

A

**UWA SHRIMP DATA LOG**

Date: 15/2/04      UWA Mount No.: 03-119 & 03-116      Whose sample?: CRCY1 & ARC Disc.      Operator(s): AP & MA

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	270
Precambrian	Count time (secs):	2	10	10	10/30* 30/10	10	5	5	2	
Phanerozoic*	Delay time (secs):	8	3	1	2	<del>1</del> 1	3	2	2	

CZ3 Steep: Wein volts / nA = 89V/24nA for O<sup>-</sup>; = 65V/6.4nA for O<sub>2</sub><sup>-</sup>; = 56V/12.5nA for NO<sup>-</sup>

dead-time = 24 nanosecs      expected resolution = >4200      actual resolution = 4550

aperture = 50 (down) microns      retardation lens = 0 volts      SWS = 21.85

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 = 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-254 = 8.169      204-bkg = 0.045      204-206 = 1.999

206-207 = 1.000      206-208 = 2.000

Primary-epoxy = 4.6 nA      Primary-CZ3 = 6.6 nA      PESABM-CZ3 = 1 pA

Raster time (mins): 1.5      Raster aperture (microns): 105      No. of scans: 76

Comments: DO ~ 30 on 119C - use std on 116 ~ 3-4 Phla  
rem on 116 B (~2450)

Both detritals      2.0534 Pb/U = 0.1806  
U/Pu = 6.3243

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?
	<u>CZ3119-73</u>	<u>11:30</u>	<u>6.32</u>	<u>49</u>	<u>4300</u>	<u>238</u>	<u>0.3</u>	<u>0.02</u>	<u>572 ± 2</u>	<u>550 ± 26</u>	<u>✓</u>
	<u>CZ3116.i-1</u>	<u>12:02</u>	<u>6.25</u>	<u>49</u>	<u>4300</u>	<u>237</u>	<u>0.3</u>	<u>0.03</u>	<u>585 ± 5</u>	<u>521 ± 27</u>	<u>✓</u>
	<u>Ph 316.i-1</u>	<u>12:23</u>	<u>4.01</u>	<u>94</u>	<u>2300</u>	<u>30</u>	<u>-</u>	<u>-</u>	<u>2042 ± 14</u>	<u>2042 ± 10</u>	<u>✓</u>
<u>change name</u>	<u>Ph 218 - 1 2119C</u>	<u>12:48</u>	<u>6.18</u>	<u>50</u>	<u>3200</u>	<u>30</u>	<u>0.1</u>	<u>0.001</u>	<u>2851 ± 22</u>	<u>2765 ± 9</u>	<u>✓</u>
<u>change name</u>	<u>Ph 218 - 2 3119C</u>	<u>13:10</u>	<u>6.28</u>	<u>52</u>	<u>4200</u>	<u>40</u>	<u>4.7</u>	<u>0.43</u>	<u>2639 ± 105</u>	<u>2762 ± 37</u>	<u>✓</u>
<u>change name</u>	<u>CZ-1-2</u>	<u>13:31</u>	<u>6.25</u>	<u>51</u>	<u>4500</u>	<u>236</u>	<u>2.8</u>	<u>-</u>	<u>587 ± 3</u>	<u>501 ± 11</u>	<u>✓</u>
	<u>Ph 2-1</u>	<u>13:51</u>	<u>4.06</u>	<u>86</u>	<u>1400</u>	<u>18</u>	<u>0.2</u>	<u>0.05</u>	<u>2220 ± 19</u>	<u>2046 ± 15</u>	<u>✓</u>
	<u>C-8-1</u>	<u>14:19</u>	<u>6.29</u>	<u>53</u>	<u>4600</u>	<u>42</u>	<u>2.8</u>	<u>0.23</u>	<u>2700 ± 20</u>	<u>2766 ± 6</u>	<u>✓</u>

if Wien 2 voltages changed to

Mount/sample No: 03-119 63-116 Date: 15-16/2/04 Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C9-1	14:51 6145	6.45 84	54 5000	5000	51	9.3	0.78	2330 ± 13	2751 ± 9	✓
	C22-1 C10-1	16:07	6.37	57	4600	224	0.6	0.06	563 ± 2	504 ± 17	✓
	C21-3	16:26	6.53	49	4500	237	0.8	0.07	580 ± 2	539 ± 22	✓
	C10-1	16:47	6.46	58	3600	43	7.1	0.86	1947 ± 14	2764 ± 9	✓
	C17-1	17:08	6.04	60	4500	39	3.3	0.31	2692 ± 17	2778 ± 8	✓
	C18-1	17:32	6.34	50	5100	51	3.5	0.25	2638 ± 23	2770 ± 12	✓
	C21-4	17:58	5.99	54	4300	229	-	-	579 ± 3	542 ± 15	✓
	Ph 3-1	18:17	4.03	110	2800	28	0.3	0.05	2185 ± 14	2051 ± 10	✓
	C13-1	18:37	6.59	50	4300	42	7.6	0.70	2536 ± 19	2749 ± 9	✓
	C14-1	18:58	6.37	54	5700	52	4.4	0.32	2615 ± 15	2749 ± 8	✓
	C15-1	19:22	6.79	46	3500	38	6.7	0.72	2405 ± 58	2767 ± 10	✓
	C22-2	19:43	6.46	50	4700	243	-	-	587 ± 2	586 ± 18	✓
	C16-1	20:10	6.46	55	3300	31	3.6	-46	2475 ± 19	2764 ± 10	✓
	C17-1	21:34	6.09	60	4900	57	13	1.12	2057 ± 14	2748 ± 11	✓
	C21-5	22:04	5.99	53	4400	235	0.9	-0.7	585 ± 2	542 ± 16	✓
	B.1-1	22:31	6.04	57	1100	99	2.3	-0.8	2766 ± 10	2701 ± 4	✓
	B.2-1	22:51	5.57	57	4200	44	6.6	-55	2613 ± 10	2667 ± 10	✓
	B.3-1	23:18	6.11	62	5500	44	4.2	-33	2793 ± 16	2722 ± 7	✓
	B.4-1	23:41	6.95	42	2500	1125	4.9	-0.2	2158 ± 17	2344 ± 4	✓
	C21-6	00:03	6.27	49	4600	244	0.1	-0.0	599 ± 6	558 ± 27	✓
	B.5-1	00:24	6.07	60	7200	60	0.1	-0.6	2757 ± 14	2706 ± 4	✓
	B.6-1	00:45	6.20	57	6300	52	0.7	-0.6	2813 ± 17	2800 ± 5	✓
	B.7-1	01:04	6.13	57	5000	42	1.5	-1.2	2805 ± 19	2687 ± 7	✓
	B.8-1	01:23	5.93	59	2700	23	0.8	.13	2813 ± 24	2719 ± 8	✓
	B.9-1	01:48	5.95	54	7500	70	1.8	.09	2776 ± 12	2702 ± 5	✓

HV/i<sup>0</sup> →  
error \* I<sup>0</sup> = 7nA

03-116

NB: change file  
\* from B119B → 3116B

Rejection over-ride	Sample/ Std ID	Time - printout	UC/U Kcps	196 Kcps	206 cps	U ppn:	204pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>C2.1-7</u>	<u>02:09</u>	<u>6.15</u>	<u>47</u>	<u>4700</u>	<u>245</u>	<u>&lt;</u>	<u>-</u>	<u>595±3</u>	<u>582±13</u>	<u>✓</u>
	B.10-1	02:30	6.01	62	2100	16	0.4	-08	2839±27	2715±12	✓
	B.11-1	02:48	6.74	48	3200	457	5.1	-06	1885±16	2144±3	✓
	B.12-1	03:08	5.98	61	2700	22	0.3	-05	2855±29	2708±10	✓
	B.13-1	03:27	5.98	62	3000	25	1.9	-28	2745±20	2696±12	✓
	B.14-1	03:47	5.75	53	1700	191	8.0	.16	2506±9	2675±10	✓
	<u>C2.1-8</u>	<u>04:08</u>	<u>5.96</u>	<u>57</u>	<u>4600</u>	<u>271</u>	<u>0.7</u>	<u>.06</u>	<u>590±8</u>	<u>528±27</u>	<u>✓</u>
	B.15-1	04:28	6.15	55	2600	311	1.6	.03	2151±20	2422±3	✓
	B.16-1	04:47	6.60	59	7700	64	<del>1.5</del>	-08	2761±17	2703±9	✓
	B.17-1	05:06	5.93	59	6700	57	<del>1.5</del>	-09	2792±13	2710±6	✓
	B.18-1	05:33	6.18	56	5900	49	-	-	2850±20	2713±5	✓
	<u>C2.1-9</u>	<u>05:53</u>	<u>5.83</u>	<u>54</u>	<u>4300</u>	<u>235</u>	<u>0.4</u>	<u>.03</u>	<u>582±4</u>	<u>558±18</u>	<u>✓</u>
	B.19-1	06:15	6.09	59	1800	150	1.4	-03	2737±15	2701±9	✓
	B.20-1	06:34	6.85	45	3400	495	<u>1.65</u>	1.8	1897±10	1959±57	✓
	B.21-1	06:54	6.15	55	3500	46	1.9	.13	2895±16	2715±7	✓
	B.22-1	07:16	6.23	56	2000	172	0.7	.01	2770±8	2691±3	✓
	B.23-1	07:35	6.16	57	1600	138	1.1	.07	2784±12	2707±3	✓
	<u>C2.3-1</u>	<u>07:56</u>	<u>6.54</u>	<u>51</u>	<u>5000</u>	<u>244</u>	<u>0.4</u>	<u>.03</u>	<u>591±2</u>	<u>587±15</u>	<u>✓</u>
	B.24-1	08:15	5.78	58	4400	40	3.0	-27	2767±19	2687±9	✓
	B.25-1	08:39	5.54	51	3800	43	0.7	-06	2728±20	2709±8	✓

inclusion hit during 5<sup>th</sup> scan →