UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
25~~24~~/5/00	99-73 + 99-70	BK	McN + MG

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 = 66V/9.6 for O^-; = ~~44V/25~~ 44V/24 1.8 for O_2^-; = 36V/1.8 for NO^-

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5595

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 = ~1.998

206-207 = 1.000 206-208 = 1.999

Primary-epoxy = 1.7 nA Primary-CZ3= 2.3 nA PESABM-CZ3 = 34 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: 99-73B = granitoid (>2780 Ma)

99-70A = Sed? same run table ~ 2635 Ma

NB: 99-70A alot of grains "plucked" from mount !!!

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	s1.8-1	12:48	7.55	11.4	1455	220	0.8	.07	572 ± 1	540 ± 27	✓
	- SWOPPED TO OTHER MOUNT -										
	s1.3-1	13:10	7.65	11.5	1484	212	4.9	.43	577 ± 1	525 ± 36	✓
1st Scan	B.1-1	13:31	7.61	10.7	4442	115	1.9	.04	2885 ± 9	2947 ± 5	✓ sub-r
	B.2-1	13:50	7.59	10.6	28.36	71	-ve	-	2993 ± 12	3108 ± 6	✓
	s1.3-2	14:09	7.40	11.1	1392	226	1.5	.01	575 ± 1	545 ± 21	✓
	B.3-1	14:31	7.42	10.7	612	60	2.1	.37	956 ± 4	972 ± 58	✓
	B.4-1	14:55	7.62	10.6	999	24	-ve	-	3049 ± 20	3067 ± 10	✓

99-70 ↑

99-73 ↓

1° ↓ = 2.1nA. v. stable

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Mount/sample No: 99-73 **Date:** 25/5/00 **Page No:** 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	sl.3-3	15:16	7.43	10.5	1243	225	0.1	.008	543 ± 1	548 ± 22	✓
	B.5-1	15:35	7.61	10.0	3802	97	2.5	.05	3094 ± 11	3079 ± 5	✓
	sl.3-4	15:56	7.54	10.5	1321	228	-ve	-	548 ± 1	638 ± 21	✓
	B.6-1	16:18	8.02	9.5	1164	27	1.1	.08	3067 ± 19	3105 ± 10	✓
	B.7-1	16:42	7.86	9.6	725	17	3.0	.35	3226 ± 26	3173 ± 13	✓
	sl.3-5	17:01	7.34	10.2	1271	233	-ve	-	569 ± 1	467 ± 21	✓
	B.8-1	17:21	7.73	9.4	3501	95	0.2	.005	2985 ± 11	3093 ± 6	✓
	B.9-1	17:52	7.94	9.2	3112	73	0.0	.001	3222 ± 8	3217 ± 6	✓
	B.10-1	18:13	7.45	9.3	5749	176	5.3	.07	2954 ± 8	2940 ± 5	✓ ✓
	sl.2-1	18:33	7.34	9.9	1169	225	1.6	.06	559 ± 1	523 ± 23	✓
	B.11-1	19:00	7.78	9.0	2911	77	4.3	.12	3096 ± 12	3067 ± 6	✓
	B.12-1	19:24	7.15	9.7	3218	102	2.9	.06	3069 ± 11	3003 ± 6	✓
	B.13-1	19:42	7.85	9.8	1678	39	4.7	.24	3170 ± 17	3176 ± 8	✓
	B.14-1	20:17	7.74	9.5	3994	107	3.4	.07	2973 ± 10	3042 ± 5	✓
	B.15-1	20:37	7.96	9.5	7179	182	12.5	.16	2938 ± 7	2935 ± 4	✓ ✓
	sl.2-2	20:56	7.65	9.8	1297	219	0.6	.03	576 ± 1	565 ± 22	✓
	B.16-1	21:21	7.91	9.2	765	20	1.5	.16	3021 ± 23	3096 ± 12	✓
	B.17-1	21:40	7.71	9.6	6117	167	5.2	.07	2919 ± 8	2902 ± 5	✓
	B.18-1	22:00	7.46	10.2	5228	125	1.9	.03	3327 ± 10	3395 ± 4	✓
	B.19-1	22:21	7.74	9.8	2455	64	2.4	.09	2967 ± 12	2951 ± 7	✓ ✓
	B.20-1	22:51	7.68	9.6	9077	253	8.5	.08	2912 ± 6	2784 ± 4	✓ Yuc
	sl.2-3	23:09	7.67	9.2	1207	218	-ve	.06	565 ± 1	587 ± 22	✓
	sl.8-2	23:31	7.84	8.8	1195	215	1.3	.05	564 ± 1	590 ± 22	✓
	A.10-1	23:57	7.45	9.1	982	59	2.4	.20	1706 ± 8	1786 ± 20	✓
	A.11-1	24:23	8.11	8.6	764	51	1.1	.15	1324 ± 6	1371 ± 26	✓