

UWA SHRIMP DATA LOG

Date: 18/8/00 UWA Mount No.: A-07 Whose sample?: Smic B Operator(s): IF

Indicate any change to the following: 196 204 bkg 206 207 208²⁰⁹ 238 248 254 270

Precambrian Count time (secs): 2 2 ✓ 10 ✓ 10 ✓ 10/20 ✓ 30/40 ✓ 10⁵ 2 5 ✓ 2 ✓ 2 ✓
 Phanerozoic* Delay time (secs): 6 8 ✓ 3 ✓ 1 ✓ 2 ✓ 1 ✓ 1-1 3 ✓ 2 ✓ 2 ✓

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

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

aperture = 30 microns retardation lens = 10014 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: ¹⁴⁴196-204 = ~~10.166~~ 10.166 204-bkg = 0.045 204-206 = 1.998

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary ~~epoxy~~ ^{wt} = 0.24 nA PESABM-CZ3 = pA

Raster time (mins): ~3^x Raster aperture (microns): 70 No. of scans: 6

Comments: * extra measurement
 ① Reshaped spot slightly 2.155y.a measurement (down-hole)
 note on 98-13 SHRIMP SECTIONS SB grain label

2/70
 2/30
 2/70
 ①

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196f Kcps	206 cps	UO ppm Kcps	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	wt-12-1	15:06	8.94	17.9	7677	20.7	0.1	0.02	3.31	2648	✓
	wt-12-2	15:25	9.82	18.9	18000	40.9	0.2	0.02	4.32	2641	✓
	wt-12-3	15:49	9.59	16.0	16,000	39.5	0	-	4.28	2631	✓
	2.155y.a	16:27	8.90	17.8	1087	2.9	0.0	0.02	3.31	2650	✓
	b	16:44	(8.42)	15.4	832	24	0.1	0.05	(2.88)	2638	✓
Power glitch - Restart											
	wt-16-1	17:50	9.60	15.7	25K	55.6	0.0	0.0	4.37	2634	✓
	2.140y.a	18:20	9.54	12.0	3449	8.1	0.6	0.26	4.03	2643	-

