

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

Date: **4/12/95**      UWA Mount No.: **UWA 95-33**      Whose sample?: **A. Ross**      Operator(s): **A. Ross**

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
<del><b>Phanerozoic</b></del>	<del>Count time (secs):</del>	<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>
	<del>Delay time (secs):</del>	<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 = **32** nanosecs

actual 196-204 = **See 3/12/95**      actual 204-bkg = **See 3/12/95**      expected resolution = >4200

Primary = ..... nA      PESABM = ..... pA      actual resolution = **See 3/12/95** <sup>4500</sup>

expected Primary : PESABM ≈ 50:1      actual Primary : PESABM = ..... **7 scans**

Comments:

AR = all restored  
NL = non linearity.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (k)	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238    207/206		Corr.
AR	S11-1	1:58	5.53	12.9	918	220	1.5	0.03	572	563	208
AR	S11-2	2:22	5.43	12.8	906	229	-1.1	—	582	582	—
AR	u1-1	2:49	3.55	12.8	1094	472	-0.9	—	2647	2651	—
AR	u1-2	3:12	5.84	12.2	757	28.7	0.6	0.06	2639	2684	204
NL, AR	u2-1	3:39	5.33	11.5	417	23	2.3	0.26	2691	2674	204
AR	S11-3	4:02	5.69	11.2	868	215	-1.0	0.02	570	5775	208
238-removal Scand	u3-1	4:30	5.95	11.8	351	13	0.7	0.14	2645	2630	204
AR	u4-1	5:04	5.53	12.9	284	11.4	-0.3	—	2848	2689	—
large drop N1° AR, NL	u5-2	5:29	5.91	10.2	558	22.3	2.7	0.31	2830	2593	204
AR	S11-4	6:00	5.31	14.4	935	235	0.7	0.06	567	5832	204
AR, goldcoat bks. pth.	u6-1	6:43	5.37	16.0	1344	51.5	1.3	0.07	2701	2671	204

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

NL, AR	47-1	7:11	5.44	7.2	410	38	1.7	0.13	2431	2679	204.
NL, AR	48-1	7:41	5.64	12.2	639	27	0.5	0.05	2693	2699	204.
NL-AR	511-5	8:04	5.46	11.4	830	241	3.3	0.27	557	484	204
AR	49-1	8:41	5.93	11.9	1360	48.7	2.2	0.12	2717	2687	204
	43-2	9:06	5.65	13.3	348	13.2	-0.5	—	2715	2671	204.

6) sl.  
sl.

— END —

Z+1 μ: 1.77553

UO μ: 5.48531

Pb\* μ: 0.127417

N<sub>0</sub> = 5

1 std dev = 1.18197.