

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 29/9/97
 UWA Mount No.: 96-79
 Whose sample?: Alison D + April
 Operator(s): McN + Alison April

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):	78	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 = 8.166 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 1.001 actual 206-208 = 2.000 actual resolution = 4593
 Primary = 3.3 nA PESABM = 4.2 pA actual Primary : PESABM (= 50:1) = 79
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 7

Comments: A = D53157 = Alison D.
 * 1° = low because spot partly on epoxy

See separate log sheet

C = SSD-4 = Andreas Mueller

1.1/6

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	Corr.
	sl. 1-4	9:37	6.19	14.0	1767	220	0.4	.03	572 ± 1	583 ± 23	204
	A. 1-1	9:59	6.64	13.9	6.9K	191	10.2	.23	1866 ± 3	2355 ± 5	"
	sl. 1-5	10:19	6.42	13.7	1902	206	-0.3	-	594 ± 1	531 ± 16	-
	A. 2-1*	10:37	6.17	11.8	7.3K	235	29.0	.42	2287 ± 4	2240 ± 6	204
	A. 3-1*	10:56	6.13	9.96	3.9K	173	96.9	2.16	2007 ± 5	2318 ± 13	"
	sl. 1-6	11:15	6.13	14.0	1821	224	1.9	.15	592 ± 1	492 ± 25	"
	A. 4-1	11:37	6.36	13.5	6.2K	140	3.1	.06	2532 ± 6	2601 ± 5	"
	A. 4-2	11:55	6.41	13.0	6.0K	130	2.7	.06	2668 ± 6	2651 ± 5	"
	sl. 1-7	12:15	6.36	12.9	1796	212	0.3	-.03	597 ± 1	554 ± 19	"
	A. 5-1*	12:35	6.52	11.8	7.0K	196	13.6	.24	2229 ± 4	2379 ± 5	"
	A. 6-1*	12:53	5.33	11.7	2662	120	21.5	.48	2668 ± 9	2623 ± 8	"

