

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 20/7/98 UWA Mount No.: 98-19 Whose sample?: JOAS Operator(s):

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): 78 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040⁵ 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 = 1.999 actual resolution = 5090

Primary = 2.2 nA PESABM = 28 pA actual Primary : PESABM (≈ 50:1) = 79

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: A = 21380 JOAS
B = 67-04 "
C = 21349 "

OFFSETS

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 ~~Corr~~

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	Corr
	<u>Sl.5-5</u>	<u>11:21</u>	<u>6.03</u>	<u>12.7</u>	<u>1373</u>	<u>220</u>	<u>0.8</u>	<u>.01</u>	<u>572±1</u>	<u>567±21</u>	<u>2168</u>	<u>1.000</u>
	<u>Sl.5-6</u>	<u>11:41</u>	<u>6.44</u>	<u>11.0</u>	<u>1401</u>	<u>209</u>	<u>0.0</u>	<u>.01</u>	<u>575±1</u>	<u>568±21</u>	<u>0.999</u>	<u>—</u>
	<u>A.101-1</u>	<u>12:03</u>	<u>6.06</u>	<u>11.0</u>	<u>41.3</u>	<u>5.3</u>	<u>-0.6</u>	<u>.51</u>	<u>793±12</u>	<u>837±312</u>	<u>—</u>	<u>—</u>
	<u>A.102-1</u>	<u>12:29</u>	<u>6.24</u>	<u>10.9</u>	<u>112.6</u>	<u>13.8</u>	<u>2.7</u>	<u>2.76</u>	<u>745±5</u>	<u>—</u>	<u>—</u>	<u>—</u>
	<u>Sl.5-7</u>	<u>12:47</u>	<u>6.52</u>	<u>10.8</u>	<u>1388</u>	<u>205</u>	<u>0.3</u>	<u>.03</u>	<u>571±1</u>	<u>—</u>	<u>—</u>	<u>—</u>
	<u>A.103-1</u>	<u>13:08</u>	<u>6.39</u>	<u>11.2</u>	<u>116.1</u>	<u>12.4</u>	<u>1.4</u>	<u>1.56</u>	<u>780±12</u>	<u>383±?</u>	<u>—</u>	<u>—</u>
	<u>A.104-1</u>	<u>13:33</u>	<u>6.07</u>	<u>11.5</u>	<u>102.7</u>	<u>12.3</u>	<u>2.1</u>	<u>2.28</u>	<u>795±10</u>	<u>269±?</u>	<u>—</u>	<u>—</u>
	<u>A.105-1</u>	<u>14:18</u>	<u>6.19</u>	<u>11.1</u>	<u>102.9</u>	<u>11.5</u>	<u>1.3</u>	<u>1.38</u>	<u>830±7</u>	<u>—</u>	<u>—</u>	<u>—</u>
	<u>Sl.5-8</u>	<u>14:47</u>	<u>5.92</u>	<u>11.8</u>	<u>1257</u>	<u>227</u>	<u>0.4</u>	<u>0.06</u>	<u>575±1</u>	<u>634±21</u>	<u>—</u>	<u>—</u>
	<u>A.106-1</u>	<u>15:49</u>	<u>6.24</u>	<u>10.6</u>	<u>232.7</u>	<u>14.8</u>	<u>-0.6</u>	<u>—</u>	<u>856±6</u>	<u>819±56</u>	<u>—</u>	<u>—</u>
	<u>A.107-1</u>	<u>15:56</u>	<u>6.11</u>	<u>10.9</u>	<u>95.6</u>	<u>12.1</u>	<u>1.4</u>	<u>1.55</u>	<u>788±6</u>	<u>—</u>	<u>—</u>	<u>—</u>

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	196-204 Corr 206-207 26-208
	A108-1	16:19	5.87	10.951	99.5	13.1	0.7	0.66	852±7	602±365	8.168 1.000 1.999
	S151-9	16:45	6.14	10.91	1254	217	0.7	0.06	576±1	552±39	8.167 1.000 1.999
	A.109-1	17:14	6.04	11.40	81.2	9.6	1.2	1.55	822±10	602±2	8.168 1.000 1.999
	A.110-1	17:56	6.14	10.33	61.6	7.5	1.2	2.09	833±18	156±?	8.168 1.000 1.999
	A.111-1	18:39	5.84	10.68	76.8	10.7	-1.4	—	845±7	819±78	8.168 1.000 1.999
	A.112-1	19:00	6.35	10.39	68.1	7.8	—	0.84	812±8	923±78	8.168 1.000 1.999
	S1.4-8	19:27	6.32	11.2	1301	208	—	—	558±1	569±20	"
	C.119-1	19:46	6.29	11.4	3335	126	2.6	0.08	2083	2354±8	8.168 1.000 1.999
	C.117-1	20:03	6.12	11.4	4987	160	1.6	0.03	2572	2456±6	"
	C.116-1	20:20	6.39	10.4K 7968	299	2.9	0.04	2072	2303±5	"	
	C.116-2	20:41	6.29	11.6	6983	313	0.5	0.01	1768	1847±6	"
	S1.4-9	21:04	6.21	11.4	1375	218	0.8	0.06	584±1	563	"
	C.116-3	21:23	6.24	11.4	5416	288	3.1	0.06	1576	1870±7	"
	C.118-1	21:41	6.01	11.2	343	4	0.5	0.12	2259	2426±26	"
	C.1-1	22:00	6.19	11.4	5889	227	0.7	0.01	2072	2308±6	"
	C.2-1	22:19	6.37	11.1	4150	118	—	—	2690	2451±6	"
	S1.4-10	22:38	6.41	11.0	1398	208	1.4	0.13	584±1	523	8.167 0.999 1.000 1.999
	C.3-1	22:57	6.10	12.0	21.6K	883	2.1	0.01	2147	2377±3	8.168 0.999 1.000
	C.4-1	23:16	6.14	11.8	6664	179	1.5	0.02	2854	2493±5	"
	C.5-1	23:36	6.20	11.5	6724	258	—	—	2119	2383±5	"
	C.6-1	23:54	6.13	11.6	5530	263	1.2	0.02	2812	2287±6	"
	S1.4-11	00:12	5.89	12.0	1342	241	0.9	0.07	583±1	521	"
	C.7-1	00:30	6.30	11.3	19.3K	602	1.3	0.01	2463	2384±3	"
	C.8-1	00:50	6.12	12.0	3482	141	0.9	0.03	2017	2310±8	"
	C.9-1	01:09	6.05	13.3	1567	212	3.0	0.24	634±1	661±30	"

