

UWA SHRIMP DATA LOG

B

Date: 30.11.04
 UWA Mount No.: 04-48, 04-49
 Whose sample?: MEB-ARC Disc, Marco - SE Asia
 Operator(s): AP & Stuart Dunn

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 = 198V / 7.5nA for O⁻; = 142V / 1.9 for O₂⁻; = _____ for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 5547

aperture = 50 microns retardation lens = 0 volts sensitivity = 27.5

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 = 8.167 204-bkg = 0.045 204-206 = 2.009

206-207 = 1.0055 206-208 = 2.009

Primary-epoxy = 1.7 nA Primary-CZ3 = 2.1 nA PESABM-CZ3 = 57 pA

Raster time (mins): 2 Raster aperture (microns): 125 No. of scans: 6

Comments: 04-49 20 counts 206 10 counts 207
 04-48 10 " " 30 " 207.

Calibrant 1.5336
 Pb/U = 0.2428
 Uo/U = 6.4110

04-49 do B ~ 15 & C.
 04-48 do C/D/E NB use new Data Log. - start @ ~ 9 pm.

04-49

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?	
	C2.3-4	13:00	6.41	13	2000	551	0.5	0.02	564 ± 4	551 ± 50	✓	26.6
	C2.3-5	13:18	6.51	13	2000	537	-	-	567 ± 6	451 ± 48	✓	27.0
rim	B.14-1	13:38	6.47	13	100	207	-	-	77 ± 1	-	✓	27.4
core	B.14-2	13:55	5.94	14	94	199	-	-	77 ± 1	-	✓	28.8
	C2.2-6	14:14	6.48	13	2000	541	-	-	549 ± 5	517 ± 39	✓	28.8
	B.15-1	14:32	6.25	13	99	194	-	-	80 ± 1	-	-	27.1
	B.16-1	14:50	6.20	12	130	291	0.1	0.04	78 ± 1	-	-	26.0
	B.17-1	15:07	6.32	12	110	240	1.3	0.80	79 ± 1	-	✓	28.6

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C2 2-7	15:24	6.13	13	1800	536	-	-	567 ± 4	621 ± 46	✓ 25.6
	B.18-1	15:43	6.36	12	74	156	-	-	79 ± 2	-	✓ 28.5
	B.19-1	16:03	6.35	12	92	191	0.7	0.52	80 ± 2	-	✓ 27.3
	B.20-1	16:22	6.27	12	100	234	-	-	79 ± 2	-	✓ 25.7
	C2. 6-3	16:39	6.17	12	1700	532	1.6	0.06	546 ± 7	553 ± 38	✓ 27.0
rim	B.21-1	16:58	6.48	12	67	141	0.2	0.2	77 ± 2	-	✓ 30.7
core	B.21-2	17:15	6.34	13	82	160	1.0	0.9	82 ± 2	-	✓ 29.2
	B. ³⁻² 20-1	17:33	6.29	13	130	259	0.4	0.2	81 ± 1	-	✓ 27.7
	C2. 6-4	17:52	6.24	12	1700	533	0.8	0.03	552 ± 4	500 ± 40	✓ 26.5
	B.22-1	18:10	6.15	13	63	133	2.3	2.5	78 ± 2	-	✓ 27.5
	B.23-1	18:29	6.22	12	62	134	0.8	0.8	78 ± 1.8	-	✓ 26.8
	B.24-1	18:49	6.25	12	60	130	0.8	0.9	77 ± 2.2	-	✓ 27.0
	C2. 6-3	19:09	5.95	13	1700	520	0.8	0.03	552 ± 4	625 ± 42	✓ 26.5
	B.25-1	19:35	5.99	13	120	239	0.4	0.2	80 ± 1.2	-	✓ 27.9
core	B.26-1	19:56	6.18	13	71	149	0.8	0.7	78 ± 2	-	✓ 28.4
rim	B.26-2	20:16	6.23	11	74	178	0.5	0.3	78 ± 2	-	✓ 25.3
	C2. 1-4	20:34	6.24	12	1700	535	1.0	0.04	553 ± 3	559 ± 43	✓ 26.2
	C. 1-1	21:00	6.24	12	89	1931	22.6	1.7	76 ± 1	-	✓ 27.8
	C. 2-1	21:21	6.17	12	1900	4099	50.3	1.8	79 ± 1	-	✓ 26.3
	C. 3-1	21:40	6.78	11	3900	7518	6.1	1.1	86 ± 1	-	✓ 29.3
	C2. 1-5	21:58	6.00	13	1700	522	2.0	0.08	549 ± 4	570 ± 34	✓ 26.0
	C. 4-1	22:18	6.44	12	1700	3401	76.6	3.0	80 ± 1	-	✓ 27.0
	C. 5-1	22:37	6.40	12	2500	5165	29.5	0.8	81 ± 1	-	✓ 28.1
	C. 6-1	23:07	6.22	13	440	955	24.5	4.0	75 ± 1	-	✓ 29.0
	C2. 1-6	23:24	6.12	11	1600	537	0.1	0.004	550 ± 4	646 ± 47	✓ 24.2

Followed by 04-48