

7/4/00

UWA SHRIMP DATA LOG

Date ~~7/4/00~~ UWA Mount No. A-09 Whose sample? MD Operator(s) McW + MD

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 = ~~32V/3.1~~ for O⁻; = 4.8V/1.8 for O₂⁻; = 3.8V/3.8 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5100

aperture = ? 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 = 1.999

206-207 = 1.000 206-208 = 1.999

Primary-epoxy = 1.8 nA Primary-CZ3 = 2.4 nA PESABM-CZ3 = 31 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 5

Comments:

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?
	S/1-1	11:07	6.75	9.8	997	220	1.1	.09	572 ± 1	531 ± 46	✓
	S/1-2	11:23	6.74	10.0	1049	222	1.7	.14	585 ± 1	493 ± 47	✓
	B.48-1	11:38	6.46	10.1	279	113	2.3	.65	351 ± 1	397 ± 153	✓
	B.49-1	11:52	6.65	10.4	270	125	-0.7	/	274 ± 1	392 ± 86	✓
	S/1-3	12:07	6.95	10.5	1185	212	2.4	.20	597 ± 1	513 ± 45	✓
	B.50-1	12:24	6.98	10.5	796	253	0.9	.12	342 ± 1	280 ± 68	✓
	B.51-1	12:41	7.04	9.8	442	147	3.8	.86	336 ± 1	34 ± 130	✓
	S/1-4	13:00	7.02	10.5	1202	209	0.3	.02	599	—	✓

Arc dropped out → X2 8 prob. mid-anal.

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

Restarted
4:15pm.
Arc out
again !!

>	S.1-5	16:30	7.04	8.9	943	195	3.4	.30	586 \pm 2	413 \pm 64	.001 d.f f.o.o ✓ 204/206 -

LOST