

UWA SHRIMP DATA LOG

Date: 25/2/00 UWA Mount No.: 99-65 Whose sample?: std study
~~Titanite~~ Operator(s): IF/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 2 3
 Phanerozoic* Delay time (secs): 8 / 3 / 1 / 2 - 1 / 1 3 4 4 2 3

Steel: Wein volts / nA = 17 for O⁻; = 3.0 for O₂⁻; = 7.7 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4885

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 = 4.136 204-bkg = 0.045 204-206 = 1.999

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = 3.4 nA PESABM-CZ3 = 120 pA

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: NB: Minor scratches on Au coat. (part on grain "A")
 → One badly scratched patch near A.2 (6 bet A.2 & A.3)
 : More scratches on Au coat over grain "D"

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U <u>20</u>	196 K cps	206 cps	U ₂ ppm K cps	204Pb ppb cps	^{204-corr} f206 %	Age ±1σ (Ma) 206/238 / 207/206	Offsets OK?
	Kh: 1-1	14:05	.953	1777	2557	19.2	1.5	1.0 1.1326	460	✓
	Kh: 2-1	14:23	.979	1968	2049	14.6	1.6	1.4 1.1400	571	✓
	<u>C-1</u>	14:43	.980	2028	5058	5.9	2.7	.73 1.8555	2670	✓
	B-1	15:02	.969	1994	3517	4.1	3.4	1.29 1.849	2708	✓
change → Kh E-1-i	E.1	15:22	.923	1877	3046	22.2	1.7	.94 1.1372	457	✓
	A.1	15:41	.987	2077	4208	4.8	3.9	1.21 1.8748	2667	✓
Next to scratches	A.2	16:01	.930	1779	3881	4.6	2.7	.92 1.8472	2698	✓
	A.3	16:20	.972	1952	4674	5.5	3.8	1.08 1.8502	2691	✓

