

28/11/99

UWA SHRIMP DATA LOG

Date: ~~99-22~~ 28/11/99
 UWA Mount No.: 99-22
 Whose sample?: Bucci
 Operator(s): Mc N + AR

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 = 46V/8.7 for O⁻; = 57V/2.4 for O₂⁻; = 80V/14.0 for NO⁻
 dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4678
 aperture = 100 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 = 8.168 204-bkg = 0.045 204-206 = 1.999
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.3 nA Primary-CZ3 = 3.2 nA PESABM-CZ3 = 25 pA
 Raster time (mins): 1/2^x Raster aperture (microns): 100 No. of scans: 6

Comments: * Switched to 2 minute raster

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?
	sl.16-1	11:20	6.99	9.2	1157	220	3.0	.25	571 ± 1	512 ± 37	✓
	sl.19-1	11:39	7.03	9.5	1142	204	7.7	-71	577 ± 1	395 ± 53	✓
	A.1-1	12:01	6.68	9.3	311	20	1.8	.46	1765 ± 16	1718 ± 59	✓
	sl.20-2	12:20	7.09	9.3	1190	211	6.0	.53	582 ± 1	458 ± 53	✓
	A.2-1	12:45	7.13	9.6	1694	83	8.5	.47	1817 ± 7	1900 ± 17	✓
	A.3-1	13:05	7.66	9.2	4.3K	196	181	4.76	1601 ± 5	1823 ± 28	✓
	A.4-1	13:24	6.94	9.2	2374	132	3.1	.11	1810 ± 6	1785 ± 12	✓
STEP											

1 minute raster
* →

↳ Contaminants!!
 go to 99-20 int.