

UWA SHRIMP DATA LOG

Date: **5/6/00** UWA Mount No.: **99-87 & 82A** Whose sample?: **AP** Operator(s): **McN + AP**

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

Steel: Wein volts / nA = **66V/11.0** for O⁻; = **44V/2.2** for O₂⁻; = **34V/3.2** for NO⁻

dead-time = **32** nanosecs expected resolution = >4200 actual resolution = **4980**

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 = **8.166** 204-bkg = **0.045** 204-206 = **~1.997**

206-207 = **1.000** 206-208 = **2.000**

Primary-epoxy = **2.0** nA Primary-CZ3 = **2.85** nA PESABM-CZ3 = **45** pA

Raster time (mins): **2** Raster aperture (microns): **120** No. of scans: **7**

Comments: **99-87E → 5 to 10** (already analysed 29 grains) ~ 2463 ± 4

~~82A~~ **82A** (already analysed 10 grains) ~ 2458 ± 8 n=7

82B (already analysed 25 grains) ~ 2452 ± 3 n=13

P.T.O. std calibraⁿ

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?
	S1.3-1	11:42	6.99	14.5	1452	220	-0.1	/	572 ± 1	541 ± 16	✓ o.k.
	S1.3-2	12:06	3.08	5.8	213	-ve	6.0	/	726 ± 2	659 ± 40	✓ X
	S1.3-3	12:30	3.28	6.2	246	-ve	-ve	.20	667 ± 2	564 ± 74	✓ X
	S1.4-1	13:06	5.58	14.0	1024	330	1.6	.09	577 ± 1	572 ± 33	✓ X?
	E 6-2	13:35	6.46	15.1	1207	45	1.1	.08	2439 ± 10	2457 ± 10	✓ o.k.
	S1.15-1	14:04	6.46	15.1	1355	253	1.5	.11	565 ± 1	517 ± 27	✓ o.k.
	E 30-1	14:32	6.44	14.8	1085	43	21.5	1.60	2354 ± 11	2400 ± 21	✓ ✓
	E 31-1	15:12	6.15	14.5	4348	259	9.3	.15	1922 ± 4	2186 ± 6	✓ ✓

charging

charging

counts + charging age ok.

99-87

change B.25 → B.34!

Mount/sample No: 99-87+82 Date: 5-6/6/00 Page No: 2

Rejection over-ride	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?	
	E.32-1	15:40	6.52	15.4	2787	97	2.1	.07	2463 ± 7	2470 ± 7	✓	o.k.
	E.33-1	16:10	6.57	14.8	4278	156	2.2	.05	2415 ± 6	2425 ± 5	✓	young?
	E.2-3	16:35	6.28	14.8	830	34	1.0	.09	2439 ± 13	2459 ± 16	✓	O.K.
	sl. 15-2	17:04	6.46	15.3	1383	253	1.4	.006	570 ± 1	572 ± 17	✓	
99-82 [B]	B.25-1	17:46	6.47	15.4	5343	186	-ve	-	2525 ± 5	2458 ± 4	✓	ok
196, 206 → uo failed	B.26-1	18:11	6.56	14.9	6083	215	0.8	.01	2476 ± 5	2460 ± 4	✓	ok
	B.27-1	18:34	6.59	15.0	4283	153	8.6	.18	2402 ± 5	2433 ± 6	✓	young?
	B.28-1	18:56	6.66	15.0	6079	207	0.5	.008	2449 ± 5	2465 ± 4	✓	ok.
196, 206 - 208, 210-uo failed	982 sl. 2-1	19:26	6.58	15.0	1380	239	1.4	.11	579 ± 1	521 ± 24	✓	
	B.29-1	19:49	6.37	15.3	4977	181	0.0	0.0	2543 ± 5	2465 ± 5	✓	ok
	B.30-1	20:11	6.06	16.2	5170	213	4.6	0.06	2507 ± 5	2453 ± 5	✓	ok
	B.31-1	20:39	6.37	15.5	4558	169	2.2	.04	2471 ± 5	2439 ± 5	✓	young
196, 206, 208 - uo failed	B.32-1	21:07	6.64	15.4	3994	132	1.2	.03	2470 ± 6	2477 ± 5	✓	o.k.
del scan 4 208-uo sharp ↓	B.33-1	21:29	6.43	15.1	2664	98	0.5	.02	2489 ± 8	2481 ± 7	✓	o.k. old?
	982 sl. 4-1	21:55	6.62	14.7	1402	244	-ve	-	577 ± 1	580 ± 16	✓	
[A]	A.11-1	22:18	6.73	14.7	4160	137	0.7	.02	2497 ± 6	2456 ± 5	✓	o.k.
	A.12-1	22:42	6.45	14.9	4308	162	2.2	.04	2455 ± 6	2467 ± 5	✓	o.k.
	A.13-1	23:10	6.30	15.3	2315	90	-	-	2491 ± 8	2491 ± 7	✓	old?
	A.14-1	23:32	5.93	15.7	2265	104	0.4	.01	2494 ± 8	2463 ± 7	✓	ok
	A.15-1	23:54	6.68	15.0	4898	171	5.3	.10	2361 ± 5	2400 ± 5	✓	young
	982 sl. 4-2	24:28	6.62	14.3	1378	243	0.8	.06	581 ± 1	555 ± 26	✓	
206 → uo failed	A.16-1	24:50	6.41	14.4	2812	110	0.0	-	2483 ± 7	2500 ± 6	✓	old?
	A.17-1	01:14	6.44	15.6	1597	58	-ve	-	2443 ± 9	2476 ± 8	✓	o.k.
	A.18-1	01:41	6.63	14.5	2117	73	0.0	.001	2517 ± 8	2461 ± 7	✓	o.k.
	A.19-1	02:03	6.83	14.6	3918	129	2.5	.06	2408 ± 6	2446 ± 6	✓	young?

A - need < 150 ppm U.

Mount/sample No: 99-87 & 82

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	A. 20-1	02:26	6.55	15.0	4649	(174)	3.5	.06	2366 ± 5	2404 ± 5	✓
	A. 21-1	02:50	6.75	15.3	4226	135	2.2	.05	2436 ± 6	2432 ± 5	✓
	987 sl. 16-1	03:17	6.29	15.4	1312	256	0.6	.003	578 ± 1	590 ± 18	✓
	A. 22-1	03:40	6.51	15.0	4064	145	-ve	-	2489 ± 6	2458 ± 5	✓
	A. 23-1	04:04	5.16	15.0	3287	(164)	-	-	3629 ± 13	2455 ± 6	✓
	A. 24-1	04:			2° went funny						
	987 sl.	Fuse blew.									
	A										
	A										

99-82
A

208-110 del scan 6
196-110 descans A 7

350
089J
110