

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 4/5/96 UWA Mount No.: 96-12 Whose sample?: Yumin Qiu Operator(s): IF + YQ

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

Precambrian Count time (secs): 2 ✓ 10 ✓ 10 ✓ 10 ✓ 30/10 ✓ 10 ✓ 5 ✓ 5 ✓ 2 ✓
Phanerozoic* Delay time (secs): 7 ✓ 3 ✓ 1 ✓ 2 ✓ 1 ✓ 1 ✓ 3 ✓ 2 ✓ 2 ✓

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = nanosecs
 actual 196-204 = 8.168 actual 204-bkg = .041 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.000 actual resolution = 5050

Primary = 2.7 nA PESABM = 40 pA actual Primary : PESABM (= 50:1) = 67
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: ① Computer crash

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	Corr.
	sl 612.5-4	11:01	6.02	20	1800	-	-ve	-	-	528	-
	5-5	11:21	6.17	18.4	1887	-	+ve	.01	-	608	208
	u 612A.2-1	11:56	7.15	<u>15.1</u>	32K	621	565	2.8	2326	2639	204
	sl 5-6	12:14	6.35	17.5	~2K	219	-ve	.16	*	*	208
	5-7	12:35	6.37	17.9	1960	214	0.3	.03	569	545	208
	A-3-1	12:58	<u>9.51</u>	<u>12.8</u>	12K					2536	204
	sl 5-8	13:19	6.24	18.3	1864	recal	0.0	-	-	590	-
	A 4-1	13:40	8.14	11.	9340	745	17K	3.2	634	2264	

* see printout
 ① Data OK - (no cal. values)