

UWA SHRIMP DATA LOG

Date: 29/4/02 UWA Mount No.: B-71 Whose sample?: Neal Operator(s): MGT

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 = $348/84V/21$ for O⁻; = $237/57V/3.4$ for O₂⁻; = $194/47V/17$ for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5080

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 = 8.170 204-bkg = 0.045 204-206 = 2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = 1.95 nA PESABM-CZ3 = pA

Raster time (mins): 3 Raster aperture (microns): 6.5 No. of scans: 6

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	
	CZ.1-1	20:42	7.01	11	1300	282	2.3	.19	504 ± 4	511 ± 32	✓
	CZ.1-2	21:00	7.38	10	1400	285	1.6	.13	504 ± 5	599 ± 28	✓
	A.24-1	21:21	7.18	11	5200	289	4.5	.10	1679 ± 13	2503 ± 6	✓
	A.25-1	21:40	7.58	9.5	3500	149	3.0	.09	2224 ± 18	2614 ± 7	✓
	A.26-1	22:01	7.10	10	2700	113	5.2	.20	2305 ± 20	2645 ± 8	✓
	CZ.1-3	22:20	7.21	9.6	1200	285	2.8	.23	506 ± 4	569 ± 38	✓
	A.29-1	22:42	7.17	10	1700	65	3.3	.20	2510 ± 29	2818 ± 12	✓
	A.31-1	23:03	6.84	11	3900	160	3.4	.09	2342 ± 17	2641 ± 7	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	A.32-1	23:23	6.94	11	3600	159	4.3	.13	2803 ± 16	2630 ± 9	✓
	A.36-1	23:45	7.10	10	3300	134	2.3	.07	2360 ± 24	2652 ± 7	✓
	CZ.1-4	00:04	7.14	10	1300	289	0.1	.01	504 ± 4	574 ± 26	✓
	A.37-1	00:23	7.01	10	2200	89	5.0	.23	2395 ± 24	2634 ± 10	✓
	A.38-1	00:43	6.72	11	2900	120	5.0	.18	2330 ± 19	2643 ± 11	✓
	A.53-1	01:03	7.09	9.9	4300	229	3.7	.09	1917 ± 13	2574 ± 8	✓
	A.54-1	01:23	7.09	10	4100	211	5.6	.14	1909 ± 13	2536 ± 7	✓
	CZ.2-1	01:42	7.05	10	1300	294	2.3	.18	507 ± 4	578 ± 36	✓
	A.42-1	02:01	7.11	10	4200	179	2.6	.07	2274 ± 19	2627 ± 7	✓
	A. ^{SS} 30 -1	02:22	6.92	11	2600	109	1.3	.05	2261 ± 20	2633 ± 8	✓
	A.43-1	02:41	6.53	11	2500	109	2.1	.08	2370 ± 27	2657 ± 8	✓
	A.56-1	03:01	7.09	10	4300	180	3.3	.08	2325 ± 82	2655 ± 6	✓
	CZ.2-2	03:20	6.62	10	1200	290	1.3	.10	505 ± 7	592 ± 35	✓
	A.57-1	03:40	7.17	10	4300	294	10.5	.26	1483 ± 74	2313 ± 30	✓
	A.58-1	04:00	7.09	9.2	4100	251	2.9	.66	1818 ± 36	2566 ± 9	✓
	A.59-1	04:19	7.01	9.5	4100	190	3.0	.07	2307 ± 63	2598 ± 40	✓
	A.60-1	04:39	6.74	11	3700	169	5.5	.16	2065 ± 19	2585 ± 8	✓
	A.61-1	05:00	6.67	10	3700	205	2.1	.05	1985 ± 14	2570 ± 9	✓
	CZ.2-3	05:19	7.11	10	1400	294	0.9	.07	518 ± 4	615 ± 34	✓
	A.46-1	05:40	7.17	9.7	2200	94	1.9	.09	2320 ± 157	2660 ± 23	✓
	A.62-1	06:00	7.20	6.4	2700	168	10.8	.26	2402 ± 57	2663 ± 158	✓
	A.63-1	06:19	6.93	10	5200	301	5.0	.10	1827 ± 14	2548 ± 7	✓
	A.64-1	06:39	6.62	11	4400	231	3.0	.07	1974 ± 12	2569 ± 6	✓
	CZ.2-4	06:58	6.58	11	1300	291	4.5	.34	520 ± 4	491 ± 45	✓
	A.65-1	07:24	6.50	11	4700	301	2.2	.45	1706 ± 13	2516 ± 9	✓

*i⁶ unstable
draped ~ 50% half way*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	

	A.66-1	07:43	6.50	9.8	3400	220	9.8	.26	1814 ± 13	2542 ± 9	✓
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	A.67-1	08:03	6.68	12	4200	193	9.2	.25	1960 ± 17	2560 ± 8	✓
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