

SHRIMP B.

UWA SHRIMP DATA LOG

Date: 22-12-03 UWA Mount No.: B60 & 03-71 Whose sample?: Y1 Operator(s): AP & MG

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\* 40/40\* 10 5 5 2  
Phanerozoic\* Delay time (secs): 7 2 1 4 1 1 3 2 3

Resin Steel: Wein volts / nA = 293 / 1.8 for O<sup>-</sup>; = 4.6 V / 8 nA for O<sub>2</sub><sup>-</sup>; = for NO<sup>-</sup>

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 5583  
aperture = 120 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 = 8.16371 204-bkg = 0.045 204-206 = 2.003  
206-207 = 1.004 206-208 = 2.006

Primary-epoxy = 1.8 nA Primary-CZ3 = 2.1 nA PESABM-CZ3 = pA  
Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 7

Comments: 1.5725 C23-2 Pb/U = 0.2001 Uo/U = 6.1073  
cone std = 1.6777 C23-1 Pb/U = 0.2216 Uo/U = 6.4165

22/12 □ = 0.71 sym = 1  
17 23/12 □ = 0.55 sym = 0.6

1 B60A } granites  
2 E507 = 03-71C }  
3 C33C } sects.  
4 C48C }

Nstd = 24

Rejection over-ride Sample/ Std ID Time - printout UO/U 196 cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

raster 1.5min  
raster 2min  
adj 20.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
X											
	X=7071 C23-1	1:49	6.42	6.6	870	551	2.6	0.10	563 ± 5	531 ± 37	✓ sen = 13
	X=7080 C23-2	2:23	6.90	7.1	900	551	5.0	0.14	563 ± 6	547 ± 42	✓ sen = 12.7
	X=7082 C23-3	2:44	5.90	6.6	790	552	3.5	0.13	549 ± 5	515 ± 42	✓ sen = 10.9
	=7072 C23-4	3:09	6.14	6.8	860	542	6.8	0.26	566 ± 6	506 ± 48	✓ sen = 12.1
	adj 20. → 7072 A.30-1	3:38	6.38	6.5	2100	240	61.4	0.97	2576 ± 28	2672 ± 16	✓ sen = 12.8
	7071 C2.2-4	4:14	7.05	7.3	1000	525	-	-	548 ± 5	545 ± 38	✓ sen 17.4
	7071 C2.3-5	4:37	6.45	7.6	970	520	-	-	557 ± 5	518 ± 32	✓ sen 15.7
	7071 C2.2-5	5:02	6.73	7.5	990	525	0.6	0.02	539 ± 5	598 ± 34	✓ sen 15.4

Rejection override X=	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ 206/238	(Ma) 207/206	Offsets OK?	
										↓		
	7073	C2.1-3	5:28	6.75	7.8	1100	537	-	-	540±5	569±31	✓ sen=17
	7066	A.31-1	6:53	6.62	7.9	680	60	-	-	2641±56	2721±17	✓ sen=16.2
	7070	A.31-2	6:15	7.10	7.5	640	56	1.8	0.12	2592±46	2716±14	✓ sen=16.7
	7073	C2.1-4	6:40	6.52	8.5	1100	527	1.4	0.06	550±5	573±31	✓ sen=16.1
	7063	A.32-1	7:07	6.97	8.5	2400	196	64.2	1.25	2538±26	2657±17	✓ sen=17.5
	7058	A.33-1	7:30	6.48	8.4	760	67	3.2	0.18	2594±45	2665±17	✓ sen=15.4
	7071	C2.1-5	7:52	6.37	8.5	1100	531	1.4	0.06	545±5	570±36	✓ sen=16.2
	7075	A.34-1	8:16	7.13	7.8	3400	285	-	-	2606±25	2670±7	✓ sen=18.7
	7070	A.35-1	8:41	6.97	8.0	1800	147	3.7	0.09	2634±35	2705±9	✓ sen=17.6
	7070	A.36-1	21:04	7.12	8.1	4400	379	40.7	.43	2448±27	2616±9	✓ sen=18.0
	7072	C2.1-6	21:28	6.74	8.6	1200	525	-	-	563±5	569±39	✓ sen=16.5
	7045	A.37-1	21:57	6.41	9.6	2200	173	72.4	1.62	2493±25	2677±14	✓ sen=16.7
	7053	A.38-1	22:30	6.87	9.4	1100	77	-	-	2571±51	2685±16	✓ sen=18.7
	7052	A.39-1	22:44	6.34	10.0	740	55	5.2	.35	2628±49	2700±17	✓ s=16.5
	7084	C2.2-1	23:08	6.38	11.0	1300	519	2.1	.09	551±5	540±31	✓ s=16.5
	7057	A.40-1	23:31	6.47	11.0	3200	258	115	1.95	2255±23	2534±13	✓ s=16.2
	7058	A.41-1	23:52	6.68	11.0	3500	223	-	-	2624±24	2669±7	✓ s=15.7
	7063	A.42-1	00:15	6.56	12.0	4600	321	11.2	.15	2306±18	2564±7	✓ s=17.4
	7071	A.43-1	00:40	6.25	12.0	3100	199	1.7	.03	2580±34	2694±9	✓ s=17.3
	7082	C2.2-6	01:03	6.18	12.0	1400	507	-	-	568±6	607±25	✓ s=16.4
	7075	A.44-1	01:31	6.34	12.0	570	36	1.7	.17	2618±48	2684±20	✓ s=18.0
	7064	A.45-1	01:54	6.30	12.0	2800	190	12.9	.26	2586±42	2680±20	✓ s=16.1
	7059	A.46-1	02:17	6.53	11.0	5300	379	6.0	-	2641±21	2677±5	✓ s=16.7
	7061	A.47-1	02:39	6.20	12.0	2800	194	2.0	.04	2581±26	2652±10	✓ s=16.4
	7085	C2.2-7	03:01	6.28	11.0	1400	520	-	-	562±6	592±18	✓ s=16.4

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?	
Focus (x)												
	7063	B60A.481	03:25	6.85	11	4900	389	11.6	.14	2160±37	2425±7	✓ sens=17.9
	7061	A49-1	03:47	6.77	11	4200	275	4.9	.07	2569±18	2649±8	✓ sens=18
	7059	AS0-1	04:08	6.18	12	430	27	6.1	.78	2728±54	2665±31	✓ sens=16.4
	7055	AS1-1	04:30	6.40	11	520	339	105	1.13	2624±76	2686±25	✓ s=17.2
	7072	C2.1-7	04:52	6.86	10	1400	532	-	-	550±14	580±33	✓ s=16.8
	7050	AS2-1	05:14	6.20	11	2200	157	.9	.02	2619±24	2658±11	✓ s=16.2
	7056	AS3-1	05:36	6.23	11	3700	255	20.7	.30	2626±19	2660±11	✓ s=17.0
	7051	AS4-1	05:57	6.39	11	3200	223	3.9	.07	2548±20	2676±6	✓ s=16.9
	7048	AS5-1	06:19	6.52	11	7000	465	116	.94	2586±16	2598±7	✓ s=17.3
	7077	C2.4-1	06:41	6.40	11	1300	504	-	-	567±5	572±37	✓ s=15.7
	7076	AS6-1	07:05	6.62	10	3300	234	-	-	2578±34	2643±10	✓ s=16.6
	7075	AS7-1	07:27	6.09	11	2500	185	28	.56	2622±25	2659±17	✓ s=15.9
	7065	AS8-1	07:51	6.06	11	3000	220	162	2.8	2553±22	2626±17	✓ s=15.4
	7054	AS9-1	08:16	6.55	9.5	3100	227	40.4	0.07	2677±26	2659±8	✓ s=15.5
	7074	C2.5-1	08:43	6.56	11	1400	513	-	-	546±5	584±17	✓ sens 16.6
	7235	C2.3-2	09:05	6.27	11	1400	498	2.7	0.11	573±4	568±26	✓ sens 16.4
	7234	C2.5-1	10:27	6.37	11	1400	514	1.6	0.06	585±5	514±29	✓ sens 16.6 disc.
	7238	C.1-1	10:52	6.89	11	760	474	26.2	0.21	2687±22	2848±4	✓ sens 18.8
	7237	C.2-1	11:23	6.62	11	4800	264	12.2	0.15	2929±26	2978±5	✓ sens 18
	7237	C.3-1	11:45	6.73	12	6300	320	29.2	0.29	2986±20	2999±5	✓ sens 18.6
	7234	C2.6-1	12:08	6.50	12	1500	501	-	-	574±5	645±29	✓ sens 17.8
	7236	C.7-1	12:30	6.57	12	6300	362	13.9	0.13	2750±20	2936±4	✓ sens 17.5
	7236	C.5-1	12:52	6.36	12	3800	206	75.9	1.22	2848±21	2994±14	✓ s 17.4
	7236	C.6-1	01:14	6.37	12	3600	196	35.7	0.58	2969±22	3002±33	✓ s 16.9
	7235	C.4-1	01:48	6.55	12	5400	284	36.5	0.43	2858±19	2987±6	✓ s 18.8

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change to 4-1 ✓  
change to 7-1 ✓

Rejection over-ride focus (x)	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?
	7234 C2 7-1	2:10	6.26	12	1400	499	2.0	0.08	562 ± 5	579 ± 33	✓ sam = 16.7
	7234 C. 8-1	2:33	6.53	11	4800	271	7.3	0.09	2897 ± 19	2943 ± 8	✓ sam 17.2
	7234 C. 9-1	2:54	6.35	12	7100	386	4.7	0.04	2995 ± 15	3006 ± 4	✓ s 16.9
	7237 C. 10-1	3:19	6.89	12	6100	336	13.0	0.14	2707 ± 18	2861 ± 5	✓ s 18.6
	7235 C. 11-1	3:58	6.64	12	6400	356	39.3	0.37	2830 ± 20	2938 ± 8	✓ s 17.4
	7236 C2 1-2	4:20	6.18	12	1500	500	1.5	0.06	593 ± 5	587 ± 31	✓ 16.6
	7235 C2 12-1	4:43	6.08	12	3600	225	7.2	0.11	2716 ± 31	2973 ± 8	✓ 15.7
	7245 C2 13-1	5:05	6.15	13	2200	110	68.9	1.89	3053 ± 45	2984 ± 17	✓ 16.1
	7241 C2 14-1	5:29	6.50	13	5500	270	2.6	0.03	2924 ± 18	2985 ± 5	✓ 19.0
	7241 C2 15-1	5:50	6.23	13	6300	314	53.9	0.56	2910 ± 18	2985 ± 6	✓ 17.0
	7233 C2 5-2	6:12	6.59	13	1800	533	1.0	0.04	575 ± 7	538 ± 29	✓ 17.2
	7241 C2 16-1	6:35	6.30	14	4800	283	3.8	0.06	2426 ± 23	2833 ± 6	✓ 17.4
	7246 C2 17-1	6:58	6.48	13	5800	298	34.2	0.40	2787 ± 25	2926 ± 7	✓ 17.2
	7243 C2 18-1	7:21	6.58	14	7900	411	45.1	0.42	2560 ± 15	2883 ± 6	✓ 18.5
	7234 C2 8-1	7:43	6.18	14	1700	501	0.7	0.03	587 ± 6	521 ± 30	✓ 17.1
	7243 C. 19-1	8:06	6.12	16	6100	289	21.9	0.27	2743 ± 18	2925 ± 5	✓ 18.3
	7243 C. 20-1	8:27	6.46	13	9400	488	44.1	0.32	2739 ± 16	2995 ± 4	✓ 17.2
change to 9-1	72 C2 9-1	20:49	6.16	14	1600	489	0.3	0.01	575 ± 4	551 ± 25	✓ 17.4