

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 29-3-99 UWA Mount No.: 98-101 Whose sample?: Blake/Barley Operator(s): IF/SB/MD

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

Precambrian Count time (secs): 2 10 10 10/20 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 = 0.045 amu Dead-time = 32 nanosecs

actual 196-204 = 8.170 actual 204-bkg = 0.044 expected resolution = >4200

actual 206-207 = 0.99996 actual 206-208 = 1.99993 actual resolution = 5100

Primary = 2.8 nA PESABM = 40 pA actual Primary : PESABM (= 50:1) =

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: Standards : n=12 , error = 1.53%

incorrect recording
Range: 5.98-6.90

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	<u>Sl.7-1</u>	<u>12:53</u>	<u>6.42</u>	<u>15.3</u>	<u>1506</u>	<u>220</u>	<u>2.4</u>	<u>.02</u>	<u>572 ± 1</u>	<u>590 ± 30</u>	<u>208 corr.</u>
	<u>Sl.7-2</u>	<u>13:14</u>	<u>6.38</u>	<u>15.4</u>	<u>1498</u>	<u>219</u>	<u>1.5</u>	<u>.01</u>	<u>575 ± 1</u>	<u>548 ± 31</u>	<u>"</u>
	<u>A23-1</u>	<u>13:39</u>	<u>6.19</u>	<u>15.5</u>	<u>2860</u>	<u>81</u>	<u>5.4</u>	<u>.17</u>	<u>2725 ± 9</u>	<u>2734 ± 7</u>	<u>204 corr.</u>
	<u>A.25-1</u>	<u>13:58</u>	<u>6.42</u>	<u>14.9</u>	<u>2659</u>	<u>70</u>	<u>4.3</u>	<u>.16</u>	<u>2735 ± 10</u>	<u>2745 ± 8</u>	
	<u>Sl.7-3</u>	<u>14:40</u>	<u>6.42</u>	<u>15.7</u>	<u>1483</u>	<u>218</u>	<u>2.0</u>	<u>.18</u>	<u>553 ± .7</u>	<u>530 ± 30</u>	
	<u>A24-1</u>	<u>15:07</u>	<u>6.42</u>	<u>15.6</u>	<u>1327</u>	<u>41</u>	<u>2.4</u>	<u>.15</u>	<u>2714 ± 13</u>	<u>2760 ± 11</u>	<u>✓</u>
	<u>A1-1</u>	<u>15:39</u>	<u>6.42</u>	<u>15.2</u>	<u>2758</u>	<u>73</u>	<u>1.0</u>	<u>.04</u>	<u>2709 ± 10</u>	<u>2730 ± 7</u>	<u>✓</u>
	<u>A.3-1</u>	<u>16:06</u>	<u>6.42</u>	<u>16.6</u>	<u>3096</u>	<u>86</u>	<u>11.5</u>	<u>.86</u>	<u>2596 ± 1.8</u>	<u>2747 ± 8</u>	<u>✓</u>
	<u>A2-1</u>	<u>16:29</u>	<u>6.42</u>	<u>16.5</u>	<u>2198</u>	<u>49</u>	<u>9.7</u>	<u>.47</u>	<u>2873 ± 12</u>	<u>2911 ± 9</u>	<u>✓</u>
	<u>Sl.7-4</u>	<u>16:57</u>	<u>6.42</u>	<u>14.3</u>	<u>1398</u>	<u>224</u>	<u>2.6</u>	<u>.05</u>	<u>564 ± .7</u>	<u>589 ± 20</u>	<u>✓</u>
	<u>A26-1</u>	<u>17:27</u>	<u>6.42</u>	<u>13.2</u>	<u>1899</u>	<u>53</u>	<u>1.0</u>	<u>.05</u>	<u>2878 ± 13</u>	<u>2757 ± 9</u>	<u>✓</u>

Mount/sample No: 98-101

Date: 29-3-99

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	A27-1	17:53	6.42	13.3	1557	43.1	1.0	.06	2769±13	2740±10	✓
	A28-1	18:13	6.42	10.0	1008	34.0	7.2	0.5	3029±19	2588±15	✓
	A29-1	18:50	6.42	15.2	1760	45.8	0.5	0.03	2765±12	2734±9	✓
	A30-1	19:15	6.42	14.4	2555	67.5	0.6	0.02	2788±10	2749±7	✓
	S17-5	19:42	6.42	14.0	1396	225	1.4	0.07	567±7	634±20	✓
	A31-1	20:05	6.42	14.0	1420	41.3	2.3	0.05	2709±13	2752±10	✓
	A36-1	20:26	6.42	12.7	1534	48.3	1.8	.09	2771±13	2739±10	✓
	A35-1	21:00	6.42	13.7	1623	47.7	0.1	.003	2762±13	?	✓
	A9-1	21:26	6.42	12.8	1401	43.2	1.7	0.1	2755±14	2748±10	✓
	A11-1	21:48	6.42	13.7	1603	37.8	1.9	.09	3426±18	3462±7	✓
	S17-6	22:09	6.42	13.7	1357	223.7	-1.4	0.09	575±7	567±21	✓
	A10-1	22:42	6.42	14.7	2259	56.9	0.8	.04	2731±11	2748±8	✓
	A32-1	23:03	6.42	13.8	1731	52.7	3.5	.17	2726±12	2736±9	✓
	A33-1	23:38	6.42	13.4	1339	32.9	1.7	.09	3377±20	3420±8	✓
	A12-1	00:2	6.42	12.3	6519	240	11.4	.13	2604±6	2749±5	✓
	A14-1	00:24	6.42	11.9	1424	39.8	32.7	1.9	2820±15	2733±18	✓
stage run	S17B-1	00:23	6.42	12.6	1114	243	1.3	.11	547±7	560±7	✓
	S17B-2	1:47	6.42	12.3	1263	220	2.1	.18	562±7	577±22	✓
	A13-1	2:09	6.42	12.9	1219	34.7	2.2	.16	2749±15	2750±11	✓
	A15-1	2:34	6.42	13.3	2204	68.5	1.8	.07	2762±11	2734±8	✓
	A16-1	2:56	6.42	12.7	2034	60.6	6.1	.26	2684±11	2918±9	✓
	A17-1	3:16	6.42	12.9	1469	42.1	1.3	.08	2682±13	2733±10	✓
	S17B-3	3:38	6.42	13.2	1336	224	2.1	.08	569±7	561±22	✓
	A18-1	4:03	6.42	12.1	3726	101.6	3.3	.03	2980±10	2967±6	✓
	A19-1	4:23	6.42	12.0	1380	49.4	6.0	.31	2723±14	2763±11	✓

