

### UWA SHRIMP DATA LOG

Date: 1/9/02 UWA Mount No.: C33, C48 Whose sample?: SB/AMIRA Operator(s): SB/MG.

---

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

**Precambrian** Count time (secs): 2 10 10 <sup>10</sup>~~10/20\*~~ <sup>30</sup>~~30/10\*~~ 10 5 5 2  
**Phanerozoic\*** Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 341/16 nA for O<sup>-</sup>; = 239/3.9 nA for O<sub>2</sub><sup>-</sup>; = 190/15 nA for NO<sup>-</sup>

dead-time = 24 nanoseconds expected resolution = >4200 actual resolution = ~~447100~~  
aperture = 100 microns retardation lens = - volts 4305

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 = # 2.0039  
206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 3.4 nA Primary-CZ3 = 4.8 nA PESABM-CZ3 = 78 pA  
Raster time (mins): 1.0 Raster aperture (microns): 70 No. of scans: 7

Comments: Mounts C33, C48

- Priority ① 20 analyses on E401 C33A  
③ 6-10 analyses on E407 C33C  
② 25<sup>+</sup> analyses on E400 C48A

FT/B = 0.27  
HT/LT = 0.63  
Sens = 15.7

**STANDARDS:**  
~~n = 10~~ (not first std)  
1.24 ~~1.24~~ using actual slope = 2.56  
2.70 ~~2.70~~ using default = 2.00

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?
	<u>CZ.1-14*</u>	<u>11:13</u>	<u>7.73</u>	<u>23</u>	<u>2285</u>	<u>551</u>	<u>1.1</u>	<u>-04</u>	<u>572</u> <u>546</u>	✓
	<u>CZ.1-15</u>	<u>11:41</u>	<u>6.94</u>	<u>30</u>	<u>2106</u>	<u>479</u>	<u>-ve</u>	<u>-ve</u>	<u>537</u> <u>664</u>	✓
	<u>CZ.1-16*</u>	<u>12:07</u>	<u>7.47</u>	<u>28.2</u>	<u>2088</u>	<u>551</u>	<u>1.9</u>	<u>-07</u>	<u>572</u> <u>525</u>	✓
	<u>CZ.1-17</u>	<u>12:33</u>	<u>7.65</u>	<u>28.7</u>	<u>2217</u>	<u>551</u>	<u>-0.2</u>	<u>-ve</u>	<u>585</u> <u>554</u>	
	<u>E401.8-1</u>	<u>13:01</u>	<u>6.98</u>	<u>30.6</u>	<u>1098</u>	<u>456</u>	<u>6.8</u>	<u>.06</u>	<u>2462</u> <u>2470 ± 11</u>	✓
	<u>E401.9-1</u>	<u>13:31</u>	<u>7.31</u>	<u>27.8</u>	<u>1140</u>	<u>48</u>	<u>0.2</u>	<u>.02</u>	<u>2891</u> <u>2686 ± 24</u>	
	<u>E401.10-1</u>	<u>13:57</u>	<u>7.84</u>	<u>26.1</u>	<u>1541</u>	<u>69</u>	<u>1.8</u>	<u>.09</u>	<u>2869</u> <u>2693 ± 11</u>	✓
	<u>E401.11-1</u>	<u>14:32</u>	<u>7.32</u>	<u>31.3</u>	<u>6879</u>	<u>266</u>	<u>2.4</u>	<u>.03</u>	<u>2794</u> <u>2669 ± 44</u>	

New Calib. Std. →  
[A]

*ee*

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?
	E401.11-2	14:57	7.14	29.1	6890	300	7.1	.08	2768	2658 ±12	
	CZ.1-18	15:26	7.01	25.9	1943	547	5.5	.20	585	487	✓
	E401.12-1	15:53	7.81	30.5	9194	341	3.8	.12	2755	2655 ±8	
	E401.13-1	16:18	7.11	32.2	4788	196	2.7	-.05	2695	2665 ±21	
	E401.14-1	16:53	7.12	28.2	2646	111	11.2	-.33	2883	2701 ±10	
	E401.15-1	17:19	7.90	28.1	11910	492	15	.11	2659	2526 ±5	
	CZ.1-19	17:46	7.18	27.4	2225	564	3.4	-.11	596	555	✓
	E401.16-1	18:21	7.71	22.3	4412	214	3.3	.05	2897	2679 ±40	✓
	E401.16-2	18:45	7.52	28.1	6621	292	5.6	.07	2660	2588 ±55	-
	E401.17-1	19:14	7.16	28.6	8060	365	4.9	.05	2715	2621 ±5	-
	E401.18-1	19:41	7.30	28.6	1234	51	3.7	.24	2860	2708 ±15	-
	CZ.1-20	20:08	7.19	29.2	2284	555	1.8	.06	585	548 ±21	-
Should be 4	E301.17-1	20:34	7.91	28.6	6540	248	5.2	.07	2817	2655 ±5	-
	E401.20-1	21:00	7.36	29.4	5026	200	4.7	-.08	2858	2663 ±32	-
	E401.21-1	21:28	7.01	27.1	6385	313	64.1	.73	2704	2607 ±37	✓
	E401.22-1	21:56	6.71	34.1	4470	184	76.9	1.5	2670 ±49	2682 ±20	✓
	CZ.1-21	22:23	7.21	27.3	2204	563	-ve	-	592 ±5	667 ±26	✓
	E401.23-1	22:49	7.55	25.8	1036	44	-ve	-	2930	2721 ±16	✓
	E401.24-1	23:16	7.14	27.9	4514	202	0.2	.00	2803	2686 ±13	✓
	E400.1-1	23:49	7.06	26.8	1442	69	5.5	.28	2760	2691 ±14	✓
	E.400.2-1	00:14	7.32	24.4	2346	110	2.4	.07	2920	2702 ±8	✓
	CZ.1-1	00:42	7.20	25.9	2116	574	0.7	.02	588	608 ±23	✓
	E400.3-1	01:08	7.10	28.8	3324	148	5.6	.13	2756	2670 ±9	-
	E400.4-1	01:34	7.53	25.7	3191	139	-ve	-	2893	2679 ±8	✓
	E400.5-1	02:00	7.01	25.1	1766	91	0.5	.02	2779	2693 ±81	✓

C33 A

Mount  
C48

A



Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	E400.6-1	02:26	7.47	25.3	1074	49	1.5	.10	2864	2685 ± 13	✓
	C2.1-2	02:53	7.51	26.8	2339	583	1.7	.05	608 ± 6	563 ± 29	✓
	E400.7-1	03:20	7.36	28.7	2696	112	2.0	.06	2819 ± 24	2667 ± 7	✓
	E400.8-1	03:46	7.39	27.3	2067	87	1.2	.05	2876	2722 ± 9	✓
	E400.9-1	04:03	2.45								

C48 [A]

only 2 scans

→