✓
	c23.26	07:41	5.88	50	5300	16	0.31	0.03	632 ± 6	545 ± 22	✓
	c23.27	07:56	6.14	46	5400	180	0.45	0.03	620 ± 45	520 ± 30	✓
	c23.28	08:12	5.46	61	4900	170	0.28	0.007	599 ± 7	559 ± 31	✓
	c23.29	08:27	5.48	62	4900	170	0.23	0.017	589 ± 5	573 ± 18	✓
	c23.20	08:43	5.54	54	4900	160	0.38	0.05	608 ± 6	547 ± 28	✓

end of session