

**UWA DATA LOG: SHRIMP ZIRCON U-Pb**

Date 1/21/96 UWA Mount No. 96-2 Whose sample? Operator(s) IF & YC

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):	<del>2</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>5</del>	<del>5</del>	<del>2</del>
	Delay time (secs):	<del>7</del>	<del>3</del>	<del>1</del>	<del>2</del>	<del>1</del>	<del>1</del>	<del>3</del>	<del>2</del>	<del>2</del>

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040 amu      Dead-time = ..... nanosecs  
 actual 196-204 = 8.168      actual 204-bkg = 0.045      expected resolution = >4200  
 Primary = 1.5-1.6 nA      PESABM = ..... pA      actual resolution = 4495  
 expected Primary : PESABM = 50:1      actual Primary : PESABM = .....

Comments:

*1" has been stable at 1.5-1.6 over 20 hours, but the Mount may be not flat, have to adjust focus for every analysis!*

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)	Corr.
				<sup>k</sup>					206/238    207/206	

SAMPLE C = 432634 (A. ROSS) ↓

	S16-1									
	S16-2									
AR	S16-4	13:04	6.32	12.3	1479	220	0.8	.2	571 ± 1    595 ± 19	208
AR	U96204	13:34	6.1	12.3	1083	33	4.5	.35	2717 ± 15    2698 ± 12	204
AR	S16-5	14:	6.15	12.2	1323	227	3.8	.74	567 ± 1    567 ± 2	208
AR	3-1	14:43	6.42	12.5	1642	42	33.9	2.1	2684 ± 13    2673 ± 16	204
AR	4-1	15:05	6.3	12.1	534	15	0.6	.1	2761 ± 22    2669 ± 18	204
AR	5-1	15:29	6.13	12.1	833	26	4.1	.42	2700 ± 17    2676 ± 15	204
AR	S16-6	15:52	6.27	11.9	1422	236	3.	.23	568 ± 1    633 ± 19	208
→ remove UO-1 not count if 0	6-1	16:17	5.91	11.9	849	30	-	-	2687 ± 17    2655 ± 12	<del>204</del>
AR	7-1	16:46	6.53	11.9	1360	36	1.6	.1	2662 ± 13    2706 ± 10	204

Rejection over-ride Sample/Std ID Time - printout UO/U 196 cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	8-1	17:13	6.12	12.	3073	96	9.9	.27	2692±9	2701±7	204
	9-1	17:35	6.44	11.8	823	22	1.6	.2	2703±17	2678±15	204
	AR S16-7	17:58	6.25	12	1409	230	5.6	<del>.28</del>	575±1	654±20	208
	C10-1	18:27	5.93	11.9	1296	44	40	2.3	2714±15	2686±18	204
	Fine C11-1	18:52	6.22	12.5	861	24	14	1.5	2730±17	2721±20	204
	AR C12-1	19:17	6.28	12.3	7926	229	1.5	.01	2655±5	2698±4	204
	C13-1	19:41	6.39	12.4	845	22	(-0.1)		2786±19	2699±11	<del>208</del>
	AR S16-8	20:03	5.97	11.9	1333	244	4.2	.27	604±1	507±21	208
	AR S14-1	20:30	6.32	11.5	1398	226	0.5	.01	583±1	536±19	208
	C14-1	21:02	6.02	12.	1158	39	3.5	.2	2666±14	2708±10	204
	<del>A1-1</del>	<del>21:36</del>	<del>4.31</del>	<del>31</del>	<del>8924</del>	<del>319</del>	<del>27.2</del>	<del>.1</del>	<del>3789±8</del>	<del>3433±3</del>	<del>204</del>
	A2-1	22:04	6.36	11.3	11K	295	10.3	.08	2918±5	2933±3	204
	A1-2	22:26	6.11	11.7	9773	220	785	5.8	3457±8	3378±6	204
	A3-1	22:47	5.98	12.	4371	113	183.1	2.95	3288±10	3239±8	204
	AR S14-2	23:14	6.42	11.6	1449	228	0.2	.02	573±1		208
	A4-1	23:38	6.18	12.3	4959	115	181.2	2.8	3222±10	3463±6	204
	A5-1	0:00	6.7	11.5	18.4K	372	151.8	.78	3162±5	3372±3	204
	A6-1	0:22	6.78	11.3	12.3K	495	318.5	2.7	1783±3	2668±6	204
	B1-1	0:47	6.72	10.	18.7K	912	831.7	4.5	1636±2	2119±10	204
	B2-1	1:08	6.66	10.1	29K	972	128.	.42	2362±2	2499±3	204
	S14-3	1:30	6.27	11.9	1415	235	0.	.02	567±1	604±19	208
	B3-1	2:25	6.82	9.1	19.7K	1209	517.4	2.6	1410±1	1728±9	204
	B4-1	2:47	7.18	9.8	31.6K	1099	731.7	2.7	1914±2	2347±1	204
	B5-1	3:09	6.93	9.1	17.9K	1175.1	530.3	3.2	1270±1	1550±12	204
	<del>B6-1</del>	<del>3:50</del>	<del>6.48</del>								

incl sum of right U, 4U0, 1st scan removed

2384, 1 scan deleted 1° dropped to 1.5

238, 1 scan removed

PopA (VOM 94-301) wrong PK 196, 208

196, 204, 238

207, 208, 235, 245

AR

206, 207, 208, 238

206, 207, 208, 254

204, 248, 254

196, 0, 208, 238, 254

207, 248

206, 1st scan removed

238, 254

204, 206, 208, 238, 248, 254

196, 206, 207, 208

Wrong PK

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
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196, 207, 238,

248

B7-1	3:54	6.6	9.6	19.95K	1002	1033	4.6	1729±2	2263±9	204
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Removed 1scd

S14-4	4:17	6.19	11.97	1358	236	1.1	.04	559±1	102±20	208
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196, 204, 206, 207, 208, 248, 254

A7-1	4:42	6.15	13.1	3243	91	104.7	2.9	261±9	2893±11	204
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206

A8-1	5:07	6.48	12.6	6304	118	496.1	7.2	3221±9	3457±8	204
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196, 207, 238

A9-1	5:30	6.91	10.8	18.5K	635	49.1	.3	1990±2	2588±3	204
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204, 206, 238, 254

A10-1	5:53	6.86	10.8	10.3K	219	96.1	.96	3016±6	2917±4	204
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Removed 1scd Th

S14-5	6:17	6.28	12.7	1480	227	1.8	.15	570±1	528±26	204
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207, 208, 254

A11-1	6:39	6.56	11.8	20K	453	50.8	.24	2994±4	3219±2	204
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206, 207, 238, 254

A12-1	7:00	6.46	12.1	14.K	298	11.1	.07	327±5	3242±3	204
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206, 207, 238

A13-1	7:21	6.30	11.5	5068	113	22.8	.35	3408±10	3449±4	204
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207, 208, 238

A14-1	7:44	6.19	13.2	3258	64	151.7	3.9	3407±13	3449±9	204
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196, 206, 207, 208, 238, 248

A15-1	8:06	6.43	11.6	4904	99	18.7	0.3	3495±11	3480±4	204
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1° has been stable as a line!