

UWA SHRIMP DATA LOG

Date: 14/10/00 UWA Mount No.: 99-73 Whose sample?: Neal Operator(s): Neal + MG

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270₂

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 = for O⁻; = for O₂⁻; = for NO⁻

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

aperture = 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 = 8.167 204-bkg = 0.045 204-206 =

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = nA PESABM-CZ3 = pA

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: B = → only do low U grains: $\bar{e} < 50\%$ of CZ3
on 2454

as per A-38

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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Calib. std.

	sl. 2-7	18:15	4.94	6384	456	220	0.7	-03	572 ± 1	581 ± 43	✓
	sl. 2-8	18:39	6.58	13.9	1549	118	-ve	-	590 ± 1	546 ± 18	✓
	937.29-1	19:02	6.67	13.4	4082	49	-ve	-	3034 ± 10	2984 ± 5	✓
	30-1	19:25	6.77	12.8	1394	14.9	0.3	.04	3357 ± 20	3212 ± 12	✓
	31-1	19:46	6.66	12.9	3481	41	0.4	-02	3196 ± 11	3077 ± 6	✓
	sl. 2-9	20:09	6.41	14.5	1455	117	0.0	.01	586	551	✓
	32-1	20:31	6.54	14.7	7219	89	3.4	.09	2916 ± 7	3036 ± 4	✓
	33-1	20:53	6.72	14.3	6916	86	5.3	.15	2775 ± 6	2955 ± 4	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	34-1	21:12	6.58	13.4	1779	22.5	0.6	-06	3049 ± 8	3085 ± 8	✓
	sl.2-10	21:32	6.64	13.4	1471	116	-ve	-	574 ± 1	521 ± 9	✓
	35-1	21:52	6.76	13.8	3146	34	0.4	-02	3134 ± 12	3140 ± 6	✓
	High 204 36-1	22:11	6.68	14.1	4907	64	96.5	3.7	2671 ± 8	2969 ± 10	✓
	37-1	22:33	6.67	14.3	1009	11.5	0.6	-	3032 ± 19	3059 ± 10	✓
1° Unstable →	38-1	22:52	6.89	13.3	2314	25	0.6	.04	3129 ± 14	3169 ± 7	✓
	sl.2-11	23:15	6.78	14.0	1579	114	0.0	-	565 ± 1	539 ± 18	✓
	39-1	23:36	6.73	14.3	910	9.5	-ve	-	3182 ± 22	3079 ± 11	✓
	40-1	23:56	6.99	13.6	3479	34	0.9	.05	3149 ± 11	3186 ± 6	✓
	41-1	00:16	6.47	13.6	3180	58	8.3	.45	2296 ± 7	2839 ± 7	✓
	42-1	00:35	6.34	14.3	962	12.7	0.3	.05	3037 ± 19	3099 ± 11	✓
	sl.2-12	00:54	6.81	13.3	1502	113	0.7	.12	563 ± 1	606 ± 27	✓
	43-1	01:15	6.44	14.1	6145	80	1.6	.04	3002 ± 8	3932 ± 4	✓
	44-1	01:36	6.70	14.0	731	7.6	0.7	-08	3284 ± 26	3185 ± 13	✓
	45-1	01:56	6.48	14.7	1052	11.5	0.3	.05	3295 ± 21	3110 ± 12	✓
	46-1	02:16	6.51	14.0	1767	22.2	0.0	.01	3014	3062	✓
	sl.3-9	02:37	6.55	14.1	1498	112	0.7	.04	563 ± 1	536 ± 31	✓
	47-1	02:59	6.92	14.5	1855	18.6	0.1	.02	3041 ± 15	2994 ± 8	✓
	48-1	03:17	6.54	14.6	4036	45.6	0.7	-03	3130 ± 10	3092 ± 5	✓
	49-1	03:37	6.75	14.3	5048	53	0.8	-03	3125 ± 9	3066 ± 5	✓
	50-1	03:56	6.48	13.9	3466	48	6.8	.04	2842 ± 9	3020 ± 6	✓
	sl.3-10	04:17	6.70	14.3	1571	117	1.0	.17	558 ± 1	451 ± 28	✓
	51-1	04:37	6.86	15.2	3772	34.5	7.2	.41	3208 ± 11	3089 ± 6	✓
	52-1	04:56	6.40	15.7	6053	68	4.6	-14	3130 ± 8	3075 ± 4	✓
	53-1	05:17	6.52	15.3	4072	37	0.2	.01	3617 ± 13	3502 ± 5	✓

