

Y.Qiu 94-29B  
(YQ7)

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 31/8/95 UWA Mount No.: 94-29 Whose sample?: Y.Qiu Operator(s): I.F. & YQ

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 ✓	30 ✓	10 ✓	5 ✓	5 ✓	2 ✓
	Delay time (secs):	7 ✓	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):	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 = 8.166      actual 204-bkg = 0.045      expected resolution = >4200  
 Primary = 2.3 nA      PESABM = 44 pA      actual resolution = 4990  
 expected Primary : PESABM = 50:1      actual Primary : PESABM = 52

Comments: Computer crash during setup.  
Long break after 1st 5 std., to work on 1<sup>st</sup>.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238 207/206	Corr.
<del>delete last scan.</del>	<del>sl 429.46</del>	<del>12:10</del>	<del>6.08</del>	<del>19K</del>	<del>1647</del>	<del>cal</del>	<del>2.5</del>	<del>0.3</del>	<del>cal 755</del>	<del>208</del>
	sl 47	14:28	7.00	15K	1472	Recal	3.4	0.2	595	208
	sl 48	15:00	6.01	18.6K	1616	203	1.1	.2	592 ± 1 617 ± 18	208
	u429 B1-1	15:28	5.909	18.5K	4763	123	33.4	.75	2592 ± 6 2660 ± 7	204
	B2-1	15:51	7.04	12.4K	8095	272	520.1	7.9	1720 ± 4 2677 ± 13	204
	sl 3-1	16:18	5.95	18.8K	1683	211	1.0	.07	607 ± 1 565 ± 18	208
	B3-1	16:42	5.91	21.1K	3465	77	11.8	.4	2653 ± 7 2680 ± 7	204
	4-1	17:08	6.73	14.5K	4656	165	589	1.6	1478 ± 5 2614 ± 28	206
	sl 4-9	17:40	6.011	18.8K	1696	207	2.7	.16	603 ± 1 541 ± 18	208
	B5-1	18:06	6.03	18.31K	6727	165	35.5	.6	2480 ± 5 2624 ± 6	204
	6-1	18:30	6.79	15.1	6614	200	651	13.4	1655 ± 4 2578 ± 22	204

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	

206.7 48	7-1	18:54	6.11	17.6K	5398	120	5.9	.12	2800 $\pm 6$	2641 $\pm 5$	200
196 206 27.8. 250	8-1	19:17	6.22	17.4K	4539	92.	8.6	.22	2902 $\pm 7$	2628 $\pm 6$	204
206.7 38 54	sl 4-10	19:42	6.15	17.1K	1647	201	3.2	.1	613 $\pm 1$	575 $\pm 18$	208
PK put sample in 196 206 208 238 248 drops	9-1	20:09	6.42	17.4K	3357	63.9	9.8	.38	2815 $\pm 8$	2664 $\pm 7$	204
206 38. 48	10-1	20:34	6.15	17.7K	4278	87.	5.3	.14	2942 $\pm 8$	2795 $\pm 6$	200
206. 7.8. 54	11-1	20:58	6.03	18K	5123	131	82.8	1.8	2501 $\pm 6$	2656 $\pm 9$	204
196 206.7.8 38. 48. 54	12-1	21:23	6.13	22K	4060	87.	52.	1.8	2355	2685 $\pm 6$	204
196 206 38 54	sl 4-11	21:49	6:04	19K	1750	205	1.5	0.06	620	542	208
196 206 228 238 254	13-1	22:13	6.18	19K	3184	75	49.	1.8	2353	3171	204
196	14-1	22:39	6.92	16K	8264	171	508.	9.2	2177	2712	204
Big problems with computer, etc.											
Funny name is because I did not realize fusion had used "3-1"	sl 3x-1x	01:06	6.45	7.6K	868	Data not processed correctly - (might be OK on file)					
6 STD											
206/196 1.94209											
206/196 6.02962											
206/196 0.176675											
id = 2.57%											