

C117 A B C E F G H I K L M N O  
 C118 A B C D E F G H I J K L M N O P  
 1 1 4 2 1 1 1 1 1 2 1  
 1 2 1 2 1

UWA SHRIMP DATA LOG

Date: 18/01/03 UWA Mount No.: C117, C118 Whose sample?: DAV Operator(s): IRF/DAV

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 10 5 5 2  
 Phanerozoic\* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = ..... for O<sup>-</sup>; = ..... for O<sub>2</sub><sup>-</sup>; = ..... for NO<sup>-</sup>

dead-time = 2.4 nanosecs expected resolution = >4200 actual resolution = 4780  
 aperture = 30 + microns retardation lens = HV-3 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 = 10.170 204-bkg = 0.045 204-206 = ~2.000  
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = ..... nA Primary-CZ3 = 1.3 nA PESABM-CZ3 = 21 pA

Raster time (mins): 2 Raster aperture (microns): 30 No. of scans: 6

Comments: Std on SPS-3

① MGI  
 ② 348 ENO1  
 ③ 851

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb cps	f <sub>206</sub> %	Age ±1σ (Ma)	Offsets OK?
									206/238 207/206	
	C117 → MGI-2-1	12:05	9.75	153	1.5	238	0.0		0.61 0.06	✓
	C117F1	12:35	11.3	77	56	257	0.4		2.48 0.095	✓
	C117F2-1	12:59	10.8	73	46.4	270	0.4		1.9 0.093	✓
	C117F3-1	13:22	11.3	78	71.9	308	1.2		2.64 0.098	✓
	C117F3-2	13:44	11.3	80	69.9	305	1.0		2.59 0.097	✓
	C117G1-1	14:09	11.4	81	74	300	1.5		2.8 0.098	✓
	C117G1-2	14:33	10.6	101	56	299	0.8		2.04 0.093	✓
	C117I1-1	15:05	9.4	95	50	319	0.3		1.47 0.091	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U <sup>235</sup> ppm	204Pb ppb	f206 %	Age ±1σ (Ma)	Offsets OK?	
						254	254		206/238	207/206	
✓	XEN01.2-1	15:29	10.5	126	56.2	351	0.1		1.69	0.07	✓
✓	MG1.2-2	15:51	9.8	139	1.4	229	0.0		0.6	0.06	✓
✓	C117KH	16:16	11.1	88.3	68	395	0.7		1.9	0.092	✓
✓	C117LI-1	16:41	9.8	88.2	50.6	272	0.9		1.8	0.095	✓
✓	C117HI-1	17:36	11.2	89.6	119.8	442	1.0		3.0	0.0995	✓
✓	C117MI-1	18:02	10.6	97	97	408	1.4		2.5	0.098	✓
✓	C117NI-1	18:29	10.17	100	35.6	282	0.7		1.28	0.091	✓
✓	C117NI-2	18:50	10.2	99	36	291	0.6		1.26	0.089	✓
✓	XEN01.2-2	19:13	10.7	130	60	375	0.1		1.73	0.07	✓
✓	XEN01.2-3	19:36	10.3	126	55	358	0.2		1.58	0.07	✓
✓	MG1.2-3	20:01	10.06	160	1.1	18.6	0.0		0.6	0.06	✓
✓	C117OI-1	20:28	10.03	102	68	352	1.0		1.9	0.095	✓
✓	C117BI-1	20:56	10.7	104	127	461	0.6		2.94	0.096	✓
✓	MG1.2-4	<del>22:29</del> <del>22:29</del>	<del>10.7</del>	<del>108</del>	<del>1.09</del>	18.5	0.1		0.58	0.056	✓
✓	C118FI-1	23:10	11.2	99	171	545	0.4		3.54	0.098	✓ 1620
✓	C118FI-2	23:32	10.56	103	102	394	0.4		2.73	0.098	✓ 1620
✓	C118EH	00:05	10.4	83	22	310	0.9		0.74	0.089	✓ 1620
✓	BS1.2-1	00:39	9.9	110	0.2	3.1	0.0		0.59	0.06	✓
✓	C118HI-1	01:07	9.0	117	6.1	43.7	2.0		1.27	0.096	✓ 1535
✓	C118HZ-1	01:30	7.8	102	4.1	28.1	2.1		1.14	0.098	✓ 1587
✓	C118GI-1	01:56	9.7	93	50.5	331	0.4		1.47	0.09	✓ 1502
✓	C118EI-1	02:19	8.2	118	5.7	38	0.9		1.24	0.098	✓ 1620

labelled "MG1.2-2"

sample change C118

communication error with beam-computer not controlling it → turned HV off then on

computer error

\* \* \* C117EI-1 | 21:18 | 11.2 | 97 | 152 | 4.83 | 0.5 | 3.52 | 0.097 | ✓