

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 21/1/09 UWA Mount No.: 98-102 Whose sample?: Elson Operator(s): IF + EM

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 10 10 10 10 30 10 5 5 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = 32 nanosecs
 actual 196-204 = 2.169 actual 204-bkg = 0.093 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5336

Primary = 3.3 nA PESABM = 32 pA actual Primary : PESABM (≈ 50:1) = 103
 Raster time (mins): 1 Raster aperture (microns): 12.0 No. of scans: 4

Comments: Sensitivity = 12.5
1st very stable

60
63
62

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	<u>C2-10-1</u>	<u>11:43</u>	<u>6.50</u>	<u>12.5</u>	<u>1395</u>	<u>-</u>	<u>0.2</u>	<u>-</u>	<u>577</u>	<u>just</u>
	<u>C2-10-2</u>	<u>11:54</u>	<u>6.41</u>	<u>12.8</u>	<u>1347</u>	<u>221</u>	<u>2.2</u>	<u>.19</u>	<u>559</u>	<u>582</u> <u>just</u>
	<u>C-1-1</u>	<u>12:08</u>	<u>6.40</u>	<u>12.5</u>	<u>4765</u>	<u>47</u>	<u>7.2</u>	<u>.15</u>	<u>1876</u>	<u>2030</u> <u>"</u>
	<u>C-3-1</u>	<u>12:20</u>	<u>6.31</u>	<u>12.7</u>	<u>3551</u>	<u>94</u>	<u>0.8</u>	<u>.02</u>	<u>3025</u>	<u>3046</u> <u>OK</u>
	<u>C-5-1</u>	<u>12:33</u>	<u>6.67</u>	<u>12.3</u>	<u>5348</u>	<u>144</u>	<u>0.6</u>	<u>.01</u>	<u>2675</u>	<u>3005</u> <u>-</u> <u>C2</u>
	<u>C-6-1</u>	<u>12:46</u>	<u>6.42</u>	<u>12.5</u>	<u>4842</u>	<u>145</u>	<u>4.6</u>	<u>.09</u>	<u>2071</u>	<u>2102</u> <u>✓</u>
	<u>C2-10-3</u>	<u>12:57</u>	<u>6.39</u>	<u>12.4</u>	<u>1296</u>	<u>221</u>	<u>2.2</u>	<u>-</u>	<u>562</u>	<u>623</u> <u>✓</u>
	<u>C-7-1</u>	<u>13:15</u>	<u>6.45</u>	<u>12.4</u>	<u>2303</u>	<u>56</u>	<u>0.8</u>	<u>.08</u>	<u>3099</u>	<u>3085</u> <u>✓</u> <u>H</u>
	<u>C-9-1</u>	<u>13:29</u>	<u>6.24</u>	<u>13.4</u>	<u>422</u>	<u>11</u>	<u>2.2</u>	<u>.44</u>	<u>3123</u>	<u>3101</u> <u>✓</u> <u>C</u>
	<u>C-11-1</u>	<u>13:41</u>	<u>6.41</u>	<u>12.8</u>	<u>4624</u>	<u>113</u>	<u>12</u>	<u>.02</u>	<u>3070</u>	<u>3089</u> <u>-</u> <u>C</u>
	<u>C-12-1</u>	<u>13:53</u>	<u>6.28</u>	<u>13.1</u>	<u>1805</u>	<u>42</u>	<u>0.3</u>	<u>.01</u>	<u>3303</u>	<u>3170</u> <u>-</u>

Mount/sample No: 98-102

Date: 21/1/99

Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C-13-1	14:05	8.29	9.6	4481	224	384	13.11	1006	2224	✓
	C-13-2	14:16	6.38	13.0	1967	48	0.3	.01	3085	3083	✓
	CZ10.2	14:28	6.29	13.3	1904	227	0.8	.07	576	529	✓
	C-14-1	15:01	6.57	12.1	3752	85	1.6	.04	3076	3074	✓
	C-15-1	15:17	6.36	11.9	5153	161	4.2	0.06	3073	3070	✓
	C-19-1	15:32	6.21	12.6	2318	64	0.7	.02	3086±10	3044±11	✓
	C-18-1	15:48	4.57	35.9	5104	244	3.7	.05	2244±6	2263±10	✓
	CZ10b.1	16:09	4.56	35.9	1335	272	0.8	.05	607±1	520±54	✓
	C-16-1	16:27	4.7	31.9	4479	324	5.6	.09	1680±3	2016±10	✓
	C-16-2	16:42	4.5	33.4	1635	65	3.8	.12	3071±17	3033±13	✓
	C-17-1	16:58	4.5	35.0	1939	66	—	—	3264±17	3087±11	✓
	C-17-2	17:11	5.0	28.9	4265	309	36.8	.83	1270±2	1844±19	✓
	C-20-1	17:28	4.7	33.4	6468	202	18	.21	2852±8	2932±7	✓
	C-21-1	17:42	4.59	33.1	1503	48	5.3	.21	3248±20	3147±13	✓
	CZ10b.2	17:56	4.55	36.2	1350	267	4.7	.30	623±1	460±60	✓
	C-21-2	18:11	4.82	29.3	4303	252	309	5.6	1705±6	2161±35	✓
	C-24-1	18:26	4.39	32.2	1734	684	—	—	3438±20	3209±11	✓
	C-25-1	18:38	4.48	36.2	950	30.0	1.1	.07	3449±28	3170±15	✓
	C-26-1	18:52	4.62	32.5	5528	304.3	1.6	.02	2068±5	2089±9	✓
	CZ11a.1	19:05	4.52	36.8	1334	271.1	2.4	0.15	624±1	562±55	✓
	C-27-1	19:18	4.77	30.4	4439	252.7	11.3	.20	1857±4	2060±12	✓
	C-27-2	19:31	4.58	34.5	2405	79.9	15.5	.40	3098±14	2986±12	✓
	C-28-1	19:45	4.51	35.1	2888	122.1	12.2	.26	2683±10	2798±11	✓
	C-28-2	19:57	4.50	32.5	3223	115.5	2.8	.05	3305±14	3122±9	✓
	CZ11b.1	20:12	4.58	35.7	1361	269	15.3	0.99	607.3±1	501±79	✓

for 98-102
per 1/2 de 06

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C.30.1	20:25	4.79	28.7	2396	116.4	81.	2.28	2161±9	2818±20	✓
	C.35.1	20:52	5.01	27.9	4183	285	11.7	.26	1403±3	1898±15	✓
	C.35.2	21:05	4.51	33.7	4650	176	14.2	.17	3016±10	3047±7	✓
	C.35.3	21:18	4.86	31.2	6775	286	99.2	1.15	2163±5	2828±9	✓
	C.36.1	21:34	5.00	27.6	4651	166	26.4	.43	2505±7	2999±8	✓
	C.32.2	21:46	4.55	29.7	1133	40	1.6	.072	3404±25	3025±15	✓
	C.212 ^a 1	22:03	4.61	36.8	1309	257	1.9	.09	581±1	517±44	✓
	C.38.1	22:18	4.52	29.1	1863	64	—	—	3601±21	3141±11	✓
	C.40.1	22:32	4.47	33.7	3449	121	4.3	.03	3327±14	3120±8	✓
	C.43.1	22:53	4.35	29.9	3359	243	3.9	.05	2325±7	2588±11	✓
	C.212 ^a 2	23:11	4.66	34.3	1320	243	1.5	.11	628±1	511±44	✓
	C.45.1	23:25	4.84	29.0	4734	269	204.8	3.25	1777±5	2354±22	✓
	C.47.1	23:47	4.46	29.0	298	14	20.8	3.20	2870±42	3035±65	✓
	C.47.2	23:59	5.09	26.4	3596	201	197.1	4.92	1593±6	2113±38	✓
	C.48.1	00:13	4.58	33.7	3574	117	6.9	.12	3181±13	3105±9	✓
	C.212b.1	00:27	4.58	34.5	1275	255	0.8	.05	626±1	630±46	✓
	C.50.1	00:42	4.62	34.4	4607	249	12.2	-.20	1994±5	2063±11	✓
	C.50.2	00:54	4.64	30.5	1743	61	6.8	.23	3095±17	3147±13	✓
	C.51.1	01:06	4.47	32.2	1430	62	1.8	.07	2932±17	2654±15	✓
	C.212c.1	01:20	4.54	36.7	1333	265	1.7	.11	623±1	450±45	✓
	C.58.1	01:38	5.0	24.3	3928	282	18.4	.37	1522±3	1925±15	✓
	C.60.1	01:58	6.5	11.8	4232	185	1.1	.03	1910±5	2039±11	✓
	C.59.1	02:14	6.4	10.9	4143	232	7.6	-.15	1766±5	2047±11	✓
	C.61.1	02:29	6.5	11.9	3210	131	3.4	-.10	2059±7	2077±13	✓
	C.62.	02:43	6.4	11.8	3022	127	0.9	.03	2071±7	2077±12	✓

Perf. de Pb
de Pb
Hydraturs
+
Zinnkamei
FRAT.
Pb → Perf. de

P

