

UWA SHRIMP DATA LOG

Date: **8/9/02** UWA Mount No.: **C11** Whose sample?: **NV** Operator(s): **NM^cN NV RV**

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 2 1 3 2 2

Steel: Wein volts / nA = $337/82v/21$ for O⁻; = $233/56v/4.7$ for O₂⁻; = $189/46v/23$ for NO⁻

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

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** ±

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

Primary-epoxy = **34.8** nA Primary-CZ3 = **5.2** nA PESABM-CZ3 = **88** pA

Raster time (mins): **1** Raster aperture (microns): **70** No. of scans: **6**

Comments:

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?
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	C26-1	9.48	6.06	28	2242	551	0.3	0.01	572 ± 3	558 ± 18	✓
	C26-2	10:07	5.66	31	2123	515	0.4	0.02	566 ± 3	581 ± 27	✓
<i>labelled 1-2 → charge!</i>	C2-1	10:27	5.91	27	8483	395	2.1	0.019	2700 ± 15	2654 ± 5	✓ ²⁴⁶
	C3-1	10:46	5.86	28	2059	92	/	/	2738 ± 23	2697 ± 9	✓
	C26-3	11:06	5.96	28	2313	564	1.1	0.04	585 ± 3	506 ± 25	✓
	C4-1	11.26	5.97	28	4073	181	253	0.49	2704 ± 17	2680 ± 9	✓ ²⁶⁸
	C5-1	11.46	6.21	29	9089	376	543	5.28	2547 ± 42	2634 ± 124	✓ ^X
	C27-1	12.06	5.97	28	2263	569	0.3	0.01	572 ± 3	585 ± 19	✓

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?
	C6-1	12:27	6.50	25	4951	226	2.5	0.04	2668±16	2680±6	✓ 2.68
	C7-1	12:47	6.22	26	4581	202	✓	0.03	2716±17	2686±6	✓ 2.68
save location	CZ7-2	13:06	5.88	29	2310	545	1.1	0.04	584±3	549±22	✓
	C8-1	13:25	5.88	27	4404	206	1.8	0.03	2688±16	2677±6	✓ 2.68
	C7-2	13:44	5.70	29.5	6328	285	0.7	0.01	2679±13	2676±6	✓ 2.68
	C9-1	14:04	5.99	29	6344	266	0.1	0.01	2721±15	2681±5	✓ 2.68
	CZ7-3	14:22	6.27	26	2421	594	1.1	0.04	587±3	531±24	✓
	C10-1	14:42	6.17	28	6882	290	8.7	0.1	2712±13	2678±6	✓ 2.68
	C12-1	15:00	5.57	28	4525	215	1.9	0.03	2725±15	2663±24	✓ 2.66
	C11-1	15:19	6.25	27	5301	236	6.9	0.11	2638±16	2598±7	✓ X
	CZ7-4	15:39	5.95	28	2339	565	—	—	590±3	583±15	✓
(14-1 - too high)	C13-1	15:59	6.11	27	4926	216	1.0	0.02	2706±16	2669±7	✓ 2.66
	C15-1	NOT PRINTED - PRINTER JAM									
	C16-1	16:43	5.92	27	1200	55	2.5	0.16	2748±34	2653±13	✓ 2.66
	CZ7-5	17:02	6.04	27	2377	579	✓	0.045	589±3	572±24	✓
	C17-1	17:21	5.77	28	6053	283	—	—	2668±15	2656±5	✓ 2.66
	C18-1	17:45	5.95	29	4662	210	9	0.16	2604±15	2672±7	✓ 2.68
	C19-2	18:04	5.83	30	3581	146	3.2	0.08	2763±34	2677±115	✓ 2.68
	CZ7-6	18:23	5.96	28	2312	564	✓	0.06	582±3	553±20	✓
	C53-1	18:43	5.83	27	3341	150	✓	0.02	2763±23	2668±8	✓ 2.68
	C54-1	19:01	6.20	27	5067	222	15	0.24	2652±16	2663±6	✓ 2.68
	C55-1	19:21	5.77	29	4163	185	0.0	—	2690	2677	✓ 2.68
	CZ7-7	19:39	5.77	30	2281	541	1.4	0.05	577±3	538±23	✓
366	SDA15-1	20:03	5.72	29	1163	363	1.9	0.014	3573±17	3571±4	✓
	SDA15-2	20:21	6.11	28	1310	388	✓	—	3657	3573	✓

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?
	SDA-1 ²¹⁻¹ SDA-1	20:54	6.27	28	1575	613	12.9	0.07	2799±11	3334±3	✓
	CZ7-8	21:14	5.79	30	2314	544	0.2	0.07	582±3	551±20	✓
	C57-1	21:42	5.79	29	9155	396	1.0	0.01	2769±13	2684±5	✓ 2.68
	C58-1	22:01	6.20	28	4458	184	2.2	0.04	2728±20	2654±7	✓ 2.66
	C56-1	22:19	5.99	26	5109	232	-	-	2776±25	2671±15	✓ 2.68
	CZ7-9	22:37	5.69	31	2330	537	1.8	0.07	591±5	513±32	✓
	C49-1	22:56	5.96	28	3670	162	1.0	0.02	2740±19	2682±7	✓ 2.68
	C48-1	23:15	5.96	28	3045	129	-	-	2791±24	2678±8	✓ 2.68
	C61-1	23:55	6.49	26	3982	170	-	-	2666±33	2683±31	✓ 2.68
	C62-1	23:53	6.33	26	9568	417	6.2	0.05	2701±13	2670±4	✓ 2.67
	C217-10	00:11	5.57	32	2202	531	0.3	0.01	571±3	604±28	✓
	C63-1	00:30	6.17	28	1073	471	16.4	0.13	2622±44	2562±14	✓ X
	C60-1	00:51	6.16	28	3313	140	1.6	0.04	2718±20	2685±7	✓ 2.68
	C29-1	01:22	6.41	28	1001	401	2.0	0.02	2725±15	2673±4	✓ 2.68
	C33-1	01:40	5.99	29	8358	352	0.1	0.001	2707±49	2677±22	✓ 2.68
	C35-1	01:58	5.97	30	8906	367	1.8	0.02	2704±11	2679±4	✓ 2.68
	CZ5-10	02:18	5.66	30	2193	534	✓	✓	582±3	528±24	✓
	C36-1	02:39	6.37	26	8488	359	11	0.11	2748±16	2667±5	✓ X
	C37-1	02:59	5.91	30	7271	301	8.3	0.1	2727±12	2658±5	✓ ✓
	C38-1	03:18	3.16	82	6408	286	0.2	0.04	2215	2666	✓ ok!
	C31-1	03:37	6.44	30	6232	239	1.2	0.02	2651±15	2674±5	✓ 2.68
	CZ5-11	03:56	6.00	27	2317	577	✓	✓	595±3	549±23	✓
	C44-1	04:16	6.00	28	6055	259	3.7	0.05	2737±14	2685±5	✓ 2.68
	C39-1	04:35	5.9	29	3577	149	2.8	0.06	2758±19	2657±9	✓ X
	C42-1	07:54	5.7	27	4636	217	1.5	0.03	2732±71	2677±6	✓ 2.68
	C43-1	05:12	6.2	30	7075	297	11.4	0.14	2535±12	2549±5	✓ X

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?
	C28-1	05:32	5.7	29	2201	538	-	0.01	591±3	556±21	✓
	A7-3	5:52	5.7	31	2658	108	1.4	0.05	2777±26	2642±15	✓
	A10-1	6:10	5.6	32	2014	90	4.5	0.19	2547±22	2679±13	✓
	A8-2	6:34	5.9	27	3624	163	2.5	0.05	2777±19	2666±7	✓
	A14-1	07:02	5.8	30	2832	119	-	-	2788±21	2687±7	✓
	C28-2	07:20	5.8	29	2186	539	-	-	591±3	498±17	✓
	A59-3	07:40	5.8	29	2901	124	0.1	00.03	2775±20	2682±9	✓
	A16-1	07:59	5.78	29	3481	149	7.0	0.16	2755±21	2669±8	✓
	C28-3	08:17	5.96	27	2262	565	1.0	0.03	591±3	578±28	✓
	C28-4	8:38	5.92	25	2121	572	0.4	0.01	588-	594	✓
	A15-1										
	A16-1										
	C2										
	D8-3										
	D13-1										
	D34-1										
	D35-1										
	D11-2										

"a C11.7-3"