

UWA SHRIMP DATA LOG

MB + SM

Date: ~~26/9/04~~ 29/9/04  
 UWA Mount No.: 04-84, 03-46  
 Whose sample?: NV  
 Operator(s): ~~McN + AF~~

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 = -5668/23.0 for O<sup>-</sup>; = -4155/4.8 for O<sub>2</sub><sup>-</sup>; = -3551/5.1 for NO<sub>2</sub>

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4466

aperture = 100(?) 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 = 8.173 204-bkg = 0.045 204-206 = ~2.007

206-207 = ~1.003 (13) 206-208 = ~1.003

Primary-epoxy = 1.5 nA Primary-CZ3 = 2.0 nA PESABM-CZ3 = \_\_\_\_\_ pA

Raster time (mins): 2.0 Raster aperture (microns): 100 No. of scans: 87

Comments: - Peak shape is horrible  
 - Sensitivity is shit. → checked multiplier gain, looks ok  
 → Mike W. gate had 24.0 yesterday and we are using his 1<sup>st</sup> and secondary settings.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
●	C23.1-1	12:16	5.64	8.7	760	550	5	0.19	563±7	584±42	✓
●	C23.1-2	12:40	5.69	11	1200	550	2.2	0.08	564±4	566±33	✓
	0484 Z.1-1	13:11	5.74	12	3000	375	3.6	0.06	1765±13	1798±15	✓
	0484 Z.1-2	13:32	5.76	12	3200	409	5	0.07	1785±15	1804±11	✓
●	C23.1-3	13:54	5.56	12	1200	559	0.6	0.02	565±4	611±30	✓
	0484 B.1-1	14:37	5.85	12	4800	391	47	0.47	2517±16	2625±9	✓
	0484 B.2-1	14:58	5.64	12	3800	314	5.8	0.07	2569±25	2689±8	✓
	0484 B.2-2	15:20	5.6	13	4300	332	34	0.39	2585±16	2674±9	✓

Mount/sample No: 04-84

Date: 29.09.04

Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sup>206</sup> %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
●	c23.1-4	15:40	5.67	12	1200	562	1.3	0.05	570±4	541±28	✓
0484	B.3-1	16:06	5.91	12	8900	678	36	0.2	2581±14	2672±5	✓
0484	B.4-1	16:33	5.59	12	3500	329	90	1.11	2405±17	2616±11	✓
0484	B.5-1	—	—	high	204	—	—	—	—	—	—
0484	B.6-1	17:06	5.61	12	4200	381	12.5	0.13	2441±17	2638±8	✓
0484	B.7-1	—	—	high	204	—	—	—	—	—	—
0484	B.8-1	17:35	5.86	12	5400	458	36	0.31	2544±21	2620±10	✓
●	c23.1-5	17:59	5.67	13	1300	548	1.8	0.07	569±5	570±31	✓
0484	B.9-1	18:21	5.61	12	3600	305	3.8	0.05	2576±26	2682±7	✓
0484	B.10-1	18:43	5.72	12	4700	396	9.6	0.09	2545±17	2616±9	✓
0484	B.11-1	—	—	high	204	—	—	—	—	—	—
0484	B.12-1	19:12	5.82	13	5200	397	7.7	0.76	2482±15	2637±7	✓
0484	B.13-1	19:34	5.78	13	5700	417	7.3	0.06	2655±15	2669±5	✓
●	c23.1-6	19:56	5.68	13	1300	548	3.2	0.12	562±5	486±40	✓
0484	B.14-1	20:17	5.8	12	3800	308	25	0.32	2513±19	2619±10	✓
0484	B.15-1	20:39	5.85	12	4200	375	18	0.2	2371±22	2554±8	✓
0484	B.16-1	21:03	5.41	13	5200	460	8	0.07	2474±15	2588±9	✓
0484	B.17-1	21:24	5.95	13	4900	419	41	0.42	2316±17	2575±9	✓
0484	B.18-1	—	—	high	204	—	—	—	—	—	—
0484	B.18-2	21:51	6.06	9.9	6900	761	47	0.28	2234±13	2317±7	✓
●	c23.1-7	22:14	5.67	13	1300	542	3.7	0.14	556±4	577±36	✓
0484	B.19-1	22:42	5.49	12	460	39	4.8	0.45	2674±49	2680±24	✓
0484	B.19-2	23:04	6.12	11	5800	569	45	0.36	2181±12	2520±7	✓
0484	B.20-1	—	—	high	204	—	—	—	—	—	—
0484	B.21-1	23:39	6.02	13	6600	502	66	0.52	2467±16	2562±8	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	0484 B.22-1	0:00	5.97	12	6700	580	32	0.24	2362±13	2467±6	✓
●	c23.1-8	00:21	5.72	12	1200	546	1.6	0.06	558±5	602±34	✓
	0484 B.23-1	00:41	5.76	13	4000	314	45	0.56	2495±20	2590±11	✓
	0484 B.24-1	01:01	5.8	13	1500	118	4.6	0.15	2558±33	2682±10	✓
	0484 B.24-2	1:24	5.88	12	5000	398	74	0.69	2608±15	2655±10	✓
	0484 B.25-1	1:49	6.05	12	6100	500	20	0.16	2422±12	2543±7	✓
	0484 B.26-1			high	204						
	0484 B.26-2	2:19	6.6	10	10000	1057	85	0.4	2034±44	2113±7	✓
●	c23.1-9	2:40	5.52	13	1300	539	0.1	0.004	570±NA	611±NA	✓
	0484 B.27-1	3:05	5.95	12	5400	497	59	0.51	2294±12	2497±9	✓
	0484 B.28-1	3:27	6.01	13	5500	394	7.2	0.07	2548±15	2629±6	✓
	0484 B.29-1	3:49	5.73	13	5100	306	12.4	0.12	2542±18	2574±8	✓
	0484 B.30-1	4:10	5.57	13	5900	497	29	0.22	2527±12	2654±8	✓
	0484 B.31-1	4:51	5.76	12	5000	463	16.4	0.15	2341±15	2570±7	✓
c23.1-10	1-10	5:17	5.57	14	300	541	2.4	0.16	2505±6	2524±29	✓
	0484 B.32-1	5:40	4.79	13	3600	371	45	0.47	2536±21	2645±9	✓
	0484 B.32-2	7:17	5.02	13	3500	332	6.3	0.07	2565±24	2643±8	✓