

UWA SHRIMP DATA LOG

Date: 28/12/04 UWA Mount No.: MB-3 Whose sample?: 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 6 6 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 25 nanosecs expected resolution = >4200 actual resolution = 5450

aperture = 100 microns retardation lens = 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 = 0.047 204-206 = ~2.008

206-207 = 1.003 206-208 = 2.018

Primary-epoxy = 2.2 nA Primary-CZ3 = 2.9 nA PESABM-CZ3 = pA

Raster time (mins): 2.0 Raster aperture (microns): 120 No. of scans: 6

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>CZ3.1-1</u>	<u>19:09</u>	<u>5.87</u>	<u>19</u>	<u>2600</u>	<u>550</u>	<u>0.1</u>	<u>0.0002</u>	<u>564 ± 3</u>	<u>565 ± 15</u>	✓
	<u>CZ3.1-2</u>	<u>19:28</u>	<u>6.03</u>	<u>18</u>	<u>2700</u>	<u>551</u>	-	-	<u>548 ± 4</u>	<u>606 ± 21</u>	✓
	<u>CZ3.1-3</u>	<u>19:46</u>	<u>5.93</u>	<u>20</u>	<u>2900</u>	<u>542</u>	-	-	<u>547 ± 3</u>	<u>553 ± 15</u>	✓
	<u>598.1-1</u>	<u>20:08</u>	<u>5.87</u>	<u>20</u>	<u>8000</u>	<u>271</u>	-	-	<u>2588 ± 8</u>	<u>2686 ± 8</u>	✓
	<u>598.2-1</u>	<u>20:28</u>	<u>5.92</u>	<u>20</u>	<u>14000</u>	<u>443</u>	-	-	<u>2559 ± 5</u>	<u>2684 ± 5</u>	✓
	<u>598.3-1</u>	<u>20:47</u>	<u>5.78</u>	<u>20</u>	<u>11000</u>	<u>384</u>	<u>3.6</u>	<u>0.034</u>	<u>2643 ± 40</u>	<u>2671 ± 22</u>	✓
	<u>598.4-1</u>	<u>21:05</u>	<u>5.74</u>	<u>22</u>	<u>14000</u>	<u>471</u>	<u>2.6</u>	<u>0.02</u>	<u>2614 ± 11</u>	<u>2676 ± 4</u>	✓
	<u>CZ3.1-4</u>	<u>21:24</u>	<u>5.79</u>	<u>23</u>	<u>3100</u>	<u>543</u>	-	-	<u>546 ± 4</u>	<u>579 ± 24</u>	✓

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	
	598.5-1	21:43	5.92	20	12000	437	1.7	0.015	2594 \pm 18	2688 \pm 4	✓
	598.6-1	22:02	5.93	20	16000	414	0.6	0.0005	2610 \pm 13	2681 \pm 6	✓
	598.7-1	22:21	5.87	20	16000	562	—	—	2627 \pm 14	2681 \pm 4	✓
	598.8-1	22:40	5.77	20	11000	398	0.4	0.0003	2592 \pm 14	2683 \pm 5	✓
	598.9-1	22:58	5.91	20	15000	527	0.2	0.0001	2624 \pm 43	2694 \pm 4	✓
	C23.1-5	23:17	5.71	24	3000	529	3.6	0.143	552 \pm 3	497 \pm 29	✓
	598.10-1	23:38	5.91	22	8000	243	0.7	0.011	2594 \pm 23	2676 \pm 6	✓
	598.11-1	27:57	5.99	21	17000	529	—	—	2599 \pm 50	2682 \pm 35	✓
	598.12-1	00:16	5.79	20	11000	359	0.1	0.0001	2571 \pm 13	2698 \pm 7	✓
	598.14-1	00:36	5.83	21	10000	352	0.6	0.0006	2606 \pm 18	2683 \pm 5	✓
	C23.1-6	00:54	5.65	24	3100	525	0.9	0.0084	567 \pm 5	445 \pm 24	✓
	598.16-1	01:13	5.61	22	17000	552	1.4	0.0009	2672 \pm 23	2710 \pm 16	✓
	598.17-1	01:32	5.76	22	14000	459	—	—	2619 \pm 13	2675 \pm 5	✓
	598.18-1	01:50	5.77	20	14000	480	0.4	0.0003	2660 \pm 15	2677 \pm 5	✓
	598.19-1	02:09	5.78	20	13000	398	2.1	0.019	2635 \pm 125	2685 \pm 47	✓
	C23.1-7	02:28	5.76	21	2800	535	0.2	0.0008	548 \pm 4	494 \pm 23	✓
	598.20-1	02:48	5.79	20	11000	410	0.9	0.0009	2578 \pm 20	2685 \pm 11	✓
	598.21-1	03:08	5.85	20	4500	156	—	—	2596 \pm 17	2669 \pm 8	✓
	598.22-1	03:26	5.86	20	14000	515	—	—	2589 \pm 17	2676 \pm 4	✓
	598.23-1	03:45	5.76	20	9000	317	—	—	2676 \pm 18	2672 \pm 6	✓
	C23.1-8	04:04	5.86	20	2700	546	—	—	555 \pm 3	516 \pm 15	✓
	598.24-1	04:23	5.84	20	12000	408	—	—	2578 \pm 16	2680 \pm 3	✓
	598.25-1	04:41	5.75	20	11000	394	1.1	0.011	2611 \pm 12	2678 \pm 6	✓
	598.27-1	04:59	5.77	20	11000	361	—	—	2620 \pm 16	2676 \pm 6	✓
	598.26-1	05:18	5.85	20	9000	332	0.8	0.0009	2644 \pm 7	2688 \pm 7	✓

