

UWA SHRIMP DATA LOG

Date: 1/3/01 UWA Mount No.: B-03 Whose sample?: Natalie Operator(s): IF + NK

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270
~~Precambrian~~ Count time (secs): 2 7 7 7 20 5 5 2
~~Phanerozoic*~~ Delay time (secs): 86 3 1 2 1 1 3 2 2

~~Steel~~ Wein volts / nA = 9.3/10.0 for O⁻; = 6.8/6.0 for O₂⁻; = 5.8/12.0 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5000

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 = 4.0 nA Primary-CZ3 = 5.7 nA PESABM-CZ3 = 65 pA

Raster time (mins): 1 Raster aperture (microns): 50 No. of scans: 5

Comments: Sensitivity = 16.4

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?
	STD CZ-82-1	10.56	5.17	31	2500	—	—	—	—	543	✓
	STD CZ-82-2	11.09	5.41	27	2600	259.2	-0.3	0.02	586.97	593±31	✓
	B03-2-1	11.44	5.03	30	3400	54.0	-0.1	0.06	3038.15	3037.20	✓
	B03-3-1	12.06	5.194	31	3300	47.7	0.7	0.045	3055.43	3046.93	✓
	STD CZ83-3	12.21	5.20	29	2500	246.2	0.4	0.046	572.65	545.85	✓
	B034-1	12.35	5.23	24	6600	126.4	2.5	0.062	2987.87	3018.38	✓
	B03-5-1	12.49	5.49	28	6700	95.8	1.6	0.048	3170.7	3112.99	✓
	B03-6-1	13.02	5.33	28	5900	90.3	0.3	0.10	3120.23	3077.66	✓

204-206
1.995
204-206
2.603

Rejection override	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?
	B037-1	13.15	5.27	27	8100	126	1.5	.035	3108.07	3044.53	✓
	B038-1	13.28	5.66	27	8900	131.8	0.3	.007	3083.29	3099.55	✓
	Scan B039-1	13.41	5.60	27	4000	59.1	0.2	.009	3067.91	3015.83	✓
	B0310-1	13.53	5.59	28	5300	78	0.1	.004	3031.12	2994.86	✓
	STD C283-4	14.10	5.17	28	2300	239	0.7	.058	565.95	580.76	✓
	B0311-1	14.24	5.12	32	8400	121.9	0.8	.019	3024.26	3029.19	✓
	B0312-1	14.39	5.34	28	2000	29	0.4	.039	3220.17	3050.43	✓
	B0313-1	14.52	5.24	29	5100	75.2	-0.5	.019	3161.7	3070.7	✓
	B0314-1	15.05	5.59	11	2000	56.4	-3.0	.001	3808.15	3394.95	✓
	B0315-1	15.20	5.096	29	4700	72.5	1.5	.061	3131.85	3093.06	✓
	B0316-1	15.32	5.355	29	7600	107.3	16.3	.0445	3160.83	3103.388	✓
	B0317-1	15.59	5.345	27	9000	141.4	0.1	.003	3082.31	3064.04	✓
	STD C282-5	16.13	5.083	29	2500	251.0	0.2	.021	586.95	588.65	✓
	B0318-1	16.27	5.202	29	4100	62.5	-1.3	.063	3102.84	3038.39	✓
	B0319-1	16.41	4.82	27	7400	13.8	3.9	.0878	2975.31	3282.77	✓
	B0320-1	16.53	5.58	25	4500	70.9	1.3	.058	3078.86	3107.60	✓
	Scan 1+2 B0321-1	17.06	5.58	23	1600	394.2	67.1	.0765	2224.64	2859.77	✓
	B0322-1	17.21	5.27	30	1600	239.7	149.4	.01900	3032.56	3283.07	✓
	STD C282-6	17.35	5.29	26	2600	261.7	-0.7	0.050	603.257	601.978	✓
	B0323-1	17.49	4.89	22	3700	80.8	1.3	0.050	3053.96	2975.81	✓
	B0324-1	18.04	5.35	29	6500	96	1.0	0.033	3087.39	3047.65	✓
	B0325-1	18.17	5.08	29	5100	76.6	-2.3	.088	3223.39	3114.113	✓
	B0326-1	18.31	4.95	27	2000	34.6	-1.3	.0110	3126.66	3125.44	✓
	B0327-1	18.43	5.25	30	7000	100.9	1.3	.039	3145.1	3083.59	✓
	B0328-1	18.57	5.09	30	8400	128.7	0	0	3023.36	2984.78	✓

8.17
8.17

8.171
changed
206 to 36cps
& task area 65mm

8.171
changed
238 to 4 sec delay

Scan 1+2

8.171

8.171

1.992
204+206

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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?
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	STD	C282-7	19.10	5.267	27	2600	263.9	-0.5	.038	600.216	540.06	✓
		B03.29-1	19.25	5.36	31	3900	54.9	0.1	0.04	2990.04	2980.25	✓
		B03.30-1	19.38	5.46	29	5400	79	-0.1	.006	3025.80	2960.86	✓
		B03.31-1	19.52	5.70	25	4500	70.8	0.2	.007	3052.99	3039.17	✓
		B03.32-1	20.05	5.23	28	1600	23.5	0	.003	3236.62	3126.44	✓
		B03.33-1	20.18	4.98	26	2800	47.8	0.6	.038	3169.63	3065.48	✓
		B03.34-1	20.32	5.58	25	1600	23.2	-0.0	.002	3261.98	3151.31	✓
	STD	C282-8	20.45	5.06	30	2600	249.4	-0.1	.008	588.85	550.16	✓
		B03.35-1	21.00	5.12	30	4400	66.6	-1.0	.044	3073.94	2971.26	✓

Continues 27-5-01 from mount B.10

	s/	B03.81-1	07:20	6.84	12	1300	241	-ve	-	544 \pm 5	583 \pm 32	✓
		B03.36-1	07:38	6.74	13	3400	84	2.1	.07	3202 \pm 28	3324 \pm 7	✓
		B03.37-1	07:58	6.90	12	1000	28	1.4	.16	2973 \pm 64	3033 \pm 28	✓
		B03.38-1	08:16	7.15	11	1200	408	14.3	.13	2581 \pm 24	2889 \pm 7	✓
	s/	B03.81-2	08:33	6.94	11	1200	246	-ve	-	556 \pm 4	599 \pm 22	✓