

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 4/12/98 UWA Mount No.: 98-7a Whose sample?: Jayne Operator(s): I- / JV

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 = 0.045 expected resolution = >4200
 actual 206-207 = 1.670 actual 206-208 = 2.070 actual resolution = 5582
 Primary = 1.6 nA PESABM = 26 pA actual Primary : PESABM (= 50:1) = 62
 Raster time (mins): 1 Raster aperture (microns): 170 No. of scans: 6

Comments: just history 1.4

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>C28-1</u>	<u>20:56</u>	<u>6.01</u>	<u>7332</u>	<u>823</u>	<u>258</u>	<u>—</u>	<u>—</u>	<u>608</u>	<u>623</u>	<u>OK</u>
	<u>A9-1</u>	<u>21:24</u>	<u>6.23</u>	<u>6.999</u>	<u>2858</u>	<u>277</u>	<u>51</u>	<u>0.9</u>	<u>1674</u>	<u>1719 ± 14</u>	<u>OK</u>
	<u>A10-1</u>	<u>21:44</u>	<u>6.21</u>	<u>7.333</u>	<u>144</u>	<u>12</u>	<u>3.2</u>	<u>1.2</u>	<u>1774</u>	<u>1670 ± 188</u>	<u>OK</u>
	<u>A25-1</u>	<u>22:06</u>	<u>6.08</u>	<u>7.73</u>	<u>653</u>	<u>60</u>	<u>4.0</u>	<u>0.3</u>	<u>1753 ± 10</u>	<u>1766 ± 31</u>	<u>OK</u>
	<u>A36-1</u>	<u>22:24</u>	<u>6.37</u>	<u>7499</u>	<u>442</u>	<u>36</u>	<u>6.5</u>	<u>0.8</u>	<u>1894 ± 11</u>	<u>1846 ± 46</u>	<u>OK</u>
	<u>C2010-1</u>	<u>22:43</u>	<u>5.89</u>	<u>7298</u>	<u>763</u>	<u>270</u>	<u>33</u>	<u>0.2</u>	<u>579</u>	<u>560</u>	<u>OK</u>
	<u>A8-1</u>	<u>23:02</u>	<u>6.71</u>	<u>7266</u>	<u>3284</u>	<u>288</u>	<u>9.3</u>	<u>0.2</u>	<u>1448</u>	<u>1649 ± 11</u>	<u>OK</u>
	<u>A8-2</u>	<u>23:21</u>	<u>6.24</u>	<u>7278</u>	<u>423</u>	<u>40</u>	<u>1.8</u>	<u>0.2</u>	<u>1674</u>	<u>1598 ± 37</u>	<u>OK</u>
	<u>A6-1</u>	<u>23:52</u>	<u>6.36</u>	<u>6975</u>	<u>418</u>	<u>34</u>	<u>3.4</u>	<u>0.4</u>	<u>1822</u>	<u>1704 ± 35</u>	<u>OK</u>
	<u>A7-1</u>	<u>00:16</u>	<u>5.96</u>	<u>7173</u>	<u>1655</u>	<u>282</u>	<u>8.1</u>	<u>0.2</u>	<u>1131</u>	<u>1774</u>	<u>OK</u>
	<u>C202-2</u>	<u>00:35</u>	<u>6.06</u>	<u>7562</u>	<u>844</u>	<u>761</u>	<u>2.6</u>	<u>0.1</u>	<u>580</u>	<u>536</u>	<u>OK</u>

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Offsets OK?
	A42-1	00:53	6.44	7003	992	80	1.9	0.1	1802	1757	OK
	A34-1	01:16	6.10	7148	1346	134	9.1	0.3	1668	1733	OK
	A36-1	01:41	6.41	4488	1458	176	—	—	1862	1832	OK
	A37-1	02:05	6.59	7144	1480	115	0.8	0.03	1420	1469	OK
	CX-20-3	02:24	6.25	7856	886	239	0.9	0.06	582	552	OK
	A18-1	02:44	6.57	7542	1782	151	11.3	0.4	1432	1458	OK
	A14-1	03:05	6.91	7381	2211	186	34.1	1.2	1809	1809	OK
	A14-1	03:29	6.53	7377	13580	1014	3.0	0.00	1776	1691	OK
	A13-1	03:53	6.24	7666	917	83	6.9	0.4	1628	1498	OK
	A15-1	04:13	6.38	5258	4516	517	26	0.5	889	1413	OK
	C2-20-4	04:32	6.44	7565	925	232	1.1	0.08	593	535	OK
	B07-1	04:56	6.32	7624	3620	288	1.3	0.02	1787	1464	OK
	B35-1	05:14	6.16	7614	924	102	1.0	0.05	1440	1468	OK
	B06-1	05:34	6.28	7544	2529	201	4.8	0.1	1828	1434	OK
	B50-1	05:52	6.24	7633	3302	270	4.2	0.1	1806	1469	OK
	B50-2	06:10	6.62	7095	1351	108	3.7	0.1	1659	1733	OK
	B50-4	06:29	6.04	8599	1634	131	3.0	0.1	1807	1444	OK
	C22-5	06:48	5.98	8326	883	252	3.3	0.2	599	483	OK
	B51-1	06:56	7.24	7471	1932	152	9.2	0.4	1276	1463	OK
	B16-1	07:29	6.26	8013	2226	183	3.6	0.1	1698	1456	OK
	B58-1	07:54	6.26	7814	1660	132	2.0	0.07	1496	1491	OK
	B49-1	08:15	6.36	7663	2389	186	4.5	0.1	1449	1489	OK
	B42-1	08:34	6.15	7333	1304	120	4.5	0.1	1454	1453	OK
	B43-1	08:54	6.30	8244	1489	126	9.2	0.4	1593	1462	OK
	B43-2	09:12	6.46	7870	1363	98	3.5	0.1	1486	1434	OK

high count Pb

low counts
of 206

