

UWA SHRIMP DATA LOG

Date: 19/8/01 UWA Mount No.: B-50
B-49
B-41 Whose sample? Matt Baggott Operator(s) MeN + NV

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	270
<u>Auriferous time</u>	<u>1.0</u>	—	—	<u>2.0</u>	<u>4.0</u>	—	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	—
Precambrian Count time (secs):	2	10	10	10/20*	30/40*	10	5	5	2	2
Phanerozoic* Delay time (secs):	8	3	1	2	1	1	3	2	2	2

Steel: Wein volts / nA = 73V/303/12.0 for O⁻; = 48V/198/2.75 for O₂⁻; = 37V/155/5.9 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4885
 aperture = 70 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

70 μm ap. →
100 μm ap. →

Primary-epoxy = 2.35 nA Primary-CZ3 = 3.2 nA PESABM-CZ3 = 13/35 pA

Raster time (mins): 2.0 Raster aperture (microns): 40 No. of scans: 6

Comments: Setup with 100 μm aperture but ran with 70 μm aperture.
B50A = 17380N#1

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>C23.4-1</u>	—	—	—	—	—	—	—	—	—	—
	<u>C2.4-2</u>	<u>11:13</u>	<u>7.99</u>	<u>3.9</u>	<u>610</u>	<u>244</u>	<u>2.3</u>	<u>19</u>	<u>579 ± 7</u>	<u>508 ± 46</u>	✓
	<u>A.45-1</u>	<u>11:37</u>	<u>7.51</u>	<u>4.3</u>	<u>1900</u>	<u>108</u>	<u>1.2</u>	<u>.04</u>	<u>3265 ± 41</u>	<u>3442 ± 7</u>	✓
	<u>C2.4-3</u>	<u>11:58</u>	<u>7.59</u>	<u>3.8</u>	<u>550</u>	<u>239</u>	—	<u>15</u>	<u>555 ± 6</u>	<u>558 ± 68</u>	✓
	<u>A42-1</u>	<u>12:20</u>	<u>7.76</u>	<u>3.7</u>	<u>2300</u>	<u>128</u>	<u>23</u>	<u>0.49</u>	<u>3397 ± 86</u>	<u>3477 ± 8</u>	✓
	<u>A43-1</u>	<u>12:43</u>	<u>7.76</u>	<u>3.8</u>	<u>1200</u>	<u>63</u>	<u>0.9</u>	<u>0.04</u>	<u>3443 ± 60</u>	<u>3471 ± 9</u>	✓
	<u>C2.4-4</u>	<u>13:05</u>	<u>7.76</u>	<u>3.9</u>	<u>600</u>	<u>237</u>	<u>-2.7</u>	—	<u>560 ± 7</u>	<u>577 ± 26</u>	✓
	<u>A64-1</u>	<u>13:36</u>	<u>7.76</u>	<u>4.3</u>	<u>4000</u>	<u>318</u>	<u>20</u>	<u>0.2</u>	<u>2178 ± 18</u>	<u>2137 ± 8</u>	✓

B-50 ↓

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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?

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?
	B65-1										
	A65-1 B58	13.58	7.76	39	370	29	0.6	0.08	2497±82	2770±18	✓
	B66-1	14.20	7.76	4.0	500	34	1.6	0.16	2808±87	2785±20	✓
	C24-5	14.41	8.06	4.1	620	245	0.9	0.08	557±7	595±43	✓
	A45-2	15.03	7.76	3.9	800	46	2.4	0.15	3324±88	3462±13	✓
	A33-1	15.24	7.76	3.8	1500	86	5.5	0.07	3387±62	3469±8	✓
	A40-1	15.54	7.76	4.5	350	53	0.9	0.14	1373±27	1484±37	✓
	B69-1	16.15	7.76	3.5	3800	329	13.3	0.19	2182±22	2272±8	✓
	C24-6	16.36	7.76	4.0	540	241	1.4	0.124	532±6	556±60	✓
	B70-1	16.59	7.76	3.9	460	31	0.4	0.038	2999±90	3333±16	✓
	B73-1	17.20	7.76	3.3	4500	457	33.3	0.383	1952±18	2072±10	✓
	B74-1	17.43	8.59	2.2	610	92	0.6	0.03	2184±79	2788±268	✓
	C24-7	20.57	7.91	4.1	630	270	-1.6	-	583±7	599±26	✓
	A40-2	21.18	7.69	4.1	840	not printed on paper	0.14	0.14	1488±26	1531±21	✓
	B-49										
	C2-1	21.56	7.76	4.5	580	226	1.2	0.11	578±7	565±45	✓
	B41 C2-2	20.20	7.76	3.9	600	249	0.9	0.08	566±7	607±44	✓
	F20-2	22.44	7.76	3.7	2600	201	3.9	0.06	2901±32	2820±9	✓
	C25-3	23.04	7.76	4	560	240	1.8	0.15	554±7	532±49	✓
	F3-1	23.26	7.23	4.1	1500	116	-0.1	-	2692±33	2690±10	✓
	C26-1	23.49	7.84	4.3	6400	237	-0.1	-	584±8	652±26	✗
	C26-2	00:13	7.86	4.2	640	239	-0.7	-	580±7	577±37	✓
	F5-2	06:36	8.65	5.6	1300	143	17	0.45	2577±29	2578±16	✓
	F6-1	00:57	4.3	4.3	930	96	20	0.5	3613±46	2673±14	✓
	F12-1	01:25	7.44	4.3	3200	207	5.0	0.08	2923±31	2657±7	✓
	C21-4	1:47	8.22	4.0	660	244	-0.2	-	584±7	591±25	✓

lost 20 after 3rd scan

204/206 72.005±

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?
	B4H f7-2	2:07	4.84	4.8	520	60.8	33.6	2.0	2634±40	2628±46	✓
	f15-2	02:29	6.3	5.1	2000	196	7.2	0.534	2175±24	2260±16	✓
	f14-1	02:52	8.30	3.9	1000	870	0.4	0.019	2753±45	2748±11	✓
	c27-1	03:13	7.78	4.4	650	246	-1.1	-	570±7	577±34	✓
	f8-1	03:36	7.30	4.1	850	66	0.8	0.044	2716±46	2856±12	✓
	f16-1	3:57	7.77	4.2	2300	168	0.5	0.01	2564±27	2664±7	✓
	c27-2	04:18	8.1	4.1	660	2495	1.6	0.11	574±7	599±51	✓
	B8-1	04:46	8.43	4.3	2400	244	1.2	0.029	1954±20	2298±8	✓
	B3-1	05:10	5.77	3.1	710	96	80	2.9	2722±45	2937±28	✓
	B29-1	5:36	4.83	2.7	240	33	13.5	1.02	3596±119	2546±42	✓
	c27-3	5:57	7.76	4.3	650	242	0.5	0.04	577±8	574±39	✓
	B7-1	6:19	7.76	3.6	460	68	17.7	0.58	3913±64	2604±22	✓
	B9-3	6:42	6.91	4.4	2300	286.6	212	4.29	1731±58	206±268	✓
	B17-3	7:03	5.84	5.1	3000	24.2	1.9	0.265	2812±69	2653±32	✓
	B17-4	07:24	5.34	5.0	150	14.7	2.6	0.131 0.17 0.17 0.68	2701±80	2616±45	✓
	c28-1	7:46	7.88	4.3	620	237	-0.7	-	558±7	625±36	✓
	B49 A20-1	8:11	7.97	3.9	600	47	2.0	0.17	2549±53	2658±20	✓
	A20-2	8:35	8.24	4.0	1100	74	-0.2	-	2814±44	2674±10	✓
	A23-1	8:59	7.89	4.4	650	40	4.8	0.41	2820±73	2772±22	✓
	c22-3	9:22	8.02	4.3	670	241	1.5	0.13	584±7	583±47	✓