

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

Date: 11/2/98 UWA Mount No.: 97-49 Whose sample?: Also Operator(s): McN + AR

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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
Precambrian	Count time (secs):	2	10	10	10	30/10	10	5	5	2
<del>Phanerozoic*</del>	Delay time (secs):	<del>7</del> 8	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040<sup>3</sup> amu      Dead-time = 32 nanosecs  
 actual 196-204 = 8.168      actual 204-bkg = 0.045      expected resolution = >4200  
 actual 206-207 = 1.000      actual 206-208 = 2.000      actual resolution = 4774  
 Primary = 2.8 nA    PESABM = 42 pA    actual Primary : PESABM (≈ 50:1) = 66.7  
 Raster time (mins): 2      Raster aperture (microns): 120      No. of scans: 5

Comments: B = 9796-9245  
Sensitivity = 13.0 cps/ppm Pb/nA

\* Labeled B1

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Corr.
	<u>S1.9-1</u>	<u>12:57</u>	<u>5.80</u>	<u>14.4</u>	<u>1558</u>	<u>220</u>	<u>-0.7</u>	<u>.01</u>	<u>572 ± 1</u>	<u>633 ± 21</u>	<u>208</u>
<u>1<sup>st</sup> scan</u>	<u>S1.9-2</u>	<u>13:15</u>	<u>6.68</u>	<u>11.4</u>	<u>1330</u>	<u>168</u>	<u>0.6</u>	<u>.07</u>	<u>513 ± 1</u>	<u>446 ± 24</u>	<u>"</u>
	<u>B.1-1*</u>	<u>—</u>	<u>Printer</u>	<u>problem</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>2200?</u>	<u>2582?</u>	<u>204</u>
	<u>S1.9-3</u>	<u>14:04</u>	<u>5.93</u>	<u>14.3</u>	<u>1622</u>	<u>215</u>	<u>0.4</u>	<u>.01</u>	<u>569 ± 1</u>	<u>595 ± 21</u>	<u>208</u>
	<u>B.2-1</u>	<u>14:23</u>	<u>6.27</u>	<u>11.8</u>	<u>291K</u>	<u>972</u>	<u>263</u>	<u>1.1</u>	<u>1998</u>	<u>2231</u>	<u>204</u>
	<u>B.3-1</u>	<u>14:51</u>	<u>6.27</u>	<u>12.2</u>	<u>13K</u>	<u>633</u>	<u>93</u>	<u>.89</u>	<u>1417</u>	<u>2025</u>	<u>204</u>
	<u>B.4-1</u>	<u>15:21</u>	<u>6.21</u>	<u>13.3</u>	<u>3007</u>	<u>714</u>	<u>80.1</u>	<u>3.3</u>	<u>2436</u>	<u>2635</u>	<u>204</u>
<u>3<sup>rd</sup> 10</u>	<u>S1.9-4</u>	<u>16:39</u>	<u>5.96</u>	<u>13.5</u>	<u>1599</u>	<u>215</u>	<u>-1ve</u>	<u>—</u>	<u>586</u>	<u>583</u>	<u>—</u>
	<u>B.5-1</u>	<u>15:57</u>	<u>5.89</u>	<u>14.1</u>	<u>3079</u>	<u>95</u>	<u>157</u>	<u>6.5</u>	<u>2112</u>	<u>2641</u>	<u>204</u>
	<u>B.6-1</u>	<u>16:17</u>	<u>5.96</u>	<u>13.5</u>	<u>13.7K</u>	<u>595</u>	<u>89</u>	<u>.75</u>	<u>1650</u>	<u>2172</u>	<u>204</u>
	<u>B.7-1</u>	<u>17:22</u>	<u>5.74</u>	<u>12.8</u>	<u>1574</u>	<u>488</u>	<u>14.1</u>	<u>.79</u>	<u>2580</u>	<u>2729</u>	<u>204</u>

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

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 <sup>1k</sup> cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma)	206/238	207/206	Corr.
	sl. 9-5	17:49	5.80	13.3	1467	277	0.9	.08	544	607	208	
	B. 8-1	18:26	6.42	11.4	11.7k	733	200	2.2	1101	1630	204	
	<del>B. 9-1</del>					669			~1353	1887		
	sl. 9-6	19:43 <sup>52</sup>	5.74	14.0	1537	233	1.1	.01	567	606	208	
2nd TLO	B. 9-1	20:45	6.31	11.1	12.5k	669	10.2	1.01	1340 1353	1741 1887	204	
	→ Giving up on population "B": 48 grains targeted, 9 acceptable, none concordant											
Population A	A. 1-1	21:13	6.05	12.0	2266	43.4	2.2	.09	3470	3430	204	C
	A. 2-1	21:33	didn't print 2nd page, but concordant									
	sl. 8-1	21:55	5.86	13.6	1522	218	1.1	.04	571	502 486	208	
	A. 3-1	22:14	5.81	13.3	2719	55.3	2.2	.07	3390	3468	204	
2nd 206 3rd UO	A. 4-1	22:39	6.15	12.7	4425	92.4	1.4	.03	2959	3426	204	
	A. 5-1	22:03	5.43	10.6	3128	109	35	.60	3227	3335	204	
2nd UO	sl. 8-2	23:21	5.69	13.0	1420	238	3.0	.23	571	503	204	
hit 206	A. 6-1	23:40	5.53	11.9	3871	103	1.7	.03	3432	3475	204	C
hit 206	A. 7-1	23:56	6.29	12.2	1828	34.9	3.0	.17	3109	3423	204	
	A. 8-1	00:13	5.65	13.3	1478	38.6	1.9	.10	3002	3436	204	
	sl. 8-3	00:30	5.85	12.7	1452	228	1.5	.02	568	656	208	
	A. 9-1	00:58	5.89	12.3	4809	99.4	1.8	.03	3435	3413	204	C
3rd 206 4th 208	A. 10-1	1:16	5.50	12.3	2839	832	7.4	.17	3154	3359	204	
	A. 11-1	1:34	5.93	12.2	4609	95.4	10.7	.19	3892	3439	204	ver. 208
	A. 12-1	1:53	6.18	13.1	3776	77.6	3.5	.09	2898	3353	204	
3rd 206 2nd 208	sl. 8-4	2:10	5.92	12.7	1446	215	-ve	.05	574	593	204	
hit 206	A. 13-1	2:31	5.93	12.3	4562	101	61.5	1.2	3158	3258	204	
hit 206	A. 14-1	2:49	5.91	12.3	4444	101	3.3	.06	3173	3448	204	
	A. 15-1	3:13	5.86	13.3	1460	24.2	71.6	4.4	3749	3370	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.
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cur red	A-16-1	3:30	6.33	12.9k	7455	192	6.3	-10	2287	3267	204
low V0 low Zr	sl. 8-5	3:47	5.72	12.6	1439	243	-IVE	-	57.6	658	-

4.30 am lost 10  
and couldn't recovery  
even running "No Velts" - resetting etc

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