

UWA SHRIMP DATA LOG

Date: **30/8/04** UWA Mount No.: **MB-1
C-58** 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** **2**
 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 = **5311**
 aperture = **30** microns retardation lens = 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 = **8.16708** 204-bkg = **0.04893** 204-206 = **2.01**
 206-207 = **~1.004** 206-208 = **~2.008**

Primary-epoxy = **0.32** nA Primary-CZ3 = **0.44** nA PESABM-CZ3 = **14** pA
 Raster time (mins): **2** Raster aperture (microns): **90** No. of scans: **7**

Comments: *Peak shape on printout not brilliant because taken on 30 um Kohler ap.*

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?
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Small 1st spike during scan 2

Time spent investigating good background position.

	CZ3.1-1	11:40	6.44	4.86	5308	238	0	-	572 ± 11	577 ± 44	✓
	CZ3.1-2	12:05	6.22	5.02	5236	227	0	-	571 ± 8	544 ± 56	✓
	CZ3.1-3	12:28	6.27	4.82	5737	550	0	-	564 ± 7	684 ± 58	✓
	CZ3.1-4	13:03	6.29	5.03	5273	545	0	-	572 ± 8	753 ± 56	✓
	JHS3.3-1	14:25	6.28	5.08	9634	174	11.1	0.23	2674 ± 55	2748 ± 21	✓
	JHS3.4-1	14:50	6.33	4.94	1226	22	5.7	0.91	2721 ± 131	2663 ± 85	✓
	CZ3.1-5	15:12	6.13	5.12	5230	29	0	-	549 ± 9	609 ± 52	✓
	JHS3.4-2	15:37	6.45	4.92	3344	64	0	-	2673 ± 76	2741 ± 30	✓

MB-1
C-5P

30/8/04

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Mount/sample No: Date: Page No:

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?
	JHS3.35-1	15:58	6.68	4.90	4692	81	0	-	2667±72	2754±26	✓
	JHS3.9-1	16:22	6.12	5.08	1665	31	8.2	0.92	2759±69	2729±28	✓
	JHS3.5-1	16:46	6.28	4.91	4902	197	12.6	0.54	1279±39	2749±30	✓
	CZ3.1-6	17:07	6.20	4.85	5206	556	4.4	0.16	567±9	551±72	✓
	JHS3.34-1	17:30	6.38	4.88	7213	131	9.7	0.26	2746±56	2709±22	✓
	JHS3.11-1	18:03	6.41	4.98	16914	330	8.2	0.09	2773±20	2595±47	✓
	JHS3.12-1	18:25	6.63	4.85	2977	57	0	-	2721±102	2730±24	✓
	JHS3.14-1	18:49	6.07	4.86	5422	111	0	-	2720±62	2744±22	✓
	CZ3.1-7	19:10	6.26	4.62	5159	557	2.5	0.09	551±9	672±81	✓
	JHS3.20-1	20:20	6.79	4.32	12792	243	0	-	2611±122	2795±36	✓
	JHS3.24-1	20:44	6.01	4.68	6673	132	15.5	0.41	2729±55	2788±23	✓
	JHS3.27-1	21:07	6.39	4.56	6235	121	12.9	0.38	2717±64	2723±24	✓
	CZ3.1-8	21:29	6.36	4.71	4956	558	2.2	2.2	571±9	545±76	✓
	JHS3.36-1	22:22	6.62	4.55	4302	88	0	-	2662±93	2771±20	✓
	JHS3.39-1	22:44	6.55	4.34	25487	509	13.1	0.09	2731±31	2734±12	✓
	JHS3.40-1	23:06	6.40	4.50	4412	100	2.3	0.09	2578±125	2723±50	✓
	CZ3.1-9	23:29	6.30	4.44	5118	579	12	0.42	557±11	391±117	✓
	JHS3.10-1	23:51	6.12	5.21	4.47	117	11.0	0.34	2674±67	2742±25	✓
	JHS3.13-1	00:14	6.74	4.77	4.39	137	0	-	2677±67	2763±16	✓
	JHS3.26-1	00:37	6.49	4.73	6353	127	10.8	0.31	2641±71	2736±31	✓
	JHS3.37-1	01:00	6.18	4.20	4929	103	4.5	0.16	2691±77	2760±25	✓
	JHS3.37-2	01:21	6.47	4.44	3057	66	3.0	0.16	2705±187	2832±44	✓
	CZ3.1-10	01:43	6.37	4.41	5185	574	2.3	0.08	551±8	577±77	✓
	JHS3.15-1	02:06	6.09	4.48	3988	87	3.1	0.12	2689±74	2758±40	✓
	JHS3.17-1	02:30	6.35	4.42	14212	282	5.4	0.07	2726±39	2769±15	✓

Aborted a few analyses →

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