

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 4/8/96 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
<b>Precambrian</b>	Count time (secs):	2	10	10	10	<u>30/10</u>	10	5	5	2
<b>Phanerozoic*</b>	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 = <u>32</u> nanosecs						
actual 196-204 = .....		actual 204-bkg = .....		expected resolution = >4200						
actual 206-207 = .....		actual 206-208 = .....		actual resolution = .....						
Primary = <u>2.8</u> nA		PESABM = <u>40</u> pA		actual Primary : PESABM (= 50:1) = <u>70</u>						
Raster time (mins): <u>2</u>		Raster aperture (microns): <u>100</u>		No. of scans: <u>6</u>						

Comments: B: N3214  
Stage position 1

Th  
(ppm)

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 % (204)	Age ±1σ (Ma) 206/238 (208)	207/206 (204)	Comments
											<u>calib</u>
<u>12</u>	<u>S/634.1-1</u>	<u>0132</u>	<u>6.96</u>	<u>14.9</u>	<u>1837</u>	<u>220</u>	<u>3.0</u>	<u>0.26</u>	<u>571</u>	<u>515</u>	<u>No Outliers</u>
<u>13</u>	<u>S/634.1-2</u>	<u>0154</u>	<u>6.79</u>	<u>13.3</u>	<u>1626</u>	<u>230</u>	<u>2.8</u>	<u>0.22</u>	<u>578</u>	<u>597</u>	<u>No Outliers</u>
<u>86</u>	<u>U634B1.1</u>	<u>0236</u>	<u>7.01</u>	<u>12.5</u>	<u>5651</u>	<u>112</u>	<u>980</u>	<u>16.5</u>	<u>2808</u>	<u>3282</u>	<u>No Outliers</u>
<u>42</u>	<u>U634B2.1</u>	<u>0316</u>	<u>7.23</u>	<u>11.2</u>	<u>2875</u>	<u>81</u>	<u>204</u>	<u>6.9</u>	<u>2339</u>	<u>3059</u>	<u>No Outliers</u>
<u>11</u>	<u>S/634.1-3</u>	<u>0342</u>	<u>7.20</u>	<u>10.4</u>	<u>1307</u>	<u>206</u>	<u>5.1</u>	<u>0.47</u>	<u>560</u>	<u>564</u>	<u>No Outliers</u>
<u>90</u>	<u>U634B3.1</u>	<u>0408</u>	<u>7.47</u>	<u>10.7</u>	<u>3523</u>	<u>93</u>	<u>47</u>	<u>1.33</u>	<u>—</u>	<u>3214</u>	<u>No Outliers</u>
<u>150</u>	<u>U634B4.1</u>	<u>0437</u>	<u>6.68</u>	<u>13.7</u>	<u>6082</u>	<u>138</u>	<u>1254</u>	<u>19.69</u>	<u>2416</u>	<u>3026</u>	<u>No Outliers</u>
<u>59</u>	<u>U634B5.1</u>	<u>0500</u>	<u>6.97</u>	<u>13.8</u>	<u>5532</u>	<u>105</u>	<u>7.5</u>	<u>0.14</u>	<u>—</u>	<u>3224</u>	<u>No Outliers</u>
<u>64</u>	<u>U634B6.1</u>	<u>0523</u>	<u>7.21</u>	<u>13.4</u>	<u>7334</u>	<u>135</u>	<u>344</u>	<u>5.32</u>	<u>2906</u>	<u>3164</u>	<u>No Outliers</u>
<u>12</u>	<u>S/634.1-4</u>	<u>0546</u>	<u>7.10</u>	<u>12.7</u>	<u>1663</u>	<u>222</u>	<u>3.7</u>	<u>0.31</u>	<u>563</u>	<u>494</u>	<u>No Outliers</u>
<u>2</u>	<u>U634B7.1</u>	<u>0615</u>	<u>6.87</u>	<u>12.6</u>	<u>5750</u>	<u>133</u>	<u>33</u>	<u>0.54</u>	<u>2958</u>	<u>3071</u>	<u>No Outliers</u>

Th  
(ppm)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps K	206 cps	U ppm	204Pb ppb	f206 % (204)	Age ±1σ (Ma) 206/238 (208) 207/206 (204)		Comments outliers
29	u634B8.1	0639	6.80	12.1	3815	101	178	4.09	2745	3105	No outliers
119	u634B9.1	0705	7.82	10.6	13305	218	4962	42.2	2055	3140	No Outliers
40	u634B10.1	0736	7.30	11.1	2547	66	6.9	0.27	2606	3036	No Outliers
12	s1634.1-5	0800	7.21	10.9	1472	219	3.0	0.25	561	568	No Outliers
22	u634B11.1	0824	7.25	12.4	3501	74	4.5	0.14	2873	2996	No Outliers
41	u634B12.1	0846	7.00	13.3	3345	70	128	3.8	2895	3271	No Outliers
31	u634B13.1	0907	7.11	12.5	2440	47	39	1.6	3156	3265	No Outliers
42	u634B14.1	0928	7.30	12.6	4022	81	54	1.44	2859	3304	No Outliers
12	s1634.1-6	0948	7.18	12.1	1585	221	2.8	0.24	548	575	No Outliers
23	u634B14.2	1009	7.44	11.3	3481	70	41	1.26	3004	3028	No Outliers
79	u634B15.1	1032	7.17	12.0	4665	96	15.9	0.33	—	3264	No Outliers
22	u634B16.1	1054	7.16	12.2	2278	46	13.5	0.60	3046	3136	No Outliers
44	u634B17.1	1115	7.17	12.1	4545	90	14.4	0.31	3148	3305	No Outliers
66	u634B18.1	1136	7.08	11.8	4498	90	33	0.68	3246	3253	No Outliers
12	s1634.1-7	1158	7.04	11.6	1477	220	3.5	0.30	565	638	No Outliers

