

UWA SHRIMP DATA LOG

Date: 11/2/00 UWA Mount No.: 99-61 Whose sample?: Neal Operator(s): IF + MG

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 -

Beam
 Steel: Wein volts / nA = 18 for O⁻; = 3.3 for O₂⁻; = 6.6 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5215

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 = 1.999

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.4 nA Primary-CZ3 = 3.3 nA PESABM-CZ3 = 53 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: Sensitivity = 25

Rejection <u>override</u>	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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	<u>C23-10-4</u>	<u>13:17</u>	<u>6.85</u>	<u>21</u>	<u>2534</u>	<u>-</u>	<u>0.0</u>	<u>0</u>	<u>-</u>	<u>577</u>	<u>✓</u>
	<u>C23-10-5</u>	<u>13:40</u>	<u>6.69</u>	<u>20</u>	<u>2336</u>	<u>224</u>	<u>0.4</u>	<u>.03</u>	<u>572.0</u>	<u>593.3</u>	<u>✓</u>
	<u>99-61-1</u>	<u>14:06</u>	<u>6.40</u>	<u>21</u>	<u>3864</u>	<u>78.7</u>	<u>0.7</u>	<u>.03</u>	<u>2532</u>	<u>2607</u>	<u>✓</u>
	<u>C64-1</u>	<u>14:27</u>	<u>6.61</u>	<u>20</u>	<u>3276</u>	<u>65.2</u>	<u>2.1</u>	<u>0.10</u>	<u>2473</u>	<u>2591</u>	<u>✓</u>
	<u>C65-1</u>	<u>14:47</u>	<u>6.52</u>	<u>20</u>	<u>4544</u>	<u>91.9</u>	<u>2.2</u>	<u>0.07</u>	<u>2554</u>	<u>2602</u>	<u>✓</u>
	<u>C66-1</u>	<u>15:11</u>	<u>6.73</u>	<u>20</u>	<u>3543</u>	<u>64.2</u>	<u>0.0</u>	<u>0.00</u>	<u>2528</u>	<u>2647</u>	<u>✓</u>
	<u>C23-10-6</u>	<u>15:32</u>	<u>6.77</u>	<u>20</u>	<u>2452</u>	<u>222</u>	<u>1.1</u>	<u>0.09</u>	<u>576.0</u>	<u>535.7</u>	<u>✓</u>
	<u>C68-1</u>	<u>15:53</u>	<u>6.51</u>	<u>20</u>	<u>4215</u>	<u>82.5</u>	<u>0.8</u>	<u>0.03</u>	<u>2565</u>	<u>2589</u>	<u>✓</u>

61-2 in file

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?

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?
	C.69-1										
	C.70-1	16:41	6.65	20	4110	76.7	1.1	0.04	2587	2593	✓
	C.72-1	17:00	6.57	19	4180	83.7	1.9	0.06	2547	2598	✓
	C23.13-1 ¹¹⁻⁴	17:29	6.75	21	2471	229	1.1	0.10	561.0	536.3	✓
	C.73-1	17:49	6.80	20	3806	65.7	1.5	0.06	2617	2604	✓
	C.74-1	18:08	6.65	19	3672	69.2	0.9	0.04	2580	2598	✓
	C.75-1	18:26	6.66	19	4218	82.9	0.7	0.03	2557	2596	✓
	C.76-1	18:45	7.09	18	6740	123	18.6	0.46	2383	2604	✓
	C23.13-1	19:06	6.90	20	2394	217	1.4	0.12	558.1	627.6	✓
	C.77-1	19:37	6.43	22	4107	81.9	-	-	2453	2612	✓
	C.78-1	19:52	6.31	19	5243	150	43.6	1.03	2113	2608	✓
	²⁰⁴ Th C.79-1	20:16	6.93	20	5837	126	39.6	1.16	2026	2621	✓
	C.59-2	20:37	6.62	20	3621	68.3	1.4	0.06	2532	2603	✓
	C23.13-2	20:57	6.67	21	2428	223	0.9	0.07	570.0	529.4	✓
	D.71-1	21:16	6.98	20	4888	65.4	2.3	0.08	2961	3094	✓
High 204 →	D.71-2	21:35	7.61	16	6677	595	320	9.2	478	2229	✓
	D.73-1	21:55	7.35	20	2398	88.5	49.1	4.7	1048	1642	✓
	D.74-1	22:14	6.71	20	3440	66.6	0.8	0.04	2425	2458	✓
	C23.13-3	22:35	6.88	19	2515	230	-	-	582.2	582	✓
	D.75-1	22:55	7.10	19	2021	56	3.0	0.3	1606	1646	✓
	D.76-1	23:18	6.80	19	2670	113	0.2	0.02	1208	1209	✓
High 204 →	D.77-1	23:37	8.23	18	7172	232	155	6.2	950	1652	✓
	D.78-1	23:56	6.82	20	4311	80	1.2	0.05	2451	2456	✓
	C23.13-4	00:15	6.68	19	2312	239	-0.1	-	553.4	606	✓
	D.80-1	00:36	6.73	20	2145	27	-0.1	-	3451	3464	✓

! Did not print!
(Hard disk full error)

²⁰⁴Th

High 204 →

Marked as 84-1 on photos

Name changed to 84-1 in Power file (but not in archive) at pie

High 204 →

+ Last scan to stop - will crash

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?

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?
	D.81-1	00:55	6.67	20	2441	80	1	0.07	1594	1672	✓
	D.82-1	01:13	6.47	20	2736	110	19.1	1.1	1413	1732	✓
	D.83-1	01:32	6.58	20	499	10.4	0.3	0.1	2445	2488	✓
	C23.13-5	01:51	6.97	18	2491	228	0.7	0.06	582	527	✓
	D.78-2	02:09	6.66	20	5079	141	10.2	0.31	1844	2483	✓
	D.84-1	02:36	6.66	20	941	17	0.8	0.13	2608	2649	✓
	D.73-2	02:56	6.58	20	2212	76	30.9	2.3	1504	1694	✓
	D.85-1	03:14	6.70	20	3159	120	0.6	0.04	1376	1409	✓
	C23.13-6	03:31	6.74	19	2438	237	-	-	578	510	✓
	D.86-1	03:49	6.72	19	700	32	-1.1	-	1160	1223	✓
	D.87-1	04:07	6.63	19	5703	178	5.8	0.17	1690	1786	✓
	B.111-2	04:49	6.57	20	2035	39	0.6	0.05	2581	2580	✓
	B.31-2	05:17	6.43	20	3165	68	1.4	0.06	2456	2568	✓
	C23.13-7	05:35	6.60	19	2233	240	0.5	0.04	566	566	✓
	B.112-3	05:55	6.76	20	5525	101	2.2	0.06	2520	2575	✓
	B.112-4	06:13	6.90	19	5829	102	5.1	0.14	2572	2569	✓
High 204 →	B.113-2	06:31	6.90	20	6982	116	621	15	2223	2581	✓
	B.116-2	06:49	6.88	21	3231	51	6.7	0.04	2585	2574	✓
	C23.13-8	07:09	6.75	20	2384	230	0.3	0.02	557	562	✓
	B.117-2	07:28	6.94	20	3853	66.4	10.1	0.45	2486	2569	✓
	B.118-2	07:49	6.80	20	5747	100	15.3	0.44	2542	2577	✓
	B.119-2	08:06	6.38	19	2851	65	-0.4	-	2482	2575	✓
High 204 →	B.120-2	08:24	6.65	23	6461	143	542	14	2742	2604	✓
	B.122-2	08:43	6.61	20	3283	64	-0.1	-	2495	2574	✓
	C23.13-9	09:01	6.80	20	2464	226	-0.2	-	564	582	✓
	B.37-2	09:19	6.76	20	3682	55	0.4	0.02	2516	2579	✓
high 204 →	B.128-2	09:38	6.72	20	6507	120	182	4.5	2383	2587	✓

Marked as 74-1 on photos
Name changed to 74-1 in person file (but not in archive copies)

High 204 →

High 204 →

high 204 →