

Follow on from 99-61B

UWA SHRIMP DATA LOG

Date: 16-17/1/00 UWA Mount No.: 99-61 Whose sample?: Neal Operator(s): McN + AP

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 = 64V/14.0 for O⁻; = 42V/1.1 for O₂⁻; = 32V/2.5 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4678

aperture = microns retardation lens = 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 = 8.170 204-bkg = 0.045 204-206 = 2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.0 nA Primary-CZ3 = 2.9 nA PESABM-CZ3 = 54 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments:

C: 71 onwards not imaged

NO₂⁻ peak

Rejection <u>over-ride</u>	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?
	SLS-2	6:43	4.85	35.9	1237	220	-ve	-ve	572 ± 1 529 ± 21	✓
corrected.	SLS-3	7:01	4.84	35.5	1255	222	1.0	-0.2	587 ± 1 530 ± 22	✓
Scan 4	C.59-1	7:19	4.85	32.7	2600	86	1.9	-0.6	2830 ± 10 2617 ± 8	✓ discord
Scan 1	C.63-1	7:37	4.83	33.6	3255	110	5.7	-1.4	2738 ± 8 2599 ± 7	✓ "
	C.62-1	7:54	4.80	34.5	1706	57	2.7	-1.2	2790 ± 12 2647 ± 10	✓ BINGO
	SLS-6-1	8:12	4.83	34.4	1227	225	1.7	-0.2	592 ± 1 575 ± 22	✓
	C.71-1	8:29	4.78	33.6	1994	69	2.8	-1.0	2821 ± 11 2597 ± 9	✓
	C.67-1	8:47	4.72	34.1	2044	73	3.8	-1.3	2833 ± 11 2578 ± 9	✓

NB: 248 on 2 secs!

corrected. 124 Zr₂₀

discord

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BINGO

