

8/6/95  
(CONT.)  
95-10A = YQ21

UWA SHRIMP DATA LOG: ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
	94-10	YUMIN	
	94-19	JAYME	

Indicate any change to the following:	196	204	bkg	206	207	208	238	248	254
<b>Precambrian</b> Count time (secs):	2	10	10	10	40	10	5	5	2
Delay time (secs):	6	3	1	2	1	1	3	2	2
<b>Phanerozoic</b> Count time (secs):	2	10	10	10	10	10	5	5	2
Delay time (secs):	6	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040 amu      Dead-time = 36 nanosecs  
 actual 196-204 = .....      actual 204-bkg = .....      expected resolution = >4200  
 Primary = ..... nA      PESABM = ..... pA      actual resolution = .....  
 expected Primary : PESABM ≈ 50:1      actual Primary : PESABM = .....

Comments from Log Book:

Rejection over-ride	Sample/ Std ID	Time - printout	196 cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238 207/206	Corr.
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95-10A ↓

	UNK 26-1	16:28	12.3K	5.4K	180	17.4	.27	2598 ± 6	2658 ± 6	204
196. 204. 206. 208	std 3-5	16:51	9.6K	1002	192	2.9	.03	559 ± 1	598 ± 24	208
196. 206. 207. 238. 248	UNK 27-1	17:15	9.1K	3441	120	32.8	.89	2260 ± 7	2610 ± 9	204
196. 204. 206. 207. 238. 248. 254	UNK 28-1	17:44	8.5K	2953	114	5.9	.15	2481 ± 8	2650 ± 7	204
207. 208. 238	UNK 28-2	18:06	8.2K	2892	159	88.5	2.39	1752 ± 5	2650 ± 13	204
196. 204. 206. 207. 238. 248	UNK <del>28-1</del> 29-1	18:35	8.7K	2857	101	3.7	.11	2475 ± 8	2645 ± 8	204
196. 206. 207. 238. 248. 254	std 3-6	18:57	8.5K	877	193	4.2	.41	520 ± 1	561 ± 26	208

PVT 94-19 IN RACK → 10 ≈ 1.1 nA

238/U: 1.66554	1.66554	5.41566	5.41566	0.157511	0.162306	1.66777	1.66757	5.38919	5.39218	0.139163
U/U: 5.41566		5.41566		0.157511	0.162306	5.42536	5.38919	5.38919	5.39218	0.139163
Pb*/U: 0.216397		0.157511		0.157511	0.162306	0.162306	0.162306	0.162306	0.162306	0.139163
18	18	18	18	18	18	18	18	18	18	18
1-3 2-6 out										

238/U: 1.67040  
 U/U: 5.41778  
 Pb\*/U: 0.207276  
 No: 20 re-confirmed on 16/8/95

1.67040  
 5.41778  
 0.157519

confirmed by two runs  
 178.1336%  
 159.589%



