

UWA SHRIMP DATA LOG

Date: 12/1/00 UWA Mount No.: 99-16 Whose sample?: Tim BLAKE Operator(s): SR/NMCM.
99-68 AMIRA 437A

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

Steel: Wein volts / nA = 73/6.7 for O⁻; = 50/2.0 for O₂⁻; = 40/7.8 for NO⁻
 dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4774
 aperture = 100 microns retardation lens = N/A volts

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 = 8.165 204-bkg = .042 204-206 = 1.995
 206-207 = 1.000 206-208 = 1.998

Primary-epoxy = 1.5 nA Primary-CZ3 = 1.9 nA PESABM-CZ3 = 28 pA
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: Priority: 99-68 A (E319) E: Gp 50
99-16 E (4/514 1A) B: Gp 82
A: Gp 65

Standards n = 14
 error = 0.70 (slope = 2)
 Actual slope = 2.18

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>SI. 28-1</u>	<u>13:07</u>	<u>7.42</u>	<u>8.6</u>	<u>1139</u>	<u>220</u>	<u>-0.1</u>	<u>-</u>	<u>572 ± 1</u>	<u>562</u>	<u>✓</u>
	<u>SI. 28-2</u>	<u>13:32</u>	<u>7.42</u>	<u>8.5</u>	<u>1163</u>	<u>221</u>	<u>1.4</u>	<u>.11</u>	<u>588 ± 1</u>	<u>628</u>	
	<u>A. 1-1</u>	<u>13:58</u>	<u>7.46</u>	<u>8.4</u>	<u>1082</u>	<u>36</u>	<u>0.5</u>	<u>-0.4</u>	<u>2809 ± 18</u>	<u>2803 ± 11</u>	
	<u>A. 2-1</u>	<u>14:17</u>	<u>7.33</u>	<u>8.7</u>	<u>2367</u>	<u>84</u>	<u>2.1</u>	<u>.07</u>	<u>2676 ± 11</u>	<u>2655 ± 8</u>	
	<u>SI. 28-3</u>	<u>14:50</u>	<u>7.35</u>	<u>8.4</u>	<u>1107</u>	<u>225</u>	<u>1.2</u>	<u>.11</u>	<u>567 ± 1</u>	<u>570 ± 22</u>	
	<u>A. 3-1</u>	<u>15:09</u>	<u>7:02</u>	<u>8.5</u>	<u>1172</u>	<u>49</u>	<u>9.9</u>	<u>.54</u>	<u>2651 ± 15</u>	<u>2690 ± 14</u>	
	<u>A. 4-1</u>	<u>15:28</u>	<u>7:59</u>	<u>8.6</u>	<u>1985</u>	<u>65</u>	<u>18.6</u>	<u>.76</u>	<u>2650 ± 12</u>	<u>2683 ± 12</u>	
	<u>A. 5-1</u>	<u>15:48</u>	<u>6.88</u>	<u>8.9</u>	<u>1318</u>	<u>53</u>	<u>2.7</u>	<u>-13</u>	<u>2746 ± 14</u>	<u>2676 ± 12</u>	

99-68

changed Bkg offset to 0.045.

UWA

Köhler lens
2107
→ 2207

Mount/sample No: 99-68 A Date: 12/1/00 Page No: 2
99-16 E

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?

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?
	SI.28-4	16:08	7.16	8.9	1171	235	1.6	.12	586 ±1	540	
	A.6-1	16:32	7.21	9.1	2594	91	32	.94	2694 ±10	2661 ±11	
	A.7-1	17:02	7.31	8.9	3605	127	4.2	.09	2669 ±9	2645 ±6	
	A.8-1	17:28	7.24	8.6	1881	70	7.0	.26	2668 ±12	2680 ±10	
	A.9-1	17:49	7.22	8.9	1894	67	5.6	.22	2722 ±12	2660 ±10	
	SI.28-5	18:10	7.35	8.5	1125	226	0.0	.03	572 ±1	612	
	A.10-1	18:32	7.15	8.8	1588	53	2.6	.11	2960 ±15	2954 ±9	
	A.11-1	18:51	7.16	8.8	1447	48	1.7	-.08	2964 ±16	2963 ±9	
	A.12-1	19:14	7.52	8.8	4092	148	13.6	.27	2464 ±7	2567 ±7	
	A.13-1	19:33	7.10	8.4	1805	65	1.6	-.06	2922 ±14	2989 ±8	
	SI.5-1	19:55	7.17	8.7	1105	234	-ve	-	565	590	
uo/i	A.14-1	20:13	7.24	8.7	657	25	3.3	-.36	2608 ±20	2691 ±18	
	A.15-1	20:33	7.10	8.6	1727	68	4.1	.16	2670 ±12	2674 ±10	
	A.16-1	21:00	7.07	8.5	1642	65	0.7	-.03	2708 ±13	2697 ±9	
	A.17-1	21:23	6.98	8.4	502	18	-0.5	-	3094 ±28	294 ±15	
	A.18-1	21:46	7.26	8.3	834	28	0.7	-.06	2986 ±20	2970 ±13	
	SI.5-2	22:13	7.19	7.9	1012	237	1.9	.15	556	556	
uo/i	A.19-1	22:33	7.51	7.7	1269	48	3.6	.20	2632 ±15	2714 ±13	
	A.20-1	22:53	7.28	7.6	1201	48	5.9	-.30	2752 ±16	2663 ±12	
	SI.5-3	23:19	7.23	7.2	958	232	-ve	-.04	587	533	
	SI.6-1	23:58	7.57	7.5	973	220	-ve	-	572	586	
uo/i	E.25-1	0:22	6.75	7.8	1296	57	4.0	.15	3172 ±18	2705 ±12	
	E.14-2	0:48	6.92	9.7	1478	53	1.2	-.05	2982 ±15	2700 ±10	
	SI.6-2	1:10	7.09	9.4	1129	241	0.8	-.06	582	547	
	E.26-1	1:45	7.24	9.1	1622	59	0.3	-.01	2784 ±13	2748 ±9	

Calib. Sta. →
99-16

increased Köhler lens Voltage from 2107 Bits to 2207 bits to increase 10 current.

Handwritten marks on the right margin.

