

UWA SHRIMP DATA LOG

Date: 10/6/00 UWA Mount No.: 99-70 Whose sample?: BK Operator(s): McN/IRF/AP

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* 30/40* 10 5 5 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 36/55 for O⁻; = 44/2.2 for O₂⁻; = 67/17 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4990

aperture = 100 microns retardation lens = 0 volts Sensitivity = 16.2

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.170 204-bkg = 0.045 204-206 = 1.998

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.2 nA Primary-CZ3 = 3.1 nA PESABM-CZ3 = 48 pA

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

Comments: B (8 already analyzed) MW-2 ~ 2620 Ma previous analyses.

n = 8 (del scan 1 238 B9-1; del scan 1 240 CZ 6-8; del scan 1 240 B26-1) ~ 2500 Ma Krapetz
~ 2200 / 2050 ppm hydrothermal zircons.

$\bar{\delta}$ (slope 2) = 1.37%

$\langle \bar{\delta} \rangle$ (Actual slope 2.28) = 1.17%

NB: exclude of data 23 B30-1 & B35-1 bec charging

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	Offsets OK?
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	<u>CZ 6-3</u>	<u>11:00</u>	<u>6.87</u>	<u>16.7</u>	<u>1526</u>	<u>220</u>	<u>2.1</u>	<u>.01</u>	<u>572 ± 1</u>	<u>546 ± 20</u>	<u>✓</u>
	<u>CZ 8-3</u>	<u>11:23</u>	<u>6.72</u>	<u>16.7</u>	<u>1472</u>	<u>229</u>	<u>-</u>	<u>-</u>	<u>566 ± 1</u>	<u>548 ± 19</u>	<u>✓</u>
<u>(in scan 1 238</u>	<u>B9-1</u>	<u>11:43</u>	<u>6.59</u>	<u>17.5</u>	<u>834</u>	<u>25</u>	<u>0.9</u>	<u>.10</u>	<u>2571 ± 16</u>	<u>2622 ± 14</u>	<u>✓</u>
	<u>B. 10-1</u>	<u>12:02</u>	<u>6.70</u>	<u>16.1</u>	<u>1775</u>	<u>56</u>	<u>2.9</u>	<u>.15</u>	<u>2507 ± 10</u>	<u>2606 ± 10</u>	<u>✓</u>
	<u>B. 11-1</u>	<u>12:20</u>	<u>6.53</u>	<u>17.3</u>	<u>1928</u>	<u>56</u>	<u>-</u>	<u>-</u>	<u>2683 ± 10</u>	<u>2705 ± 8</u>	<u>✓</u>
	<u>CZ. 6-7</u>	<u>12:39</u>	<u>6.34</u>	<u>17.6</u>	<u>1388</u>	<u>249</u>	<u>0.4</u>	<u>.03</u>	<u>557 ± 1</u>	<u>536 ± 23</u>	<u>✓</u>
	<u>B. 12-1</u>	<u>12:59</u>	<u>6.68</u>	<u>16.9</u>	<u>789</u>	<u>24</u>	<u>1.8</u>	<u>.22</u>	<u>2550 ± 15</u>	<u>2603 ± 16</u>	<u>✓</u>
	<u>B. 13-1</u>	<u>13:17</u>	<u>6.78</u>	<u>16.3</u>	<u>452</u>	<u>13</u>	<u>-ve</u>	<u>.05</u>	<u>2582 ± 21</u>	<u>2621 ± 20</u>	<u>✓</u>

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x 4

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	B.14-1	13:36	6.84	15.8	1721	50	0.3	.01	2598 ± 11	2709 ± 9	✓
del scan 1 tho	B.15-1	13:58	6.34	17.4	2010	66	1.6	.07	2638 ± 10	2701 ± 9	✓
	CZ 6-8	14:17	6.48	17.3	1420	243	0.9	.07	558 ± 1	591 ± 29	✓
	B.16-1	14:35	6.42	18.6	1740	52	3.0	.16	2595 ± 10	2691 ± 10	discarded ✓
	B.17-1	14:54	7.00	17.0	1122	32	6.2	.61	2306 ± 11	2647 ± 16	✓
	B.18-1	15:11	6.83	17.8	1490	39	2.0	.14	2567 ± 11	2703 ± 11	✓
	B.19-1	15:30	6.74	18.0	1109	29	1.2	.12	2651 ± 14	2713 ± 12	✓
	B.20-1	15:47	6.29	18.5	736	22	0.3	.03	2712 ± 17	2729 ± 14	✓
	CZ 6-9	16:05	6.47	17.6	1437	239	1.6	.13	565 ± 1	529 ± 29	✓
	B.21-1	16:24	6.67	17.5	1033	28	1.4	.13	2685 ± 15	2710 ± 14	✓
	B.22-1	16:42	6.79	16.9	1381	39	3.0	.22	2575 ± 12	2690 ± 11	✓
	B.23-1	17:00	6.77	15.7	2819	83	1.0	.03	2645 ± 9	2712 ± 7	✓
	B.24-1	17:18	6.78	16.3	603	17	0.8	.13	2686 ± 19	2711 ± 16	✓
	B.25-1	17:36	6.81	16.6	732	19	0.1	.01	2704 ± 17	2740 ± 14	✓
del 1st scan 40 →	CZ 6-10	17:57	6.60	16.9	1482	238	-ve	-	574 ± 1	576 ± 19	✓
	B.26-1	18:15	6.43	17.9	934	28	-	-	2620 ± 15	2723 ± 12	✓
	B.27-1	18:33	6.83	16.6	425	11	0.1	.01	2679 ± 11	2718 ± 11	✓
	B.28-1	18:55	7.04	15.7	1384	37	0.5	.04	2636 ± 12	2708 ± 10	✓
charging ↓	B.29-1	19:13	6.82	16.4	2588	71	-ve	-	2655 ± 9	2709 ± 7	✓
	B.30-1	19:33	5.78	16.0 slightly ↓	725	33	-ve	-	2774 ± 17	2723 ± 13	✓
	CZ 6-11	19:54	6.52	16.9	1466	244	0.7	.01	576 ± 1	543 ± 20	✓
	B.31-1	20:17	6.57	17.0	2001	61	0.3	.01	2594 ± 10	2634 ± 8	✓
	B.32-1	20:34	6.38	17.0	741	26	0.5	.06	2492 ± 15	2612 ± 14	✓
	B.33-1	20:52	6.42	17.5	1686	53	0.1	.006	2633 ± 11	2715 ± 9	✓
	B.34-1	21:10	6.73	17.3	1323	35	0.3	.02	2678 ± 13	2706 ± 10	✓

