

UWA SHRIMP DATA LOG

Date: 13/7/02 UWA Mount No. C-38 Whose sample? McW Operator(s) McW + BS

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 30/40 10 5 5 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 321/78V/2.25 for O⁻; = 218/53V/0.5 for O₂⁻; = 177/42V/7.8 for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4885

aperture = 70 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 = 8.168 204-bkg = 0.045 204-206 = 2.000 ± 6

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.7 nA Primary-CZ3 = 2.2 nA PESABM-CZ3 = 36 pA

Raster time (mins): 2 Raster aperture (microns): 70 No. of scans: 6

Comments: Priority B, C, A, D
 1 2 3 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?

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C2.1-1	10:37	6.82	12	1200	238	-0.4	-	572 ± 5	565 ± 22	✓
	C2.1-2	10:56	6.63	12	1200	239	0.9	.07	576 ± 4	509 ± 45	✓
	B.1-1	11:16	6.85	11	26	119	-1.1	-	27 ± 1	738 ± 172	✓
	B.2-1	11:36	6.88	12	40	163	0.3	.78	28 ± 1	213 ± 873	✓
	C2.1-3	11:55	6.79	12	1200	244	1.1	-.09	573 ± 4	571 ± 39	✓
	C.1-1	12:23	6.75	13	4900	186	2.5	-.05	2480 ± 44	2471 ± 6	✓
	C.2-1	12:41	7.05	11	5800	341	4.5	-.07	1777 ± 35	1700 ± 17	✓
	C2.1-4	13:15	6.50	14	1200	229	-	-	574 ± 4	574 ± 34	✓

HV OFF 4 SAMPLE CHANGE

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?	
	C.3-1	13:33	6.85	1.4	5800	294	3.0	.06	1717±62	1719±20	✓	
	C.4-1	13:55	6.67	1.6	7800	245	3.8	.06	2445±12	2436±12	✓	
	C.5-1	14:14	6.68	1.6	5000	153	10.4	.27	2456±16	2464±7	✓	
	C.6-1	14:32	6.81	1.6	6300	196	1.2	.62	2442±14	2434±7	✓	
	C.7-1	15:11	6.64	1.6	4800	153	1.2	.03	2459±24	2476±7	✓	
	C.8-1	15:29	6.55	1.6	7200	226	1.5	.03	2526±35	2454±5	✓	
	C.9-1	15:48	6.58	1.6	7600	257	6.4	.10	2359±10	2387±5	✓	
	C.10-1	16:05	7.30	1.4	1000	301	7.3	.09	2574±48	2477±5	✓	
	C.2-1	16:24	6.58	1.5	1500	235	-	-	576±3	601±29	-	
	C.7-1	15:11	6.64	1.6	4800	153	1.2	.03	2459±24	2476±7	✓	
	C.8-1	15:29	6.55	1.6	7200	226	1.5	.03	2526±35	2454±5	✓	
	C.9-1	15:48	6.58	1.6	7600	257	6.4	.10	2359±10	2387±5	✓	
	C.10-1	16:05	7.30	1.4	1000	301	7.3	.09	2574±48	2477±5	✓	
	C.2-2	16:24	6.58	1.5	1500	237	1.5	.12	592±4	509±34	✓	
	A.1-1	16:59	6.75	1.4	2900	108	5.2	.21	2316±17	2477±10	✓	
	A.2-1	17:17	7.23	1.3	4200	247	13	.40	1395±8	2422±10	✓	
	A.3-1	17:41	6.53	1.4	2700	100	1.9	.08	2495±19	2444±11	✓	
	A.4-1	18:02	6.58	1.4	2500	91	1.8	.08	2462±22	2465±9	✓	
	A.2-3	18:21	6.69	1.3	1300	240	-	-	577±4	624±32	✓	
	D.1-1	18:41	7.06	1.4	2000	66	2.0	.12	2523±30	2991±9	✓	
	D.2-1	18:56	6.84	1.4	200	36	0.7	.07	3164±54	3184±9	✓	
	D.3-1	19:17	6.82	1.4	2000	61	2.2	.13	2708±32	2735±10	✓	
	D.4-1	19:35	6.61	1.4	700	22	2.3	.37	2741±55	2767±21	✓	
	C.3-1	19:54	6.78	1.4	1300	241	0.9	.09	559±4	559±28	✓	
	D.5-1	20:13	7.23	1.3	2800	136	7.3	.30	1324±30	2455±10	✓	
	D.6-1	20:31	6.92	1.4	2300	92	1.1	.05	2180±18	2449±11	✓	
	D.7-1	20:49	6.71	1.3	1100	35	1.3	.13	2706±37	2669±15	✓	
	D.8-1	21:08	6.84	1.3	1900	73	1.1	.06	2448±22	2476±10	✓	
	SESSION TERMINATED											

most 'A' >> U.

most 'D' < U.

moved to c-47.