

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
14/5/99	UWA 98-76	AMIRA/AGSO	IFAR

Indicate any change to the following: ²⁰⁰ 196 204 bkg 206 207 208 ~~238~~ 248 254 270

Precambrian	Count time (secs):	2 [✓]	10 [✓]	10 [✓]	10 [✓]	30 [✓]	5 [✓]	5	3 ⁸	2 [✓]	5
Phanerozoic*	Delay time (secs):	8 [✓]	3 [✓]	1 [✓]	2 [✓]	1 [✓]	1 [✓]	3	4 ²	2 [✓]	3

expected ²⁰⁰ 196-204 = 8.170 amu expected 204-bkg = 0.043 amu Dead-time = 32 nanosecs

actual ²⁰⁰ 196-204 = 4.134 actual 204-bkg = 0.043 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5350

Primary = 4.5 nA PESABM = pA actual Primary: PESABM (= 50:1) =

Raster time (mins): 2 min Raster aperture (microns): 120 No. of scans: 5

Comments: follows 99-16
2^o Retuned.

Called D.2 in Processing files

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ²⁰⁰		206 cps	UO ₂ 204Pb		f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
			196 Kcps	204 Kcps		ppm Kcps	ppb cps		206/238	207/206	
	kh.2-8	19:12	.775	2.0	1671	12.5	0.5	.50	.134	496	✓
	D.2-1	19:34	.610	1.9	506	.67	1.3	3.2	.755	2686	✓
	D.3-1	19:57	.784	1.9	599	.71	1.8	4.2	.846	2598	✓
	D.27-1	20:18	.761	1.9	488	.57	1.2	3.1	.859	2618	✓
	kh.2-9	20:37	.745	1.7	1537	11.1	0.4	.32	.138	561	✓
	D.6-1	— arc dropped out during analysis → couldn't regain arc regardless of increased pressure. — 10pm gave up									