

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 3/5/96 UWA Mount No.: 96-05 Whose sample?: MEB/Buick? Operator(s): IF

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 = 8.168 actual 204-bkg = 0.040 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 1.000 actual resolution = 4774

Primary = 2.6 nA PESABM = 38 pA actual Primary : PESABM (= 50:1) = 68

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

Comments: ① Checked 206-7-8, moved collector +2

2r/U = 1.93493 Calibra^u Err = 1.2037%
UO/U = 6.30430
Pb^{*}/U = 0.216691
n = 7 n_A = 12

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
<u>196, 248</u>	<u>sl605.2-8</u>	<u>10:44</u>	<u>6.25</u>	<u>15.9</u>	<u>1719</u>	<u>-</u>	<u>1.0</u>	<u>0.08</u>	<u>-</u> ⁵⁵⁹	<u>552</u>	<u>-</u>
<u>196, 206, 238, 248</u>	<u>2-9</u>	<u>11:02</u>	<u>6.42</u>	<u>16.3</u>	<u>1752</u>	<u>205</u>	<u>0.1</u>	<u>0.01</u>	<u>559</u> ⁵⁵⁴	<u>574</u>	<u>208</u>
<u>196, 206, 207, 208, 248</u>	<u>u615A.2H</u>	<u>11:23</u>	<u>6.32</u>	<u>16.8</u>	<u>5295</u>	<u>120</u>	<u>1.6</u>	<u>0.04</u>	<u>2510</u> ⁵⁶¹	<u>2465</u>	<u>204</u>
<u>196, 206, 207,</u>	<u>sl 2-10</u>	<u>12:09</u>	<u>6.41</u>	<u>16.8</u>	<u>1943</u>	<u>214</u>	<u>-ve</u>	<u>-</u>	<u>577</u>	<u>541</u>	<u>-</u>
<u>196, 206, 248, 254</u>	<u>A.22-1</u>	<u>12:27</u>	<u>6.09</u>	<u>16.4</u>	<u>5423</u>	<u>142</u>	<u>11.</u>	<u>0.23</u>	<u>2500</u>	<u>2514</u>	<u>204</u>
<u>206, 207, 238, 248, 254</u>	<u>23-1</u>	<u>12:48</u>	<u>6.22</u>	<u>16.3</u>	<u>5112</u>	<u>122</u>	<u>-ve</u>	<u>-</u>	<u>2579</u>	<u>2440</u>	<u>-</u>
<u>196, 206, 207, 238, 254</u>	<u>24-1</u>	<u>13:11</u>	<u>6.17</u>	<u>17.3</u>	<u>3464</u>	<u>84</u>	<u>0</u>	<u>0</u>	<u>2485</u>	<u>2455</u>	<u>204</u>
<u>196, 238</u>	<u>25-1</u>	<u>13:31</u>	<u>6.25</u>	<u>17.3</u>	<u>2026</u>	<u>48</u>	<u>0.1</u>	<u>0.01</u>	<u>2429</u>	<u>2454</u>	<u>204</u>
<u>196, 206</u>	<u>sl 2-11</u>	<u>13:50</u>	<u>6.22</u>	<u>17.0</u>	<u>1874</u>	<u>221</u>	<u>0.1</u>	<u>0</u>	<u>586</u> ⁵⁶⁴	<u>525</u>	<u>208</u>
<u>196, 206, 207, 208, 238, 248, 254</u>	<u>A.26-1</u>	<u>14:09</u>	<u>6.10</u>	<u>18.1</u>	<u>5110</u>	<u>119</u>	<u>0.5</u>	<u>0.01</u>	<u>2541</u>	<u>2450</u>	<u>204</u>
<u>206, 208, 248, 254</u>	<u>27-1</u>	<u>14:27</u>	<u>6.28</u>	<u>17.8</u>	<u>3551</u>	<u>78</u>	<u>15.</u>	<u>0.6</u>	<u>2485</u>	<u>2455</u>	<u>204</u>

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U k cps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Corr.
196, 206, 207, 208, 238,	A281	14:47	6.15	17.5	4244	99	0.2	0	2541	2438	209
196, 206, 254	sl 2-12	15:06	6.29	17.4	1956	219	0.6	0.05	⁵⁷¹ 583	542	204
196, 206, 207, 248,	A29-1	15:26	6.44	17.2	3268	69	0.2	0.01	2487	2472	204
206, 207, 208, 238, 248	301	15:44	6.43	16.5	4099	90	<u>17.0</u>	<u>0.50</u>	2506	2425	204
196, 238	31-1	16:02	6.20	17.4	2789	66	-ve	-	2492	2462	-
196, 238, 254	32-1	16:26	6.17	17.8	3507	82	0	0	2499	2454	-
196, 206, 254	sl 2-13	16:45	6.31	17.5	2043	220	0.1	-	⁵⁷⁵ 596	533	-
196, 204, 206, 238	3-1	17:03	6.29	17.8	1977	219	0.7	0.01	⁵⁶³ 575	571	208