

UWA SHRIMP DATA LOG A

Date: 23/12/04      UWA Mount No.: 03-116      Whose sample?: MEB/ARC DISC      Operator(s): AP/NMcN

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

resin  
Steel: Wein volts / nA = 91V/7.8 for O<sup>-</sup>; = 64V/3nA for O<sub>2</sub><sup>-</sup>; = 53V/4nA for NO<sup>-</sup>

dead-time = 24 nanosecs      expected resolution = >4200      actual resolution = 5091

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 = 8.173    204-bkg = 0.045    204-206 = 1.998

206-207 = 1.003    206-208 = 2.003

Primary-epoxy = 3.5 nA    Primary-CZ3 = 4.8 nA    PESABM-CZ3 = 64 pA

Raster time (mins): 2    Raster aperture (microns): 120    No. of scans: 6

Comments:  
 116A: } alternate → if 1° stable & calibration good (ie std ages tract) → 5 unks to 1 std.  
 116C: }

std 1.7660  
 Pb/U = 0.1891  
 U/U = 5.8917

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?
✓	C2.5-1	12:15	5.89	25	2700	551	0.1	0.00	564 ± 3	542 ± 22	✓ 16.2
✓	C2.4-1	12:33	5.66	26	2400	523	0.8	0.03	543 ± 4	565 ± 24	✓ 15.3
✓	A.C.1-1	12:53	5.65	25	1100	40	2.5	0.21	2783 ± 36	2820 ± 19	✓ 16.0
✓	A.1-1	13:13	5.90	24	7200	221	0.5	0.01	3171 ± 21	3222 ± 4	✓ 15.5
✓	C2.6-1	13:32	5.91	24	2500	567	0.3	0.01	544 ± 3	551 ± 20	✓ 15.6
✓	A.2-1	13:50	5.79	24	4300	175	1.3	0.03	2576 ± 17	2676 ± 11	✓ 14.8
✓	A.3-1	14:09	5.79	21	2500	120	2.2	0.07	2520 ± 20	2599 ± 13	✓ 13.5
✓	A.4-1	14:27	5.87	23	3200	139	-	-	2460 ± 24	2524 ± 8	✓ 15.1

should be 8378

focus off!

?

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ 206/238	207/206	Offsets OK?
	C2.6-2	14:45	5.99	24	2600	559	-	-	544 ± 3	585 ± 25	✓ 15.3
	C.2-1	15:04	5.72	24	3900	158	0.5	0.01	2641 ± 19	2779 ± 6	✓ 14.4
	C.3-1	15:22	5.85	25	5600	220	2.0	0.03	2586 ± 18	2721 ± 7	✓ 15.3
	C.4-1	15:40	6.08	24	4200	155	2.6	0.06	2652 ± 18	2727 ± 7	✓ 15.8
	C2.6-3	16:00	5.62	26	2600	563	-	-	552 ± 3	524 ± 16	✓ 14.9
	A.5-1	16:20	5.47	23	2900	113	2.0	0.07	2578 ± 23	2689 ± 15	✓ 13.6
	A.6-1	16:41	5.88	24	6500	181	0.8	0.01	3074 ± 20	3114 ± 6	✓ 16.3
	A.7-1	16:59	4.95	14	1022	78	-2.0	0.11	2385 ± 27	2520 ± 16	✓ 7.7
	A.8-1	17:18	5.59	26	6600	265	8.0	0.13	2265 ± 13	2426 ± 9	✓ 16
	A.9-1	17:38	5.66	26	2000	65	0.9	0.05	2754 ± 26	2802 ± 11	✓ 15.3
	C2.6-2	17:58	5.88	24	2800	520	-0.1	-	558 ± 4	565 ± 14	✓ 16.1
	C.5-1	18:17	5.71	25	5600	177	0.6	0.01	2765 ± 20	2747 ± 8	✓ 15.6
	C.6-1	18:41	5.33	24	10500	358	8.2	0.09	2575 ± 31	2752 ± 33	✓ 13.5
	C.7-1	19:03	5.78	25	8000	257	0.9	0.01	2712 ± 14	2765 ± 5	✓ 16
	C.8-1	19:24	5.57	23	3600	129.3	1.8	0.05	2639 ± 14	2709 ± 10	✓ 13.6
	C.9-1	19:46	5.92	24	19300	629	13.8	0.08	2657 ± 8	2734 ± 4	✓ 15.9
	C2.6-3	20:10	5.77	25	2800	521	-0.6	-0.02	546 ± 4	552 ± 28	✓ 15.7
	A.10-1	20:30	5.57	25	8600	324	0.8	0.01	2443 ± 14	2492 ± 8	✓ 14.6
	A.11-1	20:50	5.66	25	2500	95	0.2	0.01	2504 ± 26	2524 ± 10	✓ 14.9
	A.12-1	21:08	5.76	25	3300	114	-0.1	0	2527 -	2524 -	✓ 15.8
	A.13-1	21:28	5.64	29	5200	177	5.9	0.13	2447 ± 15	2545 ± 10	✓ 17.1
	A.14-1	21:48	5.51	24	4600	191	3.8	0.01	2277 ± 18	2500 ± 9	✓ 14.4
	C2.6-4	22:08	5.77	25	2800	527	1.2	0.05	568 ± 3	535 ± 26	✓ 15.6
	210-1	22:30	5.76	25	84000	124	0.8	0.02	2787 ± 26	2781 ± 8	✓ 15.4
	C.11-1	22:50	5.75	25	13500	434	-0.2	0	2608 ± 13	2668 ± 5	✓ 15.8

should be C.10-1 →

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?

	C12-1	23:14	5-48	24	5600	204	2-6	0-05	2612±24	2702±7	✓ 13-7
	C13-1	23:33	5-74	25	3600	115	-2-1	0-07	2683±21	2715±12	✓ 15-7
	C16-1		High		204		aborted				
	C15-1	00:03	5-61	25	5100	165	11-3	0-25	2688±25	2776±8	✓ 15-3
	C2.4-5	00:24	5-74	24	2700	546	-1-3	-0-05	552±3	592±21	✓ 14-8
	A15-1	00:35	High		204		aborted				
	A16-1	00:53	5-60	25	8900	284	1-3	0-02	2792±14	2881±5	✓ 15-3
	A17-1	01:12	5-74	25	3500	135	-0-2	0	2293±-	2296±-	✓ 15-4
	A18-1	01:30	5-74	25	4600	160	1-3	0-03	2523±21	2531±11	✓ 15-5
	A19-1	01:40	High		204		aborted				
	A20-1	01:59	5-37	24	7100	314	0-3	0	2320±14	2397±6	✓ 13-1
	A21-1	02:19	5-60	27	3400	119	0-3	-0-01	2475±17	2520±7	✓ 16-1
	C2.4-6	02:38	5-85	24	2900	529	0-9	0-03	560±3	547±24	✓ 15-6
	C.16-1	02:56	5-80	25	2300	149	0-1	0	2685±17	2729±9	✓ 15-7
	C.17-1	03:14	5-69	24	9500	296	0-3	0	2804±14	2796±6	✓ 14-9
	C.18-1	03:32	5-79	25	3900	115	1-8	0-05	2823±31	2841±8	✓ 15-9
	C.19-1	03:53	5-82	24	2500	81	0-7	0-03	2620±22	<sup>2795</sup> <del>2800</del> ±11	✓ 15-8
	C.20-1	04:12	5-86	25	3100	93	3-4	0-13	2674±23	2707±10	✓ 16-8
	C2.5-1	04:38	5-59	26	2700	519	0-1	0-004	552±-	602±-	✓ 15-3
	A.22-1	04:58	5-69	26	6300	248	7-4	0-14	2172±15	2308±9	✓ 16-1
	A23-1	05:17	5-62	25	7200	241	0-4	0-05	2678±24	2678±9	✓ 15-2
	A24-1	05:38	5-55	27	10400	314	1-8	0-02	2461±10	2491±6	✓ 15-2
	A25-1	05:58	5-64	24	2200	59	0	0	3147±-	3137±-	✓ 14-7
	A26-1	06:18	5-32	27	7600	255	-0-7	-0-01	2704±15	2757±7	✓ 14-0
	C2.5-2	06:37	5-70	27	3000	513	0-7	0-03	568±4	531±19	✓ 16-4

