

UWA SHRIMP DATA LOG

Date: 5/4/03 UWA Mount No.: OLA 688-24A Whose sample?: Daniella Operator(s): MG/DV
OLB 688-24B

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

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4885

aperture = 70 microns retardation lens = 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 = 8.17 204-bkg = 0.045 204-206 = 2.000

206-207 = 1 206-208 = 2

Primary-epoxy = 1.3 nA Primary-CZ3 = 1.8 nA PESABM-CZ3 = 22 pA

Raster time (mins): 1 Raster aperture (microns): 40 No. of scans: 7

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	CZ3.1-1	15:35	7.566	7.5	6.3x10 ²	238	2.1	0.0048	571.0265 495.838	✓
	CZ3.1-2	16:04	7.53	6.9	5.9x10 ²	245	0.4	0.0005	569.77 605.83	✓
	AOC-A1	16:54	6.699	8.1	4.5x10 ²	47.9	43.8	0.047	1912 6222.62	✓
	AOC-B1	17:08	6.26	9.4	3.2x10 ²	34.1	0.6	0.0095	1909.28 1931.18	✓
	AOC-C1	17:30	6.02	9.8	3.8x10 ²	40.1	11.5	0.053	1901.9 2136.4	✓
	AOC-D1	17:33	6.09	9.7	6.4x10 ²	69	119.5	0.095	1733.58 2452.16	✓
	AOC-E1	18:16	6.74	6.6	6x10 ²	80.9	240.05	0.059	1900.44 2396.93	✓
	AOC-F1	18:55	6.50	7.0	4.1x10 ²	55.8	2.8	0.0027	1901.65 1951.4	✓

(may have
natural ²³⁸U
CZ3.1-2)

Mount/sample No:

Date:

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238 207/206	Offsets OK?
	AOCF2-1	19:16	6.92	6.2	4.6×10^2	65.7	5.2	0.0437	1879.14 1806.13	✓
	AOCF3-1	19:40	6.55	6.6	4.3×10^2	65.1	26.7	0.022	1902.8 2160.98	✓
	CZ31-3	20:06	8.14	5.1	4.6×10^2	239.3	-1	0.00086	551.1 632.9	✓
	CZ31-4	20:27	7.7	5.0	4.3×10^2	244.4	-0.8	0.0007	553.42 564.51	✓
	AOCG-1	20:49	6.65	6.5	3.2×10^2	44.8	5.7	0.007	1887.04 1921.78	✓
	AOCI-1	21:13	7.15	5.5	8.7×10^2	135	39.4	0.016	1822.14 1989.97	✓
	AOCJ-1	21:40	7.3	5.2	5.9×10^2	94.9	4.9	0.0029	1869.57 1858.52	✓
	AOCK-1	22:02	7.01	5.1	3.5×10^2	59.2	6.4	0.00598	1865.7 2195.01	✓
	CZ31-5	22:41	7.93	4.1	3.6×10^2	456	0.8	0.06	554.4 521.99	✓
	CZ3-6									
	CZ31-7	23:52	7.96	5.2	4.8×10^2	242.7	0.4	0.036	571.95 485.4	✓
	CZ3-8	00:14	7.9	5.1	4.6×10^2	246.1	1.8	0.15	560.6 509.06	✓
	CZ31-9	01:24	7.7	5.0	4.2×10^2	235.9	-1.7	0.15	554.96 597.58	✓
	AOCN1	01:51	7.9	5.1	3.8×10^2	48.7	4.1	0.43	1968.26 1969.17	✓
	AOCQ1	02:15	5.63	6.9	3.7×10^2	59.4	14.1	1.2	1935.90 1965.63	✓
	CZ31-10	02:38	7.53	4.9	4.2×10^2	259.5	-2.1	0.18	544.72 726.61	✓
	CZ31-11	02:58	7.89	4.9	4.6×10^2	247.4	-3.2	0.25	583.23 645.23	✓
	CZ32-1	03:36	7.48	4.6	3.8×10^2	254.8	-1.4	0.12	540.54 698.62	✓
	A68-A1	04:01	6.9	6.4	3.9×10^2	57	16.9	1.7	1758.88 1720.8	✓
	A68-A2	04:23	6.88	5.9	2.9×10^2	43.7	1.5	0.18	1900.11 1923.29	✓
	A68-B1	04:50	9.25	4.1	5.7×10^2	1165	19.7	0.13	1378.9 1895.55	✓
	CZ32-2	05:27	7.62	5.0	4.4×10^2	250.1	-2.1	0.17	574 565.86	✓
	CZ32-3	06:18	7.8	4.7	4.3×10^2	250.8	0.2	0.013	566.3 563.9	✓
	BOCB1	06:24	6.4	6.1	3.2×10^2	54.2	30.8	3.04	1875.13 208.15	✓
	BOC-C1	07:27	6.9	5.8	4.3×10^2	636	11	0.94	1895.1 2124.45	✓

1 beam
dropping
slowly

Fiddled
with Wien Z

Turned HV
off

Sample
change

Full
sample
change

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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Boc-I	07:49	5.6	6.4	3.7x10 ³	67.6	23.7	2.0	178.8	205.5	✓
CZ32-4	08:25	7.7	4.5	3.8x10 ²	290.9	-2.7	0.23	538.5	664.22	✓
CZ33-1	08:48	8.134	4.4	4.2x10 ²	248.4	-2.1	0.17	575.6	582.5	✓