

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 2-7/6/98 UWA Mount No.: 98-30 Whose sample?: Blake Operator(s): IRF+SB

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 = 0.045 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5336

Primary = 3.6 nA PESABM = 50 pA actual Primary : PESABM (= 50:1) = 72

Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 6

Comments: stds: 1.28%
n=14 (whole session)

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	196-204 206-207 206-208 Corr.
	<u>sl.6-1</u>	<u>11:45</u>	<u>6.58</u>	<u>18.7</u>	<u>2297</u>	<u>-</u>	<u>0.8</u>	<u>.07</u>	<u>-</u> <u>533</u>	<u>OK.</u>
	<u>sl.6-2</u>	<u>12:02</u>	<u>6.63</u>	<u>20.1</u>	<u>2354</u>	<u>208</u>	<u>0.9</u>	<u>.09</u>	<u>564</u> <u>598</u>	<u>8.168</u> <u>1.000</u> <u>2.000</u>
	<u>A.24-1</u>	<u>12:21</u>	<u>6.53</u>	<u>19.8</u>	<u>2535</u>	<u>41</u>	<u>0.7</u>	<u>.05</u>	<u>2779</u> <u>2764</u>	<u>-</u>
	<u>A.25-1</u>	<u>12:39</u>	<u>6.55</u>	<u>19.6</u>	<u>4111</u>	<u>66</u>	<u>0.2</u>	<u>.01</u>	<u>2780</u> <u>2771</u>	<u>-</u>
	<u>A.26-1</u>	<u>12:56</u>	<u>6.47</u>	<u>19.9</u>	<u>2993</u>	<u>49</u>	<u>1.3</u>	<u>.07</u>	<u>2785</u> <u>2754</u>	<u>-</u>
	<u>sl.6-3</u>	<u>13:16</u>	<u>6.46</u>	<u>20.0</u>	<u>2300</u>	<u>216</u>	<u>-74</u>	<u>-</u>	<u>575</u> <u>529</u>	<u>-</u>
	<u>D.1-1</u>	<u>13:34</u>	<u>6.97</u>	<u>17.7</u>	<u>3630</u>	<u>203</u>	<u>14.</u>	<u>.81</u>	<u>850</u> <u>945</u>	
	<u>D.2-1</u>	<u>13:55</u>	<u>6.62</u>	<u>17.8</u>	<u>5271</u>	<u>778</u>	<u>20.</u>	<u>.74</u>	<u>388</u> <u>289</u>	<u>-</u>
	<u>D.3-1</u>	<u>14:13</u>	<u>6.55</u>	<u>19.9</u>	<u>1808</u>	<u>257</u>	<u>1.4</u>	<u>.16</u>	<u>374</u> <u>432</u>	<u>204.</u>
	<u>D.4-1</u>	<u>14:32</u>	<u>6.08</u>	<u>19.5</u>	<u>1223</u>	<u>236</u>	<u>32</u>	<u>4.1</u>	<u>343</u> <u>497</u>	
	<u>sl.6-4</u>	<u>14:53</u>	<u>6.42</u>	<u>20.2</u>	<u>2216</u>	<u>222</u>	<u>-0.3</u>	<u>.05</u>	<u>551</u> <u>597</u>	<u>208.</u>

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		Corr.
	D.5-1	15:14	6.14	20.9	2897	81	5.4	.28	1948 ± 6	2000 ± 11	204
	D.5-2	15:35	6.30	20.5	2242	58	2.6	.19	1972 ± 7	1989 ± 13	204
	D.6-1	15:55	6.46	17.9	1279	216	1.5	.21	364 ± 1	334 ± 45	204
	D.7-1	16:13	6.53	17.6	11.8K	332	1.4	.02	1907 ± 3	2024 ± 4	204
	D.8-1	16:34	6.50	19.4	3780	89	3.6	.16	2065 ± 6	2009 ± 8	204
	SI.1-1	16:55	6.40	18.7	2163	233	0.8	.07	557	580	208
	A.27-1	17:14	6.38	19.3	2499	43	0.0	<.01	2831 ± 12	2766 ± 7	204
	A.28-1	17:33	6.26	19.24	2335	45	-0.6	—	2741 ± 11	2754 ± 7	—
	A.29-1	17:53	6.54	18.8	3949	67	-0.4	—	2763 ± 9	2777 ± 6	—
	A.30-1	18:13	6.34	18.2	2198	43	0.1	.01	2733 ± 12	2749 ± 8	204
	SI.1-2	18:34	6.40	19.5	2237	230	0.4	.04	558	567	204
	A.31-1	18:52	6.30	19.2	1909	36	0.6	.04	2764 ± 13	2762 ± 10	204
	A.32-1	19:12	6.42	18.1	3223	61	-0.6	—	2733 ± 10	2774 ± 6	—
	A.33-1	19:31	6.62	18.6	1349	22	0.3	.04	2790 ± 10	2762 ± 11	204
	SI.1-3	19:50	6.49	18.0	2056	219	-0.4	.01	559	587	208