

UWA SHRIMP DATA LOG

Date: 27/2/00 UWA Mount No.: 99-68 Whose sample?: Sta 8. Operator(s): IF+MG+SB

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 = 17 for O⁻; = 3.0 for O₂⁻; = 6.6 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4880

aperture = 100 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 = 8.169 204-bkg = 0.045 204-206 = 1.999

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.6 nA Primary-CZ3 = 3.5 nA PESABM-CZ3 = 61 pA

Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 6

Sensitivity = 20

Comments: There is major damage to gold coat beside CZ3 area.

Standards n = 13 (Std CZ 21-4 excluded)
 error = 1.32 (slope = 2.0)
 Actual slope = 2.17

L12
12-14
17-19

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?
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	<u>CZ.24-1</u>	<u>11:55</u>	<u>6.53</u>	<u>20.5</u>	<u>2053</u>	<u>-</u>	<u>-ve</u>	<u>-</u>	<u>-</u>	<u>571</u>	<u>✓</u>
	<u>CZ.26-1</u>	<u>12:27</u>	<u>6.61</u>	<u>20.4</u>	<u>2098</u>	<u>216</u>	<u>0.6</u>	<u>0.6</u>	<u>577</u>	<u>616</u>	<u>✓</u>
	<u>CZ.5-4</u>	<u>12:45</u>	<u>6.42</u>	<u>20.5</u>	<u>2103</u>	<u>232</u>	<u>0.6</u>	<u>0.05</u>	<u>586</u>	<u>516</u>	<u>✓</u>
	<u>A.27-1</u>	<u>13:08</u>	<u>6.32</u>	<u>21.6</u>	<u>1010</u>	<u>19</u>	<u>24.</u>	<u>3.1</u>	<u>2746</u>	<u>2660</u>	<u>✓</u>
	<u>A.28-1</u>	<u>13:27</u>	<u>6.24</u>	<u>22.4</u>	<u>3684</u>	<u>78</u>	<u>94.</u>	<u>3.3</u>	<u>2525</u>	<u>2641</u>	<u>✓</u>
	<u>A.29-1</u>	<u>13:47</u>	<u>5.00</u>	<u>1411</u>	<u>1839</u>	<u>172</u>	<u>28</u>	<u>0.56</u>	<u>2164</u>	<u>2582</u>	<u>✓</u>
	<u>A.30-1</u>	<u>14:18</u>	<u>6.57</u>	<u>200</u>	<u>1870</u>	<u>35</u>	<u>0.6</u>	<u>0.04</u>	<u>2715</u>	<u>2664</u>	<u>✓</u>
	<u>CZ.5-5</u>	<u>14:38</u>	<u>6.33</u>	<u>20.7</u>	<u>2095</u>	<u>241</u>	<u>0.3</u>	<u>0.02</u>	<u>582</u>	<u>601</u>	<u>✓</u>

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Mount/sample No: 99-68

Date: 27/2/2000

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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?
	A.31-1	14:59	6.25	22.8	2143	42.5	11.3	0.71	2626	2727	✓
	A.32-1	15:18	6.36	20.2	2180	41	0.3	0.01	2983	2994	✓
	A.33-1	15:38	6.27	20.8	4481	84	1.7	0.05	3010	2928	✓
	A.34-1	15:57	6.43	20.6	2727	55	1.0	0.05	2674	2662	✓
	CZ.6-1	16:21	6.42	21.1	2099	225	0.7	0.06	585	526	✓
	A.26-1	16:44	6.36	21.8	4736	80	56.2	1.5	3007	3003	✓
	A.35-1	17:05	6.43	22.2	2657	48	0.3	0.02	2738	2689	✓
	A.36-1	17:25	6.46	21.2	3484	67	1.4	0.06	2703	2659	✓
	A.37-1	17:46	6.29	20.7	1293	23	0.2	0.01	3084	2974	✓
	CZ.4-3	18:08	6.42	21.0	2065	225	-ve	-	579	572	✓
	A.38-1	18:28	6.14	20.4	2512	61	4.6	0.21	2616	2671	✓
	A.39-1	18:49	6.70	20.7	4699	83	6.4	0.020	2678	2695	✓
	A.40-1	19:09	6.77	19.2	11070	234	30	0.41	2391	2405	✓
	A.41-1	19:33	6.60	20.8	3760	68	3.8	0.15	2703	2664	✓
	CZ.24-2	19:53	6.66	20.3	2112	213	0.6	0.06	579	559	✓
	A.42-1	20:14	6.50	21.3	4299	82	2.0	0.07	2662	2677	✓
	A.43-1	20:34	6.33	20.6	3677	67	-ve	-	3022	2967	✓
	A.44-1	20:55	5.36	17.9	2827	140	11.9	.30	2400 ± 7	2644 ± 8	
	A.45-1	21:20	6.77	20.5	1957	34	0.3	-0.3	2646 ± 11	2662 ± 8	
	A.46-1	21:40	7.04	20.7	12.4k	162	8.6	.41	3045 ± 6	2960 ± 3	
	CZ.4-4	22:02	6.35	20.4	1982	233	0.7	-0.6	570	548	✓
	A.47-1	22:22	6.40	20.1	6501	123	2.8	-0.5	2898 ± 7	2917 ± 7	
	A.48-1	22:41	6.34	21.2	4854	101	2.3	-0.6	2635 ± 7	2678 ± 6	
	A.49-1	23:01	7.43	18.4	20.9k	431	92	-8	2010	2139 ± 5	
	A.50-1	23:22	6.11	23.3	4130	88	39	1.2	2605	2657 ± 9	

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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?
	CZ. 8-1	23:24	6.69	20.2	2097	211	1-0	-09	571	562
	C. 1-1	0:06	6.57	20.2	3465	72	2-3	.09	2494 ± 7	2741 ± 7
	C. 2-1	0:35	6.64	20.8	2209	61	7-8	.52	1860 ± 6	2666 ± 10
	C. 3-1	0:55	5.12	13.9	1124	85	-	-	2397 ± 11	2790 ± 10
	C. 4-1	1:19								
	CZ. 21-1	3:41	6.36	17.8	1766	227	1-7	.14	590 ± 1	480
	CZ. 21-2	4:00	6.56	16.9	1792	225	0-5	.08	581	583
	C. 5-1	4:20	6.66	17.2	3780	74	1-8	.06	2904 ± 9	2950 ± 6
	C. 6-1	4:39	6.77	17.2	1711	36	2-0	.15	2618 ± 11	2693 ± 10
	C. 7-1	4:59	6.55	18.6	917	21	2-1	.3	2494 ± 14	2706 ± 15
	C. 8-1	5:19	6.69	17.1	1910	37	0-6	.04	2888 ± 13	2780 ± 8
	C. 9-1	6:03	6.67	17.7	510	10	0-5	.12	2759 ± 23	2680 ± 21
	CZ. 21-3	6:26	6.64	17.6	1899	215	-ve	-	596	585
	C. 10-1	6:45	6.56	17.9	8404	94	-ve	-	0.3 ± 1	3238
	C. 11-1	7:15	6.68	17.1	756	13	0-8	.11	3109 ± 22	3039 ± 13
	C. 12-1	7:34	6.66	17.2	2113	40	-ve	-	2974 ± 12	2920 ± 7
	C. 13-1	7:56	6.94	17.9	424	10	-ve	-	2842 ± 25	2791 ± 17
	C. 14-1	8:19	6.54	18.9	4171	92	3-2	.1	2558 ± 7	2622 ± 6
X	CZ. 21-4	8:39	5.40	15.1	1092	334	2-3	.15	514	582
	CZ. 22-1	9:00	6.45	17.9	1790	229	-ve	.01	566	579
	C. 15-1	9:34	6.26	19.2	1387	29	6-1	.5	2914 ± 15	2750 ±

charging

Arc Dropped Out.

Rechecked peak positions & adjusted 204, 207 & 208 offsets.

total Pb-loss?

NR.
196-204 = 8.164
207-206 = .996

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