

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 6/7/96 UWA Mount No. 96-34 Whose sample? J Smith Operator(s) J Smith

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): 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 = 8.16983 actual 204-bkg = 0.045 expected resolution = >4200

actual 206-207 = 1.00137 actual 206-208 = 1.99844 actual resolution = 4884

Primary = 2.4 nA PESABM = 4.0 pA actual Primary : PESABM (≈ 50:1) = 60

Raster time (mins): 3 Raster aperture (microns): 100 No. of scans: 7

Comments:

Population A N4236 SSZ Nickel R granite
C N3132b

Th ppm
12
14
12
10
7
12
40
10
7
slight return of 10
14

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f ₂₀₆ % (204)	Age ±1σ (Ma) 206/238 (205)	207/206 (204)	Corr. Comments Calibration
	<u>sl634.3-1</u>	<u>1414</u>	<u>7.75</u>	<u>13</u>	<u>1511</u>	<u>220</u>	<u>4.5</u>	<u>0.38</u>	<u>570</u>	<u>565</u>	
	<u>sl634.3-2</u>	<u>1437</u>	<u>7.50</u>	<u>14</u>	<u>1583</u>	<u>228</u>	<u>1.9</u>	<u>0.15</u>	<u>582</u>	<u>664</u>	
	<u>U634A1.1</u>	<u>1512</u>	<u>7.65</u>	<u>12</u>	<u>1483</u>	<u>35</u>	<u>1.6</u>	<u>0.10</u>	<u>3087</u>	<u>3032</u>	
	<u>sl634.3-3</u>	<u>1535</u>	<u>7.71</u>	<u>12</u>	<u>1582</u>	<u>228</u>	<u>3.6</u>	<u>0.29</u>	<u>593</u>	<u>501</u>	
	<u>U634A2.1</u>	<u>1600</u>	<u>8.07</u>	<u>12</u>	<u>1433</u>	<u>29</u>	<u>3.8</u>	<u>0.27</u>	<u>3060</u>	<u>3020</u>	
	<u>U634A3.1</u>	<u>1624</u>	<u>8.07</u>	<u>12</u>	<u>784</u>	<u>16</u>	<u>4.3</u>	<u>0.56</u>	<u>3079</u>	<u>2995</u>	
	<u>sl634.3-4</u>	<u>1659</u>	<u>7.67</u>	<u>12</u>	<u>1489</u>	<u>228</u>	<u>3.5</u>	<u>0.28</u>	<u>584</u>	<u>568</u>	
	<u>U634A4.1</u>	<u>1725</u>	<u>7.98</u>	<u>12</u>	<u>3129</u>	<u>67</u>	<u>3.6</u>	<u>0.11</u>	<u>3040</u>	<u>3021</u>	No outliers
	<u>U634A5.1</u>	<u>1750</u>	<u>7.91</u>	<u>12</u>	<u>878</u>	<u>19</u>	<u>4.2</u>	<u>0.46</u>	<u>3057</u>	<u>3024</u>	No outliers
	<u>U634A6.1</u>	<u>1817</u>	<u>8.22</u>	<u>11</u>	<u>840</u>	<u>18</u>	<u>1.8</u>	<u>0.21</u>	<u>3021</u>	<u>3019</u>	No outliers
	<u>U634A7.1</u>	<u>1844</u>	<u>8.02</u>	<u>13</u>	<u>1936</u>	<u>36</u>	<u>5.4</u>	<u>0.31</u>	<u>3058</u>	<u>3007</u>	No outliers

Mount/sample No: 9634

Date: 26/7/96

Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps K	206 cps	U ppm	204Pb ppb	f206 % (204)	Age $\pm 1\sigma$ (Ma) 206/238 (208)	207/206 (204)	Corr. Comment
Th ppm 12	S/634.3-5	1907	7.81	13	1694	226	3.8	0.31	585	568	No outliers
16	U634A8.1	1933	7.96	13	1426	28	4.6	0.34	3054	3018	1 st stepped db 238#1 & 254#1
12	U634A9.1	2001	7.88	14	1502	27	3.6	0.27	3080	3019	No outliers
8	U634A10.1	2028	7.84	13	890	18	4.8	0.55	3073	2992	No outliers
18	U634A11.1	2052	7.50	13	1597	36	4.6	0.26	3109	3013	No outliers
11	S/634.3-6	2115	7.92	13	1713	218	4.9	0.40	586	496	No outliers
15	U634A12.1	2141	7.66	13	2031	42	4.6	0.22	3109	3008	No outliers
7	U634A13.1	2206	7.88	14	1082	19	2.6	0.28	3099	3003	No outliers
11	U634A14.1	2230	7.69	16	1635	29	5.7	0.40	3084	3015	No outliers
16	U634A15.1	2254	7.81	15	2400	42	5.7	0.27	3163	3008	No outliers
11	S/634.3-7	2316	7.92	14	1866	217	4.4	0.36	583	530	No outliers
13	U634A16.1	2343	7.76	14	1760	34	4.3	0.25	3119	3036	No outliers
16	U634A17.1	0011	7.62	15	2695	50	4.4	0.18	3120	3015	No outliers
25	U634A18.1	0035	7.83	15	3223	55	3.5	0.13	3090	3019	No outliers
10	U634A19.1	0102	7.36	17	1199	22	5.2	0.49	3105	3023	No outliers
11	S/634.3-8	0129	7.51	17	1908	222	4.3	0.36	574	520	No outliers
	U634A	ARC DROPPED OUT									
11	S/634.3-9	0255	7.73	15	1783	221	1.4	0.11	576	612	No outliers
12	U634A20.1	0324	7.038	16	1194	28	1.9	0.15	—	3028	No outliers
7	U634A21.1	0349	8.03	13	943	17	2.9	0.34	3121	3005	No outliers
31	U634A22.1	0414	7.95	13	2669	51	3.2	0.13	3096	3018	No outliers
15	U634A23.1	0439	7.80	16	1987	34	2.7	0.16	3083	3005	No outliers
11	S/634.3-10	0502	7.80	14	1727	218	0.8	0.06	569	601	No outliers
28	U634A24.1	0526	7.70	14	2798	55.3	3.2	0.12	—	3017	No outliers
10	U634A25.1	0549	7.85	14	1529	29	2.8	0.20	3080	3016	No outliers

