

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 11/12/95 UWA Mount No. 95-28 Whose sample? Marcus Operator(s) Marcus / Neal

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	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2	10	10	10	10	10	5	5	2
	Delay time (secs):	7	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 = 8.168 actual 204-bkg = 0.040 expected resolution = >4200
 Primary = 2.3 nA PESABM = 37 pA actual resolution = 4770
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 62.2

Comments: Ran 95-33 (A. Row) to ~ 7.30 pm, then switched to 95-28

7 Scans; 2 minute raster @ 120µm

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.
	std 1-4	19:42	6.58	15.4	1849	220	1.9	.11	572 ± 1	580 ± 17	208
196, 206, 238	std 1-5	20:04	6.42	15.4	1770	230	3.6	0.19	560 ± 0.6	600 ± 17	208
196, 204, 206, 207, 238	A 1-1	20:25	6.47	15.8	4966	99	3.3	0.07	2884	2871 ± 5	204
(206)	A 2-1	20:50	6.68	14.6	434	44	1.2	0.41	666 ± 2.6	677 ± 98	204
254, 196, 208, 238, 248	A 3-1	21:14	6.45	16.0	1267	30	6.7	0.65	2463 ± 12	2636 ± 13	204
196, 238	A 4-1	21:42	6.27	16.5	199	25	1.8	1.3	587 ± 3	629 ± 145	204
196, 204, 207, 254	std 1-6	22:08	6.36	15.3	1773	229	3.6	0.20	586 ± 0.7	558 ± 175	208
196, 207	U528A-5-1	22:34	6.36	16.8	2298	64	2.9	0.16	2185 ± 72	2170 ± 10	204
206	U528A-6-1	23:01	6.38	16.7	2117	61	3.1	0.19	2094 ± 70	2058 ± 11	204
204, 206, 254	std 1-7	01:22	6.29	16.8	1892	220	2.4	0.21	571 ± 0.6	545 ± 17	208
196, 206, 254	std 1-8	01:50	6.25	15.4	1754	222	3.4		557 ± 0.6	561 ± 18	208

