

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
19/12/97	97-32	Yeats	McN + CY (+AP)

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 = 8.167..... actual 204-bkg = 0.045..... expected resolution = >4200
 actual 206-207 = 1.000..... actual 206-208 = 2.001..... actual resolution = 4774.....

Primary = 5.0 nA PESABM = 66 pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 5

Comments: A = J3

* uses 20secs on 207; thereafter use 30secs.

* During 19-1 had problem $\approx 1^0$ - re-started analysis.

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Corr.
									206/238	207/206	
	sl. 2-1	11:21	6.41	21.6	2004	220	0.1	0.003	572 \pm 1	584 \pm 22	208
	sl. 2-2	11:43	6.40	20.8	1972	227	0.5	0.03	570 \pm 1	582 \pm 22	208
	sl. 2-3	11:58	6.53	20.0	2037	220	1.0	0.005	572 \pm 1	562 \pm 19	"
	A. 1-1	12:15	6.94	20.1	1763	28.9	1.0	0.09	2631 \pm 13	2680 \pm 11	204
	sl. 2-4	12:30	6.52	20.1	1948	214	0.3	0.04	560 \pm 1	523 \pm 20	208
	A. 2-1	12:46	7.32	19.4	2918	42.7	0.0	—	2641 \pm 10	2684 \pm 7	—
	A. 3-1	13:05	6.40	21.3	3.1K	70.3	14.8	0.66	2323 \pm 8	2672 \pm 10	204
	A. 4-1	13:19	6.37	22.3	1065	20.5	0.0	—	2634 \pm 16	2685 \pm 12	—
	sl. 2-5	13:34	6.48	20.8	1969	214	-0.5	0.01	561 \pm 1	553 \pm 19	208
	A. 5-1	13:49	6.51	20.4	4.3K	85.9	-0.1	—	2593 \pm 8	2672 \pm 6	—
	A. 6-1	14:05	6.35	21.7	1291	26.8	2.6	0.27	2543 \pm 14	2684 \pm 14	204

207 = 20.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206		Corr.
	A. 7-1	14:19	7.04	18.2	2138	37.1	1.8	.13	2638±12	2677±10	204
	sl. 2-6	14:34	6.87	19.6	2074	202	-0.3	.03	554±1	571±19	208
	A. 8-1	14:50	7.28	19.7	3.5K	54.8	1.7	.09	2507±9	2684±7	204
	A. 9-1	15:04	7.02	19.4	2062	34.8	-0.5	—	2585±12	2677±9	—
D	A. 10-1	15:19	7.31	19.4	1452	23.1	1.2	.15	2460±13	2668±12	204
	sl. 2-7	15:40	6.55	20.9	2180	215	0.4	.04	590±1	510±20	204
	A. 11-1	16:00	6.65	21.7	999	16.9	1.6	.26	2689±17	2675±15	"
	A. 12-1	16:15	6.64	20.8	2.4K	43.4	1.1	.07	2659±11	2679±9	"
D	A. 13-1	16:30	6.13	22.8	1111	27.3	10.3	1.19	2299±13	2666±19	"
	sl. 1-1	16:45	6.63	21.1	2130	209	0.2	.03	568±1	585±18	208
D	A. 14-1	17:01	6.69	21.0	2243	50.7	38.2	2.63	2082±8	2689±17	204
	A. 15-1	17:15	6.94	19.6	2.7K	46.0	2.5	.15	2617±10	2680±9	"
	A. 16-1	17:30	6.54	21.0	2.7K	50.2	4.7	.25	2643±10	2679±9	"
	sl. 1-2	17:45	6.53	21.6	2.1K	219	-0.6	.02	561±1	540±18	208
	A. 17-1	18:01	6.56	20.6	4.1K	74.0	0.9	.03	2720±9	2663±6	204
	A. 18-1	18:20	6.89	19.8	1920	33.5	0.6	.07	2582±12	2663±11	204
*	A. 19-1			~ ABORTED		→ MAGNET FAILURE					
	sl. 1-3	19:23	6.64	19.1	1956	215	1.2	.05	561±1	613±19	208
D	A. 20-1	19:41	6.53	20.8	1364	41.5	3.2	.34	1769±7	2685±14	204
	A. 21-1	19:57	6.34	20.0	1577	32.3	0.2	.02	2661±13	2675±11	204
	A. 22-1	20:14	6.70	19.9	2.4K	44.1	0.9	.06	2604±11	2686±9	204
	A. 23-1	20:29	6.60	20.0	1555	29.6	2.6	.24	2639±13	2661±12	204
	A. 24-1	20:46	6.88	18.6	1173	21.6	1.1	.14	2668±16	2642±13	204
	sl. 1-4	21:02	6.48	20.3	2039	222	-0.4	—	574±1	533±18	—