

Follows on from 97-18

2680

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 13/10/97 UWA Mount No. 97-25 Whose sample? Stu Operator(s) AP & Stu

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 ⁴⁰	10	5	5	2
Phanerozoic	Delay time (secs):	7 ⁸	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 3.2 nanosecs

actual 196-204 = actual 204-bkg = expected resolution = >4200

actual 206-207 = actual 206-208 = actual resolution =

Primary = 2.6 nA PESABM = pA actual Primary : PESABM (≈ 50:1) =

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 7

Comments: C : W98

Standards:
0.37% error
n=8

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (k)	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl 1-1	5:03	5.65	17.5	1718	220	1.0	0.08	572 ± 1	551 ± 29	204
	sl 1-2	5:24	5.63	17.4	1754	223	0.6	0.05	587 ± 1	507 ± 30	204
	c 3-1	5:44	5.71	17.0	1781	39.9	0.4	0.03	2732 ± 12	2691 ± 9	204
	c 4-1	6:05	5.57	17.0	1263	30.6	0.583	6.003	2760 ± 14	2691 ± 9	204
	sl 1-3	6:26	5.64	17.2	1732	223	0.5	0.04	585 ± 1	541 ± 23	204
	c 5-1	6:46	5.85	17.6	810	16.7	1.0	0.16	2646 ± 17	2697 ± 14	204
	c 6-1	7:06	5.62	17.7	1119	25.1	1.2	0.12	2755 ± 15	2702 ± 11	204
	c 7-1	7:26	5.72	16.9	1585	35.7	0.2	6.02	2714 ± 12	2684 ± 8	204
	sl 8-1	7:46	5.67	17.7	1759	221	0.0	0.001	570 ± 1	612 ± 14	204
	c 8-1	8:08	5.63	17.2	909	20.7	0.7	0.08	2762 ± 17	2698 ± 13	204

High volts off
to do sample change

