

UWA SHRIMP DATA LOG

Date: **8/4/04** UWA Mount No.: **MB-1** Whose sample?: **MB** Operator(s): **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** **0**

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

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = **24** nanosecs expected resolution = >4200 actual resolution = **5747**

aperture = **50** microns retardation lens = **off** 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 = 204-bkg = 204-206 =

206-207 = 206-208 =

Primary-epoxy = nA Primary-CZ3 = **1.9** nA PESABM-CZ3 = pA

Raster time (mins): **20** Raster aperture (microns): **60** No. of scans: **5**

Comments: **-1° a bit noisier.**
- Problem with the intermittent clipping - has continued over the last few days.
*** Note: beam clipping problem has disappeared before starting to analyse. 1° now looks quite stable**

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	Uo ppm <i>Kcps</i>	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Offsets OK?
	CZ3.1-1	15:10	5.41	11.9	12.2k	37.2	1	0.197	563 ± 6	430 ± 88	✓
	CZ3.1-2	15:26	5.48	11.1	12.7k	37.7	2	0.074	568 ± 6	591 ± 53	✓
	gs.1-1	15:45	5.33	12.3	2268	3.29	1	0.198	1203 ± 35	1177 ± 161	✓
	gs.3-1	16:01	5.13	12.3	18.6	10.4	2	0.217	2761 ± 46	2788 ± 16	✓
	CZ3.1-3	16:18	5.46	11.4	12.1k	38.9	1	0.41	531 ± 5	507 ± 79	✓
	gs.4-1	16:35	5.50	12.0	50.7k	26.3	2	0.093	2778 ± 41	2790 ± 12	✓
	gs.5-1	16:53	5.44	11.8	13.6k	7.5	0	0.104	2691 ± 45	2809 ± 24	✓
	gs.6-1	17:09	5.36	11.9	7.5k	10.3	1	(-)	1228 ± 12	1153 ± 84	✓

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?
	gs.7-1	17:25	5.47	12.2	21.7k	11.3	1	0.035	2750±38	2805±12	✓
	cz3.1-4	17:42	5.51	11.3	13.2k	38.9	1	0.16	564±8	544±62	✓
	gs.13-1	18:01	5.66	11.2	6.3k	14.5	1	0.378	706±11	614±90	✓
	cz3.1-5	18:17	5.81	10.9	13k	38.6	1	0.161	557±12	486±79	✓
	cz3.1-6	18:32	5.48	11.3	12.5k	39.5	1	(-)	559±11	493±70	✓
	cz3.1-7	18:47	5.53	11.6	13.3k	40	2	0.024	566±12	619±64	✓
	cz3.1-8	19:02	5.36	12.3	12.8k	40.7	1	0.036	575±11	570±52	✓
	cz3.1-9	19:24	5.51	12.6	13.1k	41.8	0	(-)	548±7	589±61	✓
	gs.15-1	19:44	5.46	12.6	3.2k	1.7	1	0.737	2688±132	2617±45	✓
	gs.16-1	20:01	5.66	12.6	11.4k	6.2	1	(-)	2635±58	2796±20	✓
	gs.14-1	20:18	5.39	12.7	24.7k	13.5	1	0.045	2669±43	2821±15	✓
	cz3.1-10	20:36	5.43	12.9	13.0k	45.5	1	(-)	518±8	628±54	✓
	gs.18-1	20:55	5.34	12.7	7.2k	3.8	1	(-)	2873±128	2808±26	✓
	gs.20-1	21:14	5.13	10.0	10.2k	5.97	1	0.048	2594±92	2804±24	✓
	gs.21-1	21:30	5.52	12.6	15.9k	8.26	0	0.142	2592±138	2697±23	✓
	cz3.1-11	21:48	5.43	13.3	13.6k	45.1	1	0.051	541±7	646±41	✓
	gs.27-1	22:08	5.46	12.0	16.7k	8.1	2	0.317	2864±62	2777±20	✓
	gs.28-1	22:25	5.68	12.6	15.0k	7.26	2	0.397	2721±78	2782±22	✓
	gs.30-1	22:42	5.38	12.6	7.6k	18.1	1	0.183	742±14	676±92	✓
	cz3.1-12	22:58	5.30	13.8	14.6k	44.5	1	(-)	565±14	679±42	✓
	gs.29-1	23:15	5.30	13.2	9.2k	13.8	1	0.275	1132±24	1044±54	✓
	gs.31-1	23:32	5.38	13.9	13.0k	7.1	2	0.032	2701±58	2791±14	✓
	gs.32-1	23:49	5.46	14.6	4.2k	8.2	0	(-)	836±31	863±115	✓
	cz3.1-13	00:15	5.39	15.1	15.1k	48.9	1	0.194	544±6	608±60	✓
	cz3.1-14	00:33	5.38	12.4	12.1k	40.0	1	0.058	559±6	601±61	✓

Swap names

1^o died at end of last scan dropped ~ 1/4

Rejection over-ride	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?
	cz3.1-15	00:48	5.33	12.1	12.4k	40.6	0	(-)	561 ± 12 572 ± 76	✓
	gs.33-1	01:07	5.33	13.1	3.9k	9.5	1	0.774	743 ± 16 1264 ± 221	✓
	gs.34-1	01:25	5.46	13.2	23.6k	11.2	2	0.249	2963 ± 56 2753 ± 15	✓
	gs.35-1	01:42	5.43	13.1	22.8k	11.7	1	0.129	2844 ± 38 2834 ± 13	✓
	gs.36-1	01:59	5.44	12.9	7.9k	4.3	1	(-)	2684 ± 63 2821 ± 25	✓
	cz3.1-16	02:15	5.45	13.0	14.9k	43.1	1	(-)	567 ± 12 578 ± 61	✓
	gs.37-1	02:31	5.33	12.5	15.9k	34.9	1	0.027	772 ± 12 866 ± 38	✓
	gs.39-1	02:48	5.47	13.7	50.2k	50.6	1	0.116	1609 ± 19 1677 ± 15	✓
	gs.40-1	03:22	5.32	13.4	12.4k	7.0	2	0.271	2643 ± 59 2714 ± 34	✓
	gs.42-1	03:40	5.22	14.3	19.5k	11.7	1	0.196	2634 ± 61 2630 ± 23	✓
	cz3.1-17	03:55	5.49	13.8	15.0k	45.0	1	0.049	588 ± 12 564 ± 78	✓
	gs.43-1	04:13	5.53	15.1	7.2k	23.0	1	0.226	533 ± 8 530 ± 133	✓
	gs.44-1	04:29	5.44	15.8	4.17k	5.74	1	0.549	1183 ± 33 1067 ± 141	✓
	gs.45-1	04:46	5.38	14.0	12.8k	7.2	1	0.103	2657 ± 56 2659 ± 25	✓
	gs.48-1	05:04	5.90	13.6	23.0k	10.9	10	1.06	1626 ± 410 2804 ± 89	✓
	cz3.1-18	05:20	5.41	14.2	15.2k	45.8	1	(-)	560 ± 6 704 ± 44	✓
	gs.50-1	05:37	5.44	14.1	3.0k	5.36	2	(-)	940 ± 22 974 ± 55	✓
	gs.51a-1	05:52	5.55	14.1	17.7k	14.3	1	0.050	1193 ± 62 1258 ± 64	✓
	gs.51b-1	06:08	5.45	13.6	13.2k	7.23	1	(-)	2690 ± 51 2684 ± 14	✓
	gs.51c-1	06:24	5.40	13.7	5.6k	8.20	2	0.578	1136 ± 22 1043 ± 88	✓
	cz3.1-19	06:40	5.38	14.6	15.5k	48.0	1	0.095	558 ± 6 585 ± 62	✓
	gs.55a-1	06:57	5.58	13.9	43.6k	46.6	2	0.195	1507 ± 244 1454 ± 120	✓
	gs.55b-1	07:14	5.34	14.2	11.7k	5.77	0	0.054	2896 ± 54 2805 ± 18	✓
	gs.56-1	07:30	5.32	14.8	22.6k	12.5	0	0.002	2767 ± 53 2822 ± 11	✓
	gs.58-1	07:48	5.41	13.6	23.9k	12.1	2	0.072	2814 ± 48 2791 ± 15	✓

1° dipped by
~ 1/4 during this
analysis!

