

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 7/6/97 UWA Mount No.: 97-17 Whose sample?: Stu Operator(s): McW

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

Precambrian Count time (secs): 2 10 10 10 30/40 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 = 8.165 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 0.998 actual 206-208 = 1.998 actual resolution = 5216

Primary = 2.9 nA PESABM = 32 pA actual Primary : PESABM (≈ 50:1) = 91
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 5

Comments: E = NG4
 ~ NOON → went to mount 97-12 → return to 97-17 tomorrow

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U (k cps)	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Corr.
	sl. 8-1	9:49	7.10	10.2	824	220	1.8	.15	571 ± 1	579 ± 41	204
	sl. 8-2	10:06	7.05	10.2	827	220	0.8	.07	581 ± 1	591 ± 46	204
	E. 1-1	10:23	7.78	9.3	4.1K	493	1.7	.03	1034 ± 2	1012 ± 12	204
	E. 1-2	10:38	7.20	9.9	4.7K	674	3.5	.05	1005 ± 1	1029 ± 11	204
	sl. 8-3	10:54	7.16	10.3	842	217	-0.1	.03	573 ± 1	569 ± 29	208
	E. 2-1	11:10	7.00	10.3	1403	226	1.0	.05	945 ± 2	971 ± 18	204
	E. 3-1	11:26	6.49	10.3	1196	225	4.9	.22	1007 ± 2	963 ± 30	"
	sl. 8-4	11:41	6.85	9.8	771	238	1.3	.002	566 ± 1	585 ± 30	208
	sl. 8-5	11:50	6.85	9.8	771	238	1.3	.002	566 ± 1	585 ± 30	208
	sl. 8-6	12:00	6.85	9.8	771	238	1.3	.002	566 ± 1	585 ± 30	208

SWAPPED TO MOUNT 97-12 ~ NOON