

UWA SHRIMP DATA LOG

Date: 27/3/00 UWA Mount No.: A-09 Whose sample?: MD Operator(s): McN + MD

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 = 68V/9.2 for O⁻; = 46V/1.2 for O₂⁻; = 37V/1.6 for NO⁻

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

aperture = ? microns retardation lens = 0 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 = 8.168 204-bkg = 0.045 204-206 = 1.997 - 2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.5 nA Primary-CZ3 = 2.0 nA PESABM-CZ3 = 28 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 5

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	<u>sl.2-1</u>	<u>11:03</u>	<u>7.88</u>	<u>9.3</u>	<u>1150</u>	<u>220</u>	<u>1.2</u>	<u>.10</u>	<u>572 ± 1</u>	<u>545 ± 48</u>	✓
	<u>sl.2-2</u>	<u>11:18</u>	<u>7.70</u>	<u>9.7</u>	<u>1157</u>	<u>224</u>	<u>-1.0</u>	<u>/</u>	<u>576 ± 1</u>	<u>525 ± 39</u>	✓
	<u>A.1-1</u>	<u>11:35</u>	<u>7.73</u>	<u>9.6</u>	<u>73.7</u>	<u>33.0</u>	<u>0.4</u>	<u>.57</u>	<u>256 ± 3</u>	<u>/</u>	✓
	<u>A.2-1</u>	<u>11:51</u>	<u>7.57</u>	<u>9.9</u>	<u>50.1</u>	<u>21.5</u>	<u>1.2</u>	<u>2.34</u>	<u>268 ± 5</u>	<u>/</u>	✓
	<u>sl.5-1</u>	<u>12:14</u>	<u>7.72</u>	<u>9.4</u>	<u>1121</u>	<u>223</u>	<u>-1.0</u>	<u>/</u>	<u>573 ± 1</u>	<u>625 ± 38</u>	✓
	<u>B.1-1</u>	<u>12:31</u>	<u>7.72</u>	<u>9.6</u>	<u>521</u>	<u>179</u>	<u>3.0</u>	<u>.56</u>	<u>530 ± 1</u>	<u>193 ± 111</u>	✓
	<u>B.2-1</u>	<u>12:53</u>	<u>7.68</u>	<u>10.2</u>	<u>392</u>	<u>164</u>	<u>6.0</u>	<u>1.5</u>	<u>258 ± 1</u>	<u>/</u>	✓
	<u>B.3-1</u>	<u>13:09</u>	<u>8.02</u>	<u>9.2</u>	<u>205</u>	<u>82</u>	<u>0.9</u>	<u>.47</u>	<u>271 ± 1</u>	<u>/</u>	✓

labelled v.A.S-1)

#350
370

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	B.4-1	13:24	7.7	9.7	309	138	2.3	.73	259±1	—	✓
	sl.5-2	15:08	7.8	8.7	1051	219	—	—	579±1	609±38	✓
	B.5-1	15:45	7.07 7.1	9.1	218	79	1.7	.73	336±2	—	✓
	B.6-1	15:29	7.4	8.9	112	52	0.5	.38	293±2	—	✓
	B.7-1	16:01	8.1	8.6	202	60	1.7	0.69	376±2	—	✓
	sl.5-3	16.6	8.0	8.7	1098	213	0.5	.05	578±2	641±47	✓
	B.8-1	16:38	8.1	8.8	134	55	4.0	2.3	260±2	—	✓
	B.9-1	16:53	7.9	8.7	669	209	3.2	.46	366±1	246±81	✓
	B.10-1	17:11	8.1	8.9	474	146	1.9	.42	354±1	262±	✓
	B.11-1	17:28	7.5	9.2	236	112	-0.5	—	268±1	—	✓
	sl.5-4	17:44	7.8	9.0	1074	217	0.7	.06	568±1	—	✓
	B.12-1	18:01	7.7	8.7	121	59	0.3	.25	261±1	—	✓
	B.13-1	18:16	8.1	8.7	491	202	2.2	.44	274±1	—	✓
	B.14-1	18:33	7.8	8.9	51.4	21	—	—	301±2	—	✓
	B.15-1	18:48	6.8	9.4	512	259	4.7	.64	320±1	—	✓
	B.16-1	19:04	7.8	8.9	360	132	1.0	.27	325±1	—	✓
	sl.5-5	19:19	8.5	8.6	2388	829	2.3	.11	288±1	—	✓
	sl.5-5	19:39	7.9	8.8	1112	213	1.5	.13	590±2	483±50	✓
	B.18-1	19:55	7.4	8.0	464	198	0.6	.10	353±1	—	✓
	B.19-1	20:10	8.3	8.7	212	64	1.0	.49	349±2	—	✓
	B.20-1	20:26	7.49	9.2	455	181	0.6	.11	325±1	—	✓
	B.21-1	20:44	7.48	9.2	198	77	1.7	.73	331±2	—	✓
	sl.5-6	21:22	7.84	8.7	1079	218	0.1	—	582±	—	✓ 204/206 1.994
	B.22-1	21:39	7.65	8.9	2496	328	0.8	.03	911±2	943±23	✓ 2.000
	B.23-1	21:55	7.58	9.2	309	117	0.6	.17	332±1	—	✓

Arc dropped out.



204/206 1.994

2.000

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?
	B-24-1	22:11	8.18	8.1	499	209	2.1	.41	278±1	—	✓
	B-25-1	22:27	7.7	8.6	160	74	2.8	1.2	277±2	—	✓
	B-26-1	22:47	8.2	8.6	1187	481	2.2	.19	275±1	264±50	✓
	B-27-1	23:06	7.7	8.86	1006	218	1.4	.12	562±1	562±46	✓
	B-28-1	23:23	8.0	8.71	480	166	0.5	.11	327±1	—	✓
	B-29-1	23:43	7.9	8.78	183	56	2.7	1.4	375±3	—	✓
	B-30-1	23:58	7.6	9.0	493	193	3.8	.68	327±1	—	✓
	B-31-1	00:14	6.7	9.76	421	218	3.9	.61	327±1	—	✓
	B-32-1	00:29	7.9	8.56	313	116	0.5	.17	316±1	421±41	✓
	B-33-1	00:49	7.8	8.69	207	99	0.5	.20	258±1	—	✓
	sl.4-2	1:09	7.8	9.13	1071	217	—	—	571±1	480±40	✓
	B-34-1	1:28	8.6	8.2	2901	985	6.1	.24	293±1	225±33	✓
	B-35-1	1:48	7.4	9.3	571	225	0.4	.07	337±1	287±64	✓
	B-36-1	2:04	7.4	9.2	1308	148	0.7	.04	1116±4	1049±30	✓
	B-37-1	2:30	8.1	8.6	451	165	8.7	.02	304±1	320±69	✓
	B-38-1	2:50	7.2	9.3	100	56	3.1	.02	248±2	—	✓
	sl.4-3	3:10	7.8	8.9	1056	218	0.3	.02	576±2	631±42	✓
	B-39-1	3:25	7.7	8.9	1117	131	0.3	—	998±4	2412±20	✓
	B-40-1	3:41	7.6	8.6	437	150	1.0	.19	336±1	367±82	✓
	B-41-1	3:57	7.4	9.2	218	26	1.8	.65	1037±9	1015±100	✓
	B-42-1	4:13	7.6	8.7	940	118	5.2	.44	1001±4	850±49	✓
	B-43-1	4:27	7.6	8.4	375	97	1.3	.29	497±2	443±115	✓
	B-44-1	4:44	7.3	9.4	667	282	4.0	.49	324±1	225±83	✓
	sl.4-4	5:02	7.7	8.8	1031	222	—	—	572±1	620±39	✓
Repeat of 39	B-45-1	5:17	7.7	9.7							

Mis-labeled U.A09b-27-1

