

### UWA SHRIMP DATA LOG

Date: 17/11/02      UWA Mount No. C100 + C96      Whose sample? NU + MB      Operator(s) MB.

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 = -251/-24/19.0 for O<sup>-</sup>; = -173/-43v/4.2nA for O<sub>2</sub><sup>-</sup>; = -138/-34v/13.9 for NO<sup>-</sup>

dead-time = 24 nanosecs      expected resolution = >4200      actual resolution = 5080

aperture = 200? 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 ± 6

206-207 = 1.000      206-208 = 2.000

Primary-epoxy = 2.6 nA      Primary-CZ3 = 3.6 nA      PESABM-CZ3 = 64 pA

Raster time (mins): 1.5      Raster aperture (microns): 70      No. of scans: 6

Comments:

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?
	C100cz.1-1	19:57	5.55	23	2250	555	1.7	0.063	550 ± 4	591 ± 27	✓
	C100cz.1-2	20:20	5.50	24	2335	544	4.2	0.15	574 ± 3	505 ± 26	✓
	C100a.1-1	21:05	5.61	22	10740	681	23.4	0.18	1960 ± 22	2303 ± 7	✓
	C100cz.2-1	21:25	5.54	23	2307	569	1.9	0.068	556 ± 8	586 ± 32	✓
	C57cz.6-1	21:49	5.64	24	2374	541	-	-	559 ± 3	561 ± 18	✓
	C100a.2-1	22:37	5.54	23	10370	510	9.3	0.078	2349 ± 9	2587 ± 4	✓
	C100a.3-1	23:04	5.57	23	7923	385	13.4	0.142	2441 ± 11	2605 ± 5	✓
	C100cz.2-2	23:23	5.43	25	2434	577	4.2	0.142	588 ± 10	510 ± 37	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Offsets OK?
									206/238	207/206	
	C100a.4-1	23:44	5.64	22	1657	67	1.5	0.077	2797 $\pm$ 157	2874 $\pm$ 44	✓
	C100a.4-2	00:04	5.51	23	1082	40	-	-	3025 $\pm$ 47	2960 $\pm$ 10	✓
	C100a.5-1	00:52	5.80	21	12040	730	35	0.237	2053 $\pm$ 20	2415 $\pm$ 8	✓
	C100a.2-3	01:01	5.51	23	2425	569	2.7	0.094	575 $\pm$ 3	506 $\pm$ 23	✓
	C100a.5-2	01:44	6.13	21	6742	275	1.5	0.02	2665 $\pm$ 18	2659 $\pm$ 5	✓
	C100a.6-1	02:10	5.66	22	3331	127	2.3	0.058	2773 $\pm$ 24	2711 $\pm$ 7	✓
	C100a.7-1	02:38	5.58	22	1120	625	3.5	0.026	2199 $\pm$ 8	2501 $\pm$ 4	✓
	C100a.2-4	02:57	5.67	22	2325	576	1.4	0.051	588 $\pm$ 3	548 $\pm$ 27	✓
	C100a.6-2	03:21	5.33	26	6303	250	2.9	0.041	2715 $\pm$ 13	2808 $\pm$ 6	✓
	C100a.8-1	03:41	5.46	24	9762	517	5.2	0.469	2169 $\pm$ 8	2536 $\pm$ 6	✓
	C100a.9-1	03:59	5.90	23	11970	715	11.7	0.091	1876 $\pm$ 11	2268 $\pm$ 10	✓
	C100a.3-1	04:20	5.52	22	2233	553	2.3	0.083	573 $\pm$ 4	529 $\pm$ 22	✓
	C100a.10-1	04:43	6.3	19	17420	1274	24	0.112	1757 $\pm$ 5	1939 $\pm$ 4	✓
	C100a.11-1	05:04	5.72	22	2616	133	4.1	0.136	2292 $\pm$ 21	2692 $\pm$ 9	✓
	C100a.12-1	05:24	<del>5.31</del> 5.31	26	6771	326	5.3	0.07	2306 $\pm$ 26	2564 $\pm$ 11	✓
	C100a.3-2	05:45	5.62	22	2339	546	-	-	588 $\pm$ 3	574 $\pm$ 20	✓
	C100a.13-1	06:08	5.07	21	1777	95	0.9	0.034	2634 $\pm$ 23	2647 $\pm$ 11	✓
	C100a.14-1	06:29	5.89	19	10120	625	19.4	0.143	2185 $\pm$ 9	2481 $\pm$ 6	✓
	C100a.15-1	06:47	5.46	23	8580	384	9.0	0.088	2606 $\pm$ 12	2636 $\pm$ 5	✓
	C100a.4-1	07:09	5.45	24	2305	530	3.1	0.118	579 $\pm$ 7	581 $\pm$ 28	✓
	C100a.16-1	07:28	5.60	22	6249	289	10.2	0.132	2601 $\pm$ 15	2644 $\pm$ 5	✓
	C100a.4-2	08:29	5.54	23	2403	555	1.5	0.054	573 $\pm$ 3	543 $\pm$ 26	✓