

UWA SHRIMP DATA LOG

Date: 6/1/04 UWA Mount No.: C43±C37 Whose sample?: NV 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 2 1 3 2 2

Steel: Wein volts / nA = 366/4.1 for O⁻; = 270/1.0 for O₂⁻; = 230/1.55 for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4618

aperture = 30 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 = 8.151 204-bkg = 0.045 204-206 = ~1.997 = 5

206-207 = 0.999 206-208 = 1.997

Primary-epoxy = 0.9 nA Primary-CZ3 = 12 nA PESABM-CZ3 = 18 pA

Raster time (mins): 2 Raster aperture (microns): 50 No. of scans: 7

Comments:

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?
	<u>C23.1-1</u>	<u>11:42</u>	<u>6.37</u>	<u>6.1</u>	<u>626</u>	<u>238</u>	<u>(-)</u>	<u>(-)</u>	<u>572±6</u>	<u>589±30</u>	<u>✓</u>
	<u>C23.2-1</u>	<u>12:05</u>	<u>6.29</u>	<u>7.0</u>	<u>630</u>	<u>236</u>	<u>1.8</u>	<u>0.15</u>	<u>565±5</u>	<u>523±50</u>	<u>✓</u>
	<u>C43b.17-1</u>	<u>12:41</u>	<u>6.86</u>	<u>6.8</u>	<u>870</u>	<u>477</u>	<u>10.8</u>	<u>1.12</u>	<u>2040±38</u>	<u>2635±30</u>	<u>✓</u>
	<u>C43b.18-1</u>	<u>13:04</u>	<u>6.51</u>	<u>5.5</u>	<u>1100</u>	<u>96.6</u>	<u>19.5</u>	<u>0.90</u>	<u>2261±29</u>	<u>2678±21</u>	<u>✓</u>
	<u>C23.2-2</u>	<u>13:53</u>	<u>6.28</u>	<u>6.7</u>	<u>590</u>	<u>235</u>	<u>0.8</u>	<u>0.07</u>	<u>559±1</u>	<u>597±49</u>	<u>✓</u>
	<u>C43b.19-1</u>	<u>14:19</u>	<u>6.34</u>	<u>6.5</u>	<u>830</u>	<u>59</u>	<u>6.9</u>	<u>0.42</u>	<u>2686±44</u>	<u>2634±17</u>	<u>✓</u>
	<u>C43b.8-2</u>	<u>14:44</u>	<u>6.95</u>	<u>6.4</u>	<u>4300</u>	<u>306</u>	<u>22.6</u>	<u>0.295</u>	<u>2454±15</u>	<u>2435±8</u>	<u>✓</u>
	<u>C43b.19-1</u>	<u>15:08</u>	<u>6.38</u>	<u>6.0</u>	<u>590</u>	<u>48.1</u>	<u>18.8</u>	<u>1.53</u>	<u>2485±40</u>	<u>2659±30</u>	<u>✓</u>

C43↓

Aborted Z analyses due to high ²⁰⁶Pb →

Lost 1° extraction HV

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?

	C23.3-1	15:33	6.33	6.6	610	238	(-)	(-)	568±5	618±28	✓
	C43b.14-2	15:56	6.70	6.8	640	54	16.6	1.47	2096±33	2714±31	✓
	C43b.20-1	16:21	6.32	6.5	660	48	2.3	0.18	2618±37	2680±17	✓
	C43b.20-2	16:44	6.17	6.8	590	46	4.1	0.36	2460±37	2647±21	✓
	C23.4-1	17:07	6.32	6.4	620	243	0.6	0.05	587±5	553±44	✓
Aborted analysis due to high ²⁰⁴ Pb.	C43b.21-1	17:42	7.44	6.4	4500	272	18.8	0.26	2590±25	2500±14	✓
	C43b.22-1	18:08	6.62	6.7	4600	295	19.1	0.23	2713±54	2595±41	✓
Aborted analysis due to high ²⁰⁴ Pb.	C43b.23-1	18:49	6.76	6.5	3900	267	16.9	0.24	2606±18	2503±8	✓
	C23.4-2	19:14	6.30	6.6	610	240	0.2	Inf	574±6	597±27	✓
	C43b.24-1	19:42	6.45	6.5	420	31	0.1	0.02	2535±45	2667±17	✓
	C43b.16-2	20:09	6.53	6.7	2400	163	2.5	0.06	2650±21	2660±10	✓
Aborted analysis due to high ¹⁸ O.	C43b.25-1	20:41	6.54	6.3	4400	545	42.4	0.50	2457±15	2473±9	✓
	C23.5-1	21:05	6.31	6.9	630	235	1.1	0.09	582±5	494±45	✓
	C43b.76-1	21:50	6.50	6.7	2000	135	3.0	0.09	2672±23	2645±10	✓
	C43b.26-2	22:13	6.25	8.0	2200	157	19.0	0.54	2236±18	2636±14	✓
	C43b.27-1	22:37	6.12	7.3	940	71.9	4.0	0.23	2387±29	2653±14	✓
	C23.6-1	23:01	6.34	6.7	630	242	(-)	(-)	574±5	598±29	✓
STOP Pop b	C43b.28-1	23:33	6.41	6.9	540	37.1	4.7	0.47	2583±45	2640±21	✓
START Pop A	C43a.1-3	00:06	6.37	7.3	1600	98.7	4.5	0.17	266±26	2649±13	✓
	C43a.5-2	00:31	6.30	6.8	1000	74	4.4	0.22	2613±31	2648±14	✓
	C23.6-2	00:54	6.23	7.1	640	240	1.0	0.08	565±5	556±45	✓
	C43a.3-2	01:17	6.28	7.1	1300	85.4	2.6	1.08	2714±28	2644±12	✓
	C43a.15-2	01:43	6.39	6.7	1500	98.7	5.7	0.20	2713±28	2630±12	✓
	C43a.29-1	02:06	6.31	7.0	2000	144	9.2	0.25	2532±21	2654±10	✓
	C23.6-3	02:31	6.18	7.6	650	235	1.1	0.10	559±5	593±64	✓

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	
	c43a.30-1	02:58	6.48	7.2	1300	81	0.4	0.02	2651 \pm 28	2651 \pm 11	✓
	c43a.30-2	03:25	6.36	6.8	1500	102	0.7	0.03	2658 \pm 31	2672 \pm 10	✓
	c43a.30-3	03:48	6.19	7.7	1700	104	14.1	0.49	2666 \pm 24	2655 \pm 13	✓
	c23.7-1	04:12	6.22	7.1	660	245	(-)	(-)	569 \pm 6	621 \pm 31	✓
	c43a.31-1	04:41	6.21	7.1	1500	105	0.6	0.02	2648 \pm 30	2672 \pm 12	✓
	c43a.32-1	05:04	6.39	6.9	2000	140.1	7.9	0.22	2544 \pm 22	2667 \pm 10	✓
	c43a.33-1	05:38	6.19	6.9	1200	82.5	0.7	0.03	2681 \pm 28	2661 \pm 11	✓
	c23.7-2	06:01	6.35	6.6	620	240	(-)	(-)	572 \pm 6	583 \pm 27	✓
	c43d.19-1	06:29	6.40	6.8	630	42.8	(-)	(-)	2667 \pm 41	2644 \pm 16	✓
	c43d.19-2	06:52	6.29	7.3	480	31.9	2.6	0.30	2623 \pm 54	2649 \pm 21	✓
	c43d.20-1	07:16	6.27	6.9	360	23.8	2.8	0.42	2695 \pm 58	2626 \pm 25	✓
	c43d.20-2	07:39	6.18	7.4	210	13	0.5	0.13	2745 \pm 72	2656 \pm 32	✓
	c23.8-1	08:02	6.25	7.0	630	238	1.1	0.07	565 \pm 5	625 \pm 42	✓
	c23.8-2	08:25	6.32	6.5	600	240	(-)	(-)	567 \pm 5	626 \pm 30	✓

STOP Pop a
START Pop d.