

UWA SHRIMP DATA LOG: ZIRCON U-Pb

Date: 1/5/95
(2/5/95)
UWA Mount No.: 94-17
Whose sample?: C. Yeats
Operator(s): C.Y.

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Count time (secs):	2	10	10	10	40	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 = 8.170 actual 204-bkg = 0.042 expected resolution = >4200

Primary = 1.25 nA PESABM = 18 pA actual resolution = 4330
expected Primary : PESABM ≈ 1 : 50 actual Primary : PESABM = 69

Comments from Log Book: Continuing from 94-30.
Raster = 5 rows due to low I^o

*Bad section of Mount
Lots of test holes*

Rejection over-ride	Sample/ Std ID	Time	196 cps	206 cps	U ppm	204Pb ppb	f206 %	204-corr. 206/238	Age ±1σ (Ma) 207/206	Peak cent. OK?
	sl417.3.1	00:54	6.4K	568	243	3.9	0.3	604 ± 1	518 ± 30	✓
	u417.10.1x	01:20	7.2K	357	357	287	34.7	138 ± 3	238 ± 243	✓
	sl417.3.2	01:45	6.6K	535	255	3.8	0.3	621 ± 1	515 ± 28	✓
	sl417.2.4	02:13	6.5K	497	231	-0.1	-	575 ± 1	648 ± 29	✓
	sl417.2.5	02:42	6.3K	512	228	-1.7	-	586 ± 1	594 ± 29	✓
High 204	u417.10.2x	03:09	6.4K	526	154	74.2	7.0	545 ± 3	2612 ± 52	✓
<i>I^o v. sh. unstable</i>	u417.18.1x	03:36	6.4K	317	29.0	4.2	0.4	2729 ± 24	2638 ± 29	X248(1)
"	sl417.2.6	04:01	6.2K	515	243	4.8	0.4	596 ± 1	591 ± 29	✓
"	u417.12.1x	04:26	6.6K	1288	120	34.5	0.8	2603 ± 11	2624 ± 13	✓
"	u417.12.2x	04:51	6.4K	204	18.5	5.5	0.8	2795 ± 34	2574 ± 35	238(1) X254(1)
<i>I^o getting st. more unstable</i>	u417.24.1	05:17	6.3K	1665	129	3.0	0.1	3062 ± 12	2931 ± 7	✓
	sl417.14.3	05:42	6.3K	514	243	1.4	0.1	584 ± 1	558 ± 30	✓
	sl417.14.4	06:06	6.6K	518	254	4.2	0.3	605 ± 1	576 ± 30	✓