

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
12/5/97	96-75	MEB, AGM	IRF, JD

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
Phanerozoic*	Delay time (secs):	8	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 = 8.168 actual 204-bkg = 0.042 expected resolution = >4200
 actual 206-207 = ~~2.000~~ 1.001 actual 206-208 = 2.000 actual resolution = 5100
 Primary = 2.2 nA PESABM = 28 pA actual Primary : PESABM (= 50:1) = 78
 Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 7

Comments: *On Sample A (Roosting) some spots v. close together.*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 k cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr.
<i>2 min / 100 μ</i>	<i>all in</i> sl 675.3-1	<i>10:44</i>	<i>7.38</i>	<i>11.5</i>	<i>1385</i>	<i>-</i>	<i>5.7</i>	<i>.58</i>	<i>-</i> <i>600</i>	<i>208</i>
<i>3 min / 100 μ</i>	<i>-</i> sl 3-2	<i>11:05</i>	<i>7.21</i>	<i>11.4</i>	<i>1412</i>	<i>238</i>	<i>2.3</i>	<i>.27</i>	<i>583</i> <i>586</i>	<i>208</i>
<i>2 min / 120 μ</i>	<i>-</i> sl 3-3	<i>11:24</i>	<i>7.33</i>	<i>11.3</i>	<i>1453</i>	<i>234</i>	<i>-ve</i>	<i>.10</i>	<i>585</i> <i>500</i>	<i>208</i>
<i>(1-1 min file)</i>	<i>-</i> uA 1-2	<i>11:47</i>	<i>7.65</i>	<i>11.6</i>	<i>1234</i>	<i>42</i>	<i>20.</i>	<i>1.8</i>	<i>2092</i> <i>2047 ± 25</i>	<i>204</i>
	<i>-</i> A. 2-3	<i>12:09</i>	<i>7.19</i>	<i>11.4</i>	<i>1771</i>	<i>74</i>	<i>1.6</i>	<i>.08</i>	<i>2079</i> <i>2064 ± 12</i>	<i>204</i>
	<i>-</i> A. 7-2	<i>12:31</i>	<i>7.62</i>	<i>11.3</i>	<i>2121</i>	<i>79</i>	<i>31.</i>	<i>1.6</i>	<i>2014</i> <i>2076 ± 19</i>	<i>204</i>
	<i>-</i> sl 3-4	<i>12:53</i>	<i>7.16</i>	<i>12.1</i>	<i>1463</i>	<i>234</i>	<i>1.9</i>	<i>.09</i>	<i>587</i> <i>590</i>	<i>208</i>
	<i>-</i> A. 6-2	<i>13:13</i>	<i>7.35</i>	<i>11.7</i>	<i>2147</i>	<i>82</i>	<i>2.5</i>	<i>.12</i>	<i>2086</i> <i>2052 ± 10</i>	<i>204</i>
<i>? - inclusion?</i>	<i>Delete last scan</i> A. 5-2	<i>13:35</i>	<i>6.72</i>	<i>10.5</i>	<i>963</i>	<i>47</i>	<i>160.</i>	<i>12.</i>	<i>2079</i> <i>1980 ± 77</i>	<i>204</i>
	<i>all in</i> A. 4-2	<i>13:56</i>	<i>7.70</i>	<i>11.9</i>	<i>2359</i>	<i>79</i>	<i>15.</i>	<i>.76</i>	<i>2077</i> <i>2048 ± 14</i>	<i>204</i>
	<i>-</i> A. 1-3	<i>14:17</i>	<i>7.32</i>	<i>11.7</i>	<i>1910</i>	<i>74</i>	<i>22.</i>	<i>1.7</i>	<i>2072</i> <i>2051 ± 18</i>	<i>204</i>

Mount/sample No: 96-75

Date: 12/5/97

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Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 k cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	A.4-3	14:39	7.39	12.7	2129	90	2.5	.11	2063	2058±9	204
↓ A	sl. 3-5	15:07	7.83	9.9	1458	223	1.1	.09	588	565	204
↓ B	B.5-1	15:29	7.78	11.6	8289	234	69.	.88	2371	2765	204
very non-linear	B.6-1	15:51	8.61	9.4	39K	1.11K	38.	.11	2276	2338	204
	B.7-1	16:12	7.86	10.3	15K	386	0.7	.00	2741	2764	204
	B.8-1	16:32	7.50	12.0	2944	73	1.7	.06	2801	2922	204
	sl. 3-6	16:57	7.22	11.2	1398	235	0.6	.07	588	636	208
	B.9-1	17:18	7.53	11.7	2552	59	2.9	.11	2995	2988	204
extremely non-linear Pb	B.10-1	17:42	8.19	10.6	191K	435	74.	.42	2786	2747	204
non-linear Pb	B.11-1	18:13	8.01	10.1	18K	564	27.	.13	2371	2568	204
	B.12-1	18:34	7.91	10.9	11 K	304	3.4	.03	2553	2759	204
	sl. 3-7	18:57	7.71	8.9	1258	229	-	-	575	567	-
	B.13-1	19:20	7.56	10.4	9447	274	18.6	.17	2726	2756	204
	B.14-1	19:41	7.82	10.3	14 K	386	6.7	.05	2709	2728	204
	B.15-1	20:06	7.74	9.9	12 K	385	3.3	.03	2538	2662	204
	B.16-1	20:28	7.19	11.8	1068	28	-	-	2975	2943	-
wrong sample label U1675	sl. 3-8	20:50	7.01	12.6	1442	239	-	-	579	584	-
lots of reject cts	B.17-1	21:15	8.90	10.3	19.9K	624	28.5	.21	1809	2244	204
	B.18-1	21:37	7.51	10.0	11.5 K	350	-	-	2745	2782	-
	B.19-1	21:58	7.27	10.1	1682	49	0.6	.03	3019	2930	204
	B.19-2	22:20	7.12	11.6	1872	56	0.7	.03	2795	2906	204
	sl. 3-9	22:44	7.49	10.0	1351	232	1.4	.11	583	502	204
v. li 204 should have batted	B.20-1	23:05	7.98	9.3	10.6 K	514	568	5.4	1635	1981	204
	B.21-1	23:26	7.55	9.6	9.5 K	330	8.5	.07	2516	2709	204
Del U(4) Th(4)	B.22-1	23:50	7.07	11.1	1082	32	1.8	.13	3009	2933	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	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	B.23-1	00:10	7.14	10.1	2562	79	-	-	3008	2917	-
	sl.3-10	00:33	7.69	9.7	1338	223	-	-	577	582	-
	B.24-1	00:57	8.17	9.1	13.2K	389	57.2	.42	2547	2583	204
	B.25-1	01:18	7.87	9.2	13 K	410	4.8	.03	2537	2583	204
	B.26-1	01:39	7.09	10.3	5010	171	19.7	.28	2780	2927	204
	B.27-1	02:01	7.79	8.5	12.2K	506	5.6	.04	2243	2572	204
	sl.3-11	02:26	7.41	10.5	1326	225	-	-	578	605	-
	C.1-1	02:50	8.35	9.1	24 K	815	66.4	.29	2146	2499	204
	C.2-1	03:11	8.69	8.1	24.7K	1307	263	1.18	1467	1943	204
	C.3-1	03:34	8.22	9.4	13.4K	596	38	.30	1711	2256	204
	C.4-1	04:10	7.74	10.2	5641	159	4.9	.08	2709	2773	204
	sl.3-12	04:32	7.31	11.2	1361	227	-	-	574	592	-
	C.5-1	04:54	7.19	13.7	11.4 K	581	146	1.3	1495	2503	204
	C.6-1	05:18	7.27	11.6	1218	33	1.1	.08	2871	2777	204
	C.7-1	05:47	7.17	14.1	7595	523	11.8	.18	1123	1939	204
	C.8-1	06:09	7.19	11.6	19 K	839	16.2	.07	2004	2652	204
	sl.2-3	06:30	7.45	12.0	1511	225	-	-	571	574	-
	C.9-1	06:54	7.86	11.4	9946	311	14.5	.16	2172	2754	204
	C.10-1	07:15	8.28	9.3	20 K	1296	48.3	.29	1210	1499	204
	sl.2-4	07:37	7.31	11.6	1404	231	-	-	565	552	-

Delete 1st and last scan to avoid "div zero" type error in Hill

all in

(K)

↑ B

↓ C
may non-linear