

UWA SHRIMP DATA LOG

Date: 8/2/01
 UWA Mount No.: C-02, C-05
 Whose sample?: BS/McN
 Operator(s): McN/BS
 01-38, 01-41 DE/KS KS

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 = 351/85V/18.5 for O⁻; = 248/60V/5.5 for O₂⁻; = 205/50V/13 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4379
 aperture = 100? 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 = 2.000 ± 10
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3= nA PESABM-CZ3= pA
 Raster time (mins): 2.0 Raster aperture (microns): 60 No. of scans: 6

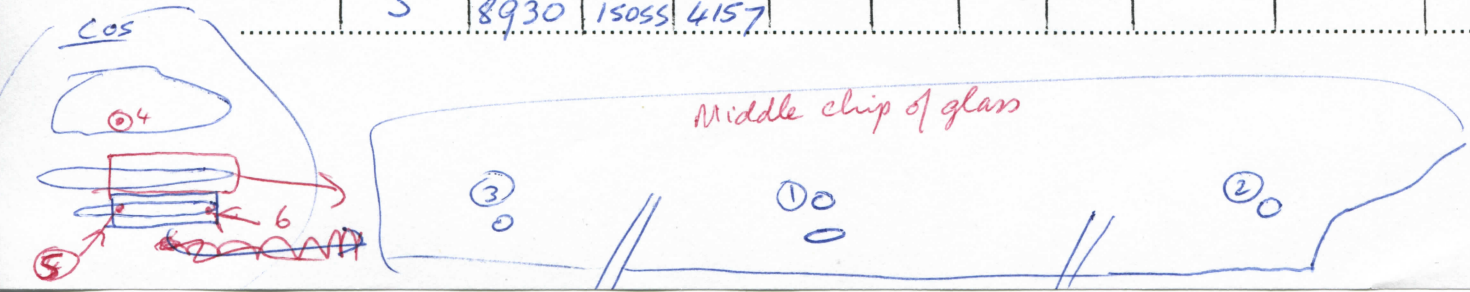
Comments: Allentite (C-02) → Ref peak = 199; changed peak centre time for 238/248/254 to 2.0 sec → all other parameters same as for silica
 Δ199-204 = 5.094.

⊗ changed to 20secs on 206

NB: Primary beam drops consistently during each analysis

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?
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↓ C-02 Allentite	11-1	}								
	11-2									
	8-1									± 208
	8-2									
↓ C-05 glass ⊗		X	y	2			206/206	208/206	204/206	
	1	8891	12392	3997			956/±11	2.200±10	0.06268±23	
	2	8879	11790	3957			960/±6	2.2319±17	0.06201±19	
	3	8930	15055	4157						



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



Rejection over-ride	Sample/Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)	206/238	207/206	Offsets OK?
		<u>x</u>	<u>y</u>	<u>z</u>								
	4	8925	15055	3060								
	5	8940	15055	4810								
	6	8892	12225	4810								

GLASS

	<u>248/238</u>	<u>254/238</u>	<u>206/238</u>	<u>4/6</u>	<u>7/6</u>	<u>8/6</u>
1	5.250 ± 25	5.831 ± 29	.7930 ± 37	.06268 ± 23	.9562 ± 37	2.2001 ± 102
2	5.225 ± 13	5.904 ± 11	.7993 ± 7	.06201 ± 19	.9601 ± 6	2.2319 ± 17
3	5.264 ± 26	5.933 ± 30	.8071 ± 34	.06277 ± 19	.9590 ± 34	2.2218 ± 73
NBS-glass → 4	2.823 ± 10	2.785 ± 10	.2535 ± 10	.05885 ± 35	.9043 ± 53	2.1719 ± 41
⊕ 5	5.388 ± 82	6.009 ± 82	.8238 ± 115	.06279 ± 65	.9532 ± 119	2.2075 ± 294
6	5.3215 ± 123	5.989 ± 65	.8229 ± 22	.06204 ± 23	.9688 ± 24	2.2345 ± 57

⊕ Peaks ~ scan 3 !!