

UWA SHRIMP DATA LOG

Date: 11/14/02 UWA Mount No.: B92 + B66 Whose sample?: NV/MB Operator(s): IRF/MB

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 = -72/10.2 for O⁻; = -53/3.0 for O₂⁻; = -45/3.6 for NO⁻
 dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 5077
 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 = 3.0 nA Primary-CZ3 = 3.8 nA PESABM-CZ3 = 68 pA
 Raster time (mins): 2 Raster aperture (microns): 50 No. of scans: 6

Comments: 1st settings saved as 11/14/02 9am. Note that Wein settings are reversed from usual.

↓ B-92
9-1 in file

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>C23.6-1</u>	<u>10:39</u>	<u>5.70</u>	<u>30</u>	<u>3005</u>	<u>cal</u>	<u>2.3</u>	<u>0.03</u>	<u>cal</u>	<u>✓</u>	<u>✓</u>
	<u>C23.6-2</u>	<u>10:57</u>	<u>5.57</u>	<u>31</u>	<u>3027</u>	<u>560</u>	<u>2.5</u>	<u>0</u>	<u>579</u>	<u>✓</u>	<u>✓</u>
	<u>B.14-1</u>	<u>11:18</u>	<u>5.88</u>	<u>32</u>	<u>15650</u>	<u>589</u>	<u>530</u>	<u>4.1</u>	<u>2197</u>	<u>2447 ±110</u>	<u>✓</u>
	<u>B.B-1</u>	<u>11:37</u>	<u>5.33</u>	<u>29</u>	<u>14250</u>	<u>627</u>	<u>21</u>	<u>0.14</u>	<u>2336 ±24</u>	<u>2531 ±4</u>	<u>✓</u>
	<u>B.12-1</u>	<u>11:57</u>	<u>5.47</u>	<u>28</u>	<u>12280</u>	<u>623</u>	<u>5.2</u>	<u>0.04</u>	<u>2108 ±24</u>	<u>2348 ±4</u>	<u>✓</u>
	<u>C23.12-1</u>	<u>12:36</u>	<u>5.60</u>	<u>32</u>	<u>3160</u>	<u>560</u>	<u>4.1</u>	<u>0.14</u>	<u>582 ±5</u>	<u>525 ±25</u>	<u>✓</u>
	<u>B.8-3</u>	<u>12:55</u>	<u>5.26</u>	<u>33</u>	<u>12680</u>	<u>456</u>	<u>6.6</u>	<u>0.055</u>	<u>2582 ±12</u>	<u>2026 ±5</u>	<u>✓</u>
	<u>B.7-3</u>	<u>13:14</u>	<u>5.35</u>	<u>35</u>	<u>11240</u>	<u>488</u>	<u>8.7</u>	<u>0.089</u>	<u>2054 ±8</u>	<u>2350 ±4</u>	<u>✓</u>

1st settings saved as 11/14/02 9am. Note that Wein settings are reversed from usual.

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?

	C23.12-2	13:57	5.43	32	3003	556	1.4	0.05	572±2	574±26	✓
	C.7-2	14:19	5.34	33	3161	106	1.7	0.058	2658±23	2648±7	✓ rim
	C.11-2	14:38	5.62	31	3259	107	1.2	0.04	2679±22	2661±7	✓ over
	C.10-1	14:58	5.35	35	3309	100	6.9	0.24	2759±19	2651±11	✓ rim slight over
	C23.12-3	15:18	5.49	33	3187	555	1.3	0.045	582±3	490±22	✓
	C.25-1	15:38	5.54	32	2880	66.2	0.6	0.031	2711±25	2665±11	✓ core
	C.14-1	15:58	5.65	31	13320	436	-0.3	-	2670±12	2664±10	✓ core
	C.6-3	16:19	5.54	32	2686	90	0.6	0.026	2622±20	2660±8	✓ core
	C23.10-1	16:39	5.49	33	3155	559	3.5	0.13	565±3	575±34	✓
	C.18-2	17:07	5.58	33	3502	106	-0.8	-	2736±23	2681±8	✓ rim?
	C.1-1	17:30	5.47	34	13200	458	3.6	0.031	2476±10	2630±6	✓
	C.4-2	17:48	5.57	32	5648	179	1.0	0.02	2727±19	2654±6	✓
Sample change to B66 →	C23.10-2	18:09	5.43	35	3131	531	2.5	0.04	576±2	572±21	✓
	C37cz.1-1	20:13	5.65	30	2793	529	0.1	0.002	568±3	546±17	✓
	C37cz.1-2	20:32	5.75	29	3144	588	2.2	0.077	572±3	574±24	✓
	A.18-4	20:53	5.65	30	8199	275	1.8	0.024	2727±15	2699±5	✓
	A.21-1	21:15	5.20	26	23740	1103	14.7	0.05	2583±99	2640±75	✓
	A.24-1	21:33	5.36	33	8666	290	1.4	0.018	2641±13	2689±5	✓
	B37cz.1-3	21:53	5.53	30	3041	579	0.8	0.028	574±7	580±23	✓
	A.17-2	22:32	6.17	25	9116	315	2.1	0.023	2822±14	2727±5	✓
	A.22-2	22:51	5.77	26	8345	322	7.4	0.084	2675±12	2664±4	✓
	A.3-4	23:26	5.82	31	7481	231	4.8	0.075	2719±93	2707±15	✓
Error on printer - no printout provided! →	A.19-1										← NB is 29-1 on STRIMP data file!!!
	C37.1-4	00:27	5.56	34	3418	568	-	-	590±3	585±14	✓
	A.30-1	00:47	6.05	31	11790	342	1.5	0.016	2759±12	2675±4	✓

Sample change to B66 →

Separate .go file
NOT STRIMP!!!

Error on printer - no printout provided!

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?
	A.5-1	01:06	5.82	33	7908	220	1.6	0.052	2838 ± 14	2725 ± 6	✓
	A.11-1	01:27	5.60	32	10860	332	8.1	0.083	2819 ± 12	2706 ± 5	✓
	C37c2.15	01:46	5.71	32	3410	575	—	—	591 ± 3	571 ± 13	✓
	C.14-1	02:10	5.15	37	24760	747	6.3	0.03	2742 ± 20	2699 ± 6	✓
	C.22-1	02:44	5.49	35	47280	1397	18.6	0.047	2725 ± 102	2657 ± 16	✓
	C.22-2	03:02	6.21	29	8695	262	2.2	0.029	2734 ± 22	2713 ± 12	✓
	C37c2.16	03:21	5.65	32	3258	566	1.1	0.038	590 ± 3	556 ± 21	✓
	C.8-1	03:55	5.75	34	28350	812	6.3	0.027	2725 ± 16	2691 ± 2	✓
Sample change to C.70 →	C.2-1	04:40	11.26	0	181900	—	—	9.46	5324 ± 981	1824 ± 1991	✓
	C.3-1	05:01	11.32	0	281500	—	—	—	529 ± 868	2705 ± 18	✓
	C70c2.1	05:22	6.03	30	3357	601	1.6	0.056	553 ± 2	533 ± 19	✓
	C.3-2	05:42	10.98	0	283400	—	—	0.061	5654 ± 85	2743 ± 5	✓
	C.4-1	06:02	11.60	2.1	183700	12624	50	0.005	5604 ± 30	2751 ± 1	✓
	C.4-2	06:22	10.01	2.4	165600	15805	49	0.005	4733 ± 239	2733 ± 12	✓
	C70c2.2	06:43	5.67	42	3432	47	—	—	563 ± 2	558 ± 16	✓
	C.5-1	07:03	10.39	2	248800	19639	89	0.006	5450 ± 17	2748 ± 7	✓
	C.5-2	07:21	11.25	2	222600	14585	106	0.003	5587 ± 74	2747 ± 9	✓
	C.5-3	07:41	10.22	2	238900	21936	—	—	5464 ± 19	2751 ± 9	✓
	C70c2.3	08:02	5.67	40	3308	48	0	0.019	545 ± 6	563 ± 36	✓
	C70c2.3-1	08:20	5.65	40	3183	47	0	0	548 ± 9	557 ± 22	✓

204-206 offset is very slightly large for C70 grains.