

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: *12/8/95* UWA Mount No.: *94-27* Whose sample?: *M. Barley* Operator(s): *IF + Y. Oiu*

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 ✓	5 ✓	5 ✓	2 ✓
Delay time (secs):	7 ✓	3 ✓	1 ✓	2 ✓	1 ✓	1 ✓	3 ✓	2 ✓	2 ✓
Phanerozoic 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 = *8.165* actual 204-bkg = *0.045* expected resolution = >4200
 Primary = *1.9* nA PESABM = *28* pA actual resolution = *4505*
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = *68*

Comments:

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.	
<i>Recheck all</i>	<i>sl 427.2-1</i>	<i>11:07</i>	<i>5.90</i>	<i>12.1K</i>	<i>1300</i>	<i>val</i>	<i>1.4</i>	<i>0.02</i>	<i>val</i>	<i>474</i>	<i>208</i>	
<i>Big shift in 207 subtracted? changing at edge of gram?</i>	<i>sl 427.2-2</i>	<i>11:29</i>	<i>5.72</i>	<i>7.4K</i>	<i>713</i>	<i>253</i>	<i>1.7</i>	<i>0.2</i>	<i>492</i>	<i>658</i>	<i>208</i>	
<i>Recheck all</i>	<i>sl 427.2-3</i>	<i>11:51</i>	<i>5.65</i>	<i>13.4K</i>	<i>1343</i>	<i>247</i>	<i>0.5</i>	<i>0.1</i>	<i>545</i>	<i>587</i>	<i>208</i>	
<i>-do-</i>	<i>u 427.1-1</i>	<i>12:13</i>	<i>6.07</i>	<i>13 K</i>	<i>5210</i>	<i>97</i>	<i>46.</i>	<i>0.8</i>	<i>3380</i>	<i>3385</i>	<i>204</i>	
<i>Recheck 204 offset 206-207-208 offsets</i>	<i>-do-</i>	<i>B.1-2</i>	<i>12:47</i>	<i>6.46</i>	<i>13.3K</i>	<i>974</i>	<i>34</i>	<i>26.</i>	<i>3.2</i>	<i>1623</i>	<i>3294</i>	<i>204</i>
<i>Del. 1st TLO</i>	<i>sl 2-4</i>	<i>13:12</i>	<i>5.96</i>	<i>12.6K</i>	<i>1380</i>	<i>237</i>	<i>1.3</i>	<i>0.02</i>	<i>514</i>	<i>592</i>	<i>208</i>	
<i>Recheck all</i>	<i>u B.1-3</i>	<i>13:39</i>	<i>6.12</i>	<i>12.7K</i>	<i>4111</i>	<i>183</i>	<i>65.</i>	<i>1.5</i>	<i>1634</i>	<i>3306</i>	<i>204</i>	
<i>For this really a sample?</i>	<i>-do-</i>	<i>A.1-1</i>	<i>14:04</i>	<i>5.91</i>	<i>12.9K</i>	<i>1465</i>	<i>257</i>	<i>2.2</i>	<i>501</i>	<i>653</i>	<i>204</i>	
	<i>-do-</i>	<i>A.1-2</i>	<i>14:25</i>	<i>6.00</i>	<i>12.3K</i>	<i>3163</i>	<i>542</i>	<i>4.1</i>	<i>510</i>	<i>580</i>	<i>204</i>	
	<i>-do-</i>	<i>sl .3-1</i>	<i>14:48</i>	<i>5.87</i>	<i>12.9K</i>	<i>1357</i>	<i>233</i>	<i>2.3</i>	<i>530</i>	<i>555</i>	<i>208</i>	
<i>-do- (v. good)</i>	<i>u C.1-1</i>	<i>15:13</i>	<i>5.83</i>	<i>13.3K</i>	<i>1775</i>	<i>41</i>	<i>1.7</i>	<i>0.08</i>	<i>3193</i>	<i>3518</i>	<i>204</i>	

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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Restore all [all=1]	u427C.2-1	15:36	5-85	13.7K	2658	56	2.1	0.07	3308	3523	204	
-do-	u C.3-1	15:57	5-72	13.4K	2139	49	-ve	-	3331	3509	-	
-do-	sl 3-2	16:20	5-78	13.6K	1374	232	2.8	0.08	539	508	208	
-do-	u C.4-1	16:44	5-77	13.7K	1815	39	1.0	0.04	3361	3513	204	
-do-	C.5-1	17:08	6.07	13.4K	2590	48	1.1	0.04	3369	3519	204	
-do-	.6-1	17:33	5-72	13 K	1697	40	0.8	0.04	3318	3519	204	
-do-	.7-1	17:55	5-66	13.4K	1811	47	3.5	0.14	3130	3471	204	
YU for over	-do-	sl 3-3	18:19	5.898	13.1K	1392	232	1.4	0.06	533	546	208
-do-	u427C.7-2	18:41	5.83	12.1K	7095	227	4.5	.5	2623	3216	204	
-do-	7-3	19:06	5.78	13.3K	5880	164	14.1	.2	2795	3340	204	
6 Min Restev Delete Sample Delete last 2 scans	8-1	19:28	5.99	13.2K	5127	114	7.5	.13	3062	3448	204	
Restore all	9-1	19:49	6.07	12.8K	1874	36	2.1	.1	3387	3518	204	
-do-	10-1	20:11	6.01	12.6K	1810	38	.6	.02	3317	3518	204	
-do-	11-1	20:35	5.89	13.4K	1841	39	.2	.01	3270	3517	204	
-do-	12-1	20:58	6.01	13.3K	2345	45	-0.7	-	3353	3520	-	
-do-	sl 3-4	21:20	5.948	13.1K	1325	220	1.5	.14	517	573	204	
9pm	1 st drop	13-1	21:44	5.97	11.8K	1694	42	.5	.02	3096	3523	204
-do-	14-1	22:08	5.96	12.8K	1933	42	1.1	.05	3230	3517	204	
-do-	15-1	22:29	5.88	12.1K	2363	57	-0.4	-	3208	3518	204	
-do-	16-1	22:51	5.77	11.8K	1800	49	2.7	.1	3162	3501	204	
Big swing in 27 10:30	1 st unstable	17-1	23:15	5.97	9.7K	2725	90	1.1	.03	2885	3505	204
-do-	sl 3-5	23:42	6.08	9.97K	1084	236	1.2	.1	484	623	208	
Jumpy	-do-	1-2	0:06	6.68	9.5K	2810	67	2.1	.07	2870	3510	204
Jumpy	-do-	18-1	0:29	7.41	3.3K	393	50	3.9	.19	2603	3370	204
Delete 1 st 20.7nA	sl 3-6	1:00	5.78	13.80	1380	224	.9	.19	544	572	208	
1 st is adjusted to 19.0nA again			5.78	14.4K	1380							

