

**UWA SHRIMP DATA LOG**

Date: 30/10/99      UWA Mount No.: 99-58      Whose sample?: Stu      Operator(s): McN + Stu B.

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 <sup>bits</sup> / nA = 300/18.0 for O<sup>-</sup>; = 196/2.8 for O<sub>2</sub><sup>-</sup>; = 157/6.2 for NO<sup>-</sup>  
 dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 5099  
 aperture = 1.00 microns      retardation lens = 9 volts <sup>bits</sup>

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  
 206-207 = 1.000    206-208 = 1.999

Primary-epoxy = 2.2 nA      Primary-CZ3 = 3.1 nA      PESABM-CZ3 = 28 pA  
 Raster time (mins): 1      Raster aperture (microns): 70      No. of scans: 6

Comments: NB: New software.      Standards.  
n = 10  
error = 1.76  
with slope = 2.0  
(Actual slope = 1.93)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	<u>sl.1-1</u>	<u>4:31</u>	<u>6.20</u>	<u>9.1</u>	<u>800</u>	<u>238</u>	<u>-0.0</u>	<u>/</u>	<u>572 ± 5</u>	<u>556 ± 36</u>	<u>✓</u>
	<u>sl.1-2</u>	<u>4:55</u>	<u>6.03</u>	<u>9.4</u>	<u>790</u>	<u>237</u>	<u>2.6</u>	<u>.08</u>	<u>567 ± 5</u>	<u>550 ± 30</u>	<u>✓</u>
	<u>D.1-1</u>	<u>5:22</u>	<u>6.39</u>	<u>8.4</u>	<u>480</u>	<u>25</u>	<u>0.0</u>	<u>&lt;.01</u>	<u>2797 ± 50</u>	<u>2643 ± 22</u>	<u>1.11</u>
	<u>D.2-1</u>	<u>5:48</u>	<u>6.49</u>	<u>8.8</u>	<u>520</u>	<u>27</u>	<u>1.5</u>	<u>.20</u>	<u>2680 ± 48</u>	<u>2648 ± 29</u>	<u>1.07</u>
	<u>sl.1-3</u>	<u>6:10</u>	<u>6.52</u>	<u>7.8</u>	<u>750</u>	<u>244</u>	<u>-1.8</u>	<u>.02</u>	<u>569 ± 6</u>	<u>590 ± 30</u>	<u>✓</u>
	<u>D.3-1</u>	<u>6:34</u>	<u>6.36</u>	<u>8.1</u>	<u>350</u>	<u>21</u>	<u>0.9</u>	<u>.15</u>	<u>2649 ± 62</u>	<u>2697 ± 25</u>	<u>0.87</u>
	<u>D.4-1</u>	<u>6:57</u>	<u>6.33</u>	<u>7.9</u>	<u>950</u>	<u>60</u>	<u>-0.4</u>	<u>.03</u>	<u>2569</u> <u>2650 ± 42</u>	<u>2650 ± 17</u>	<u>0.79</u>
	<u>D.5-1</u>	<u>7:21</u>	<u>6.34</u>	<u>8.6</u>	<u>670</u>	<u>39</u>	<u>-1.0</u>	<u>-10</u>	<u>2584 ± 50</u>	<u>2663 ± 24</u>	<u>0.81</u>

Th/U

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?

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?
	D.6-1	7:44	6.51	7.7	450	26	-1.4	-20	2692 ± 54	2680 ± 24	✓
	SI.2-1	8:09	6.47	7.8	770	241	1.9	.01	589 ± 7	575 ± 30	(
	D.7-1	8:33	6.41	8.6	1100	64	-2.0	-	<del>2604</del> ± 31	2670 ± 11	
	D.8-1	8:56	6.09	7.8	600	38	0.8	-0.8	2680 ± 43	2667 ± 19	
X	D.9-1	9:19	5.82	4.6	500	46	1.0	.06	3242 ±	2687 ± 340	
	D.10-1	9:47	6.81	4.8	520	49	3.7	-22	2585 ± 48	2654 ± 25	
	SI.2-2	10:12	6.91	4.7	530	255	5.5	.05	586 ± 7	554 ± 34	✓
	SI.4-1	10:54	7.16	4.6	500	255	0.8	.05	541 ± 6	597 ± 40	✓
	D.11-1	11:19	6.96	4.6	470	44	0.7	.06	2587 ± 56	2651 ± 22	
	D.12-1	11:42	6.93	4.5	470	44	5.3	.44	2686 ± 54	2641 ± 29	
	D.13-1	12:10	7.14	4.4	580	64	3.4	-23	2289 ± 40	2653 ± 25	
	D.14-1	12:32	6.92	4.5	970	99	4.8	-20	2471 ± 33	2555 ± 18	1.05
	SI.4-2	12:54	6.75	4.3	450	261	2.5	.01	559 ± 20	523 ± 60	✓
	C.1-1	1:18	6.77	4.3	780	225	1.5	.07	1059 ± 11	1001 ± 40	
	C.2-1	1:39	7.03	3.9	270	29	-0.8	-10	2711 ± 78	2716 ± 33	
	SI.4-3	2:02	6.91	4.3	460	250	3.8	.05	570 ± 7	605 ± 45	✓
	E.1-1	2:32	7.05	4.0	92	41	4.2	-90	709 ± 50	303 ± 370	
	E.2-1	2:54	7.02	4.2	2700	266	29	.40	2632 ± 30	2678 ± 11	
	E.3-1	3:17	7.00	4.2	3300	321	45	.06	2642 ± 23	2677 ± 9	
	E.4-1	3:40	7.06	4.3	3400	326	40	.08	2666 ± 34	2663 ± 28	
	E.5-1	4:03	6.91	3.8	5800	606	169	-0.8	2785 ± 18	2602 ± 10	
	SI.4-4	4:25	7.06	4.4	500	249	-0.9	-0.5	596 ± 8	497 ± 42	✓
	E.6-1	4:50	7.17	4.5	3800	339	26	.30	2651 ± 22	2655 ± 9	
	E.6-2	5:11	6.84	4.6	3800	369	5.9	.01	2584 ± 50	2619 ± 22	
	E.7-1	5:32	6.85	4.4	3400	330	360	.18	2601 ± 21	2609 ± 18	

Sudden drop in 10 beam current →  
 Rechecked Analysis

Still on calib. line. →

Th/U 1-12



