

**UWA SHRIMP DATA LOG**

Date: 19/2/00      UWA Mount No. 99-81      Whose sample? April      Operator(s) F + 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 = 18 for O<sup>-</sup>; = 3.0 for O<sub>2</sub><sup>-</sup>; = 6.6 for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 5090

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 = 1.999

206-207 = 1.000      206-208 = 2.000

Primary-epoxy = 2.7 nA      Primary-CZ3 = 3.7 nA      PESABM-CZ3 = 61 pA

Raster time (mins): 12      Raster aperture (microns): 120      No. of scans: 7

Comments: Sensitivity = 20

Note: alot of grains have been plucked out since during recoating part. grains analysed in previous session.

Kill 007.0.1

$\bar{A}$  stal (n=8)

n=6 (exc sl 1-6 & 1-7) OK (1-6 & 1-7 uo/u ↓ & 196 cps ↓)

$\delta$  (slope 2) = 10.19%

$\delta$  (slope 2) = 0.64% (Actual 2.21 = 0.29%) use this

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
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	CZ 1-1	11:42	6.35	22.5	2288	220	1.5	.13	571 ± 1	567 ± 21	✓
	CZ 1-2	12:07	6.31	22.4	2240	222	0.5	.04	571 ± 1	493 ± 19	✓
	CZ 1-3	12:51	6.09	23.3	2089	220	-	-	572 ± 1	599 ± 13	✓
	A.42-1	13:13	6.64	20.4	10.1k	187	1.9	.03	2423 ± 4	2459 ± 3	✓
	A.43-1	13:50	6.48	20.5	12.7k	245	4.9	.01	2490 ± 4	2458 ± 3	✓
	A.44-1	14:13	6.36	22.3	12.8k	236	1.6	.02	2539 ± 4	2456 ± 3	✓
	CZ 1-4	14:41	6.04	22.4	2028	229	0.6	.05	570 ± 1	562 ± 19	✓
	A45-1	15:03	6.37	23.0	12.3k	234	2.6	.04	2396 ± 3	2420 ± 3	✓

Labelled 3-1 on file

Computer shut down!

I<sup>0</sup> = 3.5 nA

I<sup>0</sup> = 3.6 nA

Rejection over-ride Sample/Std ID Time - printout UO/U Kcps 196 206 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 Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
alot fail - smenos	A46-1	15:41	5.82	24.1	9470	234	2.3	.03	2371 ± 4	2468 ± 4	✓
	A47-1	16:03	6.31	23.1	11.3k	209	4.0	.06	2494 ± 4	2463 ± 3	✓
	A48-1	16:25	6.73	19.9	15.0k	267	6.7	.08	2479 ± 3	2442 ± 3	✓
	A49-1	16:47	6.45	22.3	9.8k	182	1.5	.03	2447 ± 4	2455 ± 3	✓
	C21-5	17:09	5.97	23.2	2104	236	0.0	.001	574 ± NF	519	✓ O.K.
P.K.	AS0-1	17:31	5.93	25.2	6396	132	0.6	.01	2517 ± 5	2464 ± 4	✓
	AS1-1	17:53	6.09	21.7	13.0k	284	2.8	.03	2540 ± 4	2477 ± 3	✓
alot fail	AS2-1	18:15	6.34	22.4	9854	187	0.4	-.006	2474 ± 4	2472 ± 3	✓
	AS3-1	18:36	6.21	23.1	16.4k	353	9.4	.09	2300 ± 3	2407 ± 3	✓
	AS4-1	18:58	5.98	21.3	10.1k	239	0.7	.008	2520 ± 4	2460 ± 4	✓
	AS5-1	19:19	5.64	22.1	8895	246	3.0	.04	2551 ± 4	2441 ± 4	✓
	C24-1	19:43	6.34	22.2	2273	219	-ve	-ve	578 ± 1	574 ± 13	✓
	C.8-1	20:07	6.16	23.7	15.4k	309	3.3	.03	2433 ± 3	2436 ± 3	✓
	C.9-1	20:29	5.17	20.5	4208	211	6.4	.11	2175 ± 5	2456 ± 6	✓
Printer problems	C-10-1		No PRINTOUT			188	2.6	.04	2446 ± 4	2433 ± 4	✓
	C11-1	21:14	6.65	23.3	10.6k	165	4.6	.08	2512 ± 4	2453 ± 3	✓
	C12-1	21:39	5.21	18.8	3597	173	10.3	.19	2355 ± 6	2489 ± 6	✓
	C13-1	22:03	6.38	21.9	20.0k	375	7.7	.06	2507 ± 3	2427 ± 3	✓
	C21-6	22:27	4.27	13.4	693	688	3.8	.12	501 ± 1	528 ± 41	✓ NB counts < previous!
	C21-7	22:50	3.45	10.9	442	1176	-ve	-ve	560 ± 1	571 ± 29	✓

i=3.5

sample changing? A coat too thin?