

KD1: nstd = 8 $\delta = 1.24\%$ (δ Actual 1.94) = 1.19% incl sl 987.4-1 exc
 KD2: nstd = 7 $\delta = 1.34\%$ (δ Actual 1.79) = 1.16% exc " all s.
 sl 987.3-2 & 3-3 bec of charging

UWA SHRIMP DATA LOG

Date: 5/6/00 UWA Mount No. 99-87 & 82A Whose sample? AP Operator(s) McW + 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* 30/10* 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 (already analysed 10 grains) ~ 2458 ± 8 n=7

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

P.T.O std calibra²

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?
	sl.3-1	11:42	6.99	14.5	1452	220	-0.1	/	572 ± 1 541 ± 16	✓
charging	sl.3-2	12:06	3.08	5.8	213	-ve	6.0	/	726 ± 2 657 ± 40	✓
charging	sl.3-3	12:30	3.28	6.2	246	-ve	-ve	.20	667 ± 2 564 ± 74	✓
charging counts + charging ago ok?	sl.4-1	13:06	5.58	14.0	1024	330	1.6	.09	577 ± 1 572 ± 33	✓
	E 6-2	13:35	6.46	15.1	1207	45	1.1	.08	2439 ± 10 2457 ± 10	✓
	sl.15-1	14:04	6.46	15.1	1355	253	1.5	.11	565 ± 1 517 ± 27	✓
	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	✓

99-87

change B.25 → B.54

Mount/sample No: 99-87+82

Date: 5-6/6/00

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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?

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	✓ ok
	E.33-1	16:10	6.57	14.8	4278	156	2.2	.05	2415 ± 6	2425 ± 5	✓ young
	E.2-3	16:25	6.28	14.8	830	34	1.0	.09	2439 ± 13	2459 ± 16	✓ ok
	S.15-2	17:04	6.46	15.3	1333	255	1.4	.006	570 ± 1	572 ± 17	✓
99-82 [B]	B.25-1	17:46	6.47	15.4	5343	186	-ve	-	2525 ± 5	2488 ± 4	✓ ok
196, 206 → 10 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 → 08, 20 → 10 failed	932										
	S.16-2-1	19:26	6.53	15.0	1350	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 → 03 failed											
del screw 4, 28 → 10 sharp ↓	B.32-1	21:07	6.64	15.4	3994	132	1.2	.03	2470 ± 6	2477 ± 5	✓ ok
	B.33-1	21:29	6.43	15.1	2664	98	0.5	.02	2489 ± 8	2481 ± 7	✓ ok
	932										
	S.17-4-1	21:55	6.62	14.7	1402	244	-ve	-	577 ± 1	550 ± 16	✓
[A]	A.11-1	22:18	6.73	14.7	4160	137	0.7	.02	2497 ± 6	2456 ± 5	✓ ok
	A.12-1	22:42	6.45	14.9	4308	162	2.2	.04	2455 ± 6	2467 ± 5	✓ ok
	A.13-1	23:10	6.30	15.3	2315	90	-	-	2491 ± 8	2491 ± 7	✓ ok
?	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
	932										
206 → 10 failed	S.18-4-2	24:25	6.62	14.3	1315	243	0.3	.06	551 ± 1	555 ± 26	✓
	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	✓ ok
	A.18-1	01:41	6.63	14.5	2117	73	0.0	.001	2517 ± 8	2461 ± 7	✓ ok
	A.19-1	02:03	6.83	14.6	3918	129	2.5	.06	2408 ± 6	2446 ± 6	✓ ok

A. need < 150 ppm U

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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99-82
A

	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 5.16-1	03:17	6.21	15.4	1312	256	6.6	0.03	578 ± 1	700 ± 13	✓	
	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 ^o went funny									
	A.		Fuse blew.									
	A											
	A											

208-40 del scan 6
196-40 del scan 7