

FOLLOWS 98-93

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 21/12/98 UWA Mount No.: 98-74 Whose sample?: OS Operator(s): McN + OS

Indicate any change to the following: <sup>197</sup>/~~196~~ 204 bkg 206 207 208 238 248 254 ~~276~~

Precambrian Count time (secs): 2 10 10 ~~5~~ <sup>5</sup> ~~10~~ <sup>15</sup> ~~10~~ <sup>5</sup> 53 83 2  
 Phanerozoic\* Delay time (secs): 8 3 1 2 1 1 3 2 2

expected <sup>197</sup>196-204 = ~~8.170~~ amu expected 204-bkg = 0.045 amu Dead-time = <sup>32</sup> nanosecs  
 actual 196-204 = <sup>7.142</sup> actual 204-bkg = <sup>0.045</sup> expected resolution = >4200  
 actual 206-207 = <sup>1.000</sup> actual 206-208 = <sup>1.999</sup> actual resolution = <sup>5462</sup>

Primary = <sup>2.8</sup> nA PESABM = ..... pA actual Primary : PESABM (= 50:1) = .....  
 Raster time (mins): <sup>1</sup> Raster aperture (microns): <sup>120</sup> No. of scans: <sup>5</sup>

Comments: "197" = TAO

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U <sup>197</sup> / <del>196</del> Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?		
69	A.77-1	16:26	16.65	7.25	37K	220	268	21.47	452 ± 1	1076 ± 44	OK
28	A.75-1	16:40	15.3	6.76	179K	536	2.5K	30.45	987 ± 1	1768 ± 17	"
12	A.81-1	16:53	10.45	1.27	57K	4401	8.9K	28.91	499 ± 1	1273 ± 40	"
8	A.81-2	17:07	10.57	1K	37K	1872	7.5K	31.40	878 ± 2	1392 ± 50	"
6	A.74-1	17:28	14.4	3.96	26K	388	629	29.02	410 ± 1	1099 ± 65	"
5	A.74-2	17:34	14.76	4.1	25K	328	507	26.85	429 ± 1	1173 ± 60	"
	A.86-1	17:47	18.23	2K	118K	2213	575	5.22	515 ± 0.3	417 ± 15	"