

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 27/4/96 UWA Mount No. 96-15 A Whose sample? Marcus Operator(s) IF + MKR

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

Precambrian Count time (secs): 2 10 10 10 20/10* 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 = 32 nanosecs
 actual 196-204 = 8.168 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 2.000 actual 206-208 = 1.999 actual resolution = 4783
 Primary = 3.0 nA PESABM = 4.8 pA actual Primary : PESABM (= 50:1) = 63
 Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 7

Comments: Spot is peanut-shaped, but not over-large; some tail.
 ① Duo I goes back to pre-session setting
 ② increased Duo pressure
 ③ Duo P back to 340, Duo I down a touch
 ④ Aik returned Duo and (m) column

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 65. 1-2	11:44	6.046	18.2	1974	—	2.1	.03	—	606 208
	Del. 1 scan (points 1/2)									
	1-3	12:02	6.14	17.9	1931	210	1.2	.03	570	555 208
	del 1 scan (points 3,4)									
	u 615A. 1-1	12:24	5.83	21.3	476	69	3.8	1.4	424	700±100 204
	1st scan									
	2-1	12:42	6.00	18.4	1140	135	2.0	0.3	551	603 204
	last scan									
	sl 1-4	13:08	6.06	17.7	1911	214	-ve	.04	584	615 208
	my wandering pants 4,5									
	u 3-1	13:27	6.28	17.4	599	63	0.7	0.2	564	481 208
	Big clips in my pants 5,6									
	4-1	13:53	5.88	20.9	438	46	1.2	0.5	575	434 204
	4/3 6/3									
	sl 1-5	14:14	6.01	18.	1908	220	0.6	.02	571	655 208
	my dropping pants 5,6									
	sl 1-6	14:51	6.13	14.1	1565	220	2.9	0.1	564	632 208
	u 5-1	15:11	5.89	18.4	1690	208	1.7	0.2	562	566 204
	4/3 1st ThO pants 4,5									
	sl 2-1	16:25	5.97	19.9	2074	228	5.4	0.7	551	476 208

