

Follows from 99-03

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 12/4/99 UWA Mount No.: 98-46 Whose sample?: AGSO Operator(s): McN + AR

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
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.166 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 52K

Primary = 3.7 nA PESABM = 41 pA actual Primary : PESABM (≈ 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: Following on from 99-03
 Sensitivity ~ 14

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	S1.1-1	23:25	7.42	12.9	1616	220	±ve	-ve	572 ± 1 554 ± 18	✓
	S1.1-2	23:42	7.34	12.7	1588	227	1.2	.10	572 ± 1 521 ± 25	✓
	B2-1	0:03	7.69	13.5	2810	76.6	55.4	2.5	2131 ± 8 2652 ± 14	✓
	B3-1	0:21	7.39	13.3	2055	539	4.8	.26	2500 ± 10 2633 ± 10	✓
	S1.1-3	0:39	7.13	14.1	1643	231	0.5	.05	566 ± 1 481 ± 30	✓
	B31-1	0:58	7.12	13.9	2199	58	0.6	.03	2612 ± 10 2678 ± 8	✓
	B4-1	1:16	7.20	13.6	1574	42	7.6	.51	2542 ± 12 2658 ± 12	✓
	B5-1	1:34	7.15	13.7	1738	46	1.0	-.06	2612 ± 12 2656 ± 9	✓
	S1.1-4	1:52	7.04	12.6	1483	244	1.1	.09	563 ± 1 626 ± 27	✓
	B32-1	2:11	7.40	13.4	996	2.8	10.9	1.2	2277 ± 13 2619 ± 19	✓
	B33-1	2:30	6.91	13.1	1753	56	0.4	.02	2519 ± 11 2665 ± 9	✓

