

### UWA SHRIMP DATA LOG

Date: 19/4/01      UWA Mount No.: B-22/B-13      Whose sample?: SB      Operator(s): SB

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

epox. ~~Steel~~ Wein <sup>bits</sup> / nA = 385/12 nA for O<sup>-</sup>; = 282/3.6 for O<sub>2</sub><sup>-</sup>; = 240/6.0 nA for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 4620

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 = 8.170    204-bkg = 0.045    204-206 = 1.9955      Sens = 14.3

206-207 = 1.001    206-208 = 2.002

Primary-epoxy = 3.6 nA    Primary-CZ3 = 4.9 nA    PESABM-CZ3 = 54 pA

Raster time (mins): 1.0    Raster aperture (microns): 100    No. of scans: 6

Comments: B-22 (B) E382 - <sup>Murch. Hills</sup> ~~Famous Blue~~ (Dukeston) [Stds B-22 n=8 1.51%]  
Q-Fsp Porphyry.

cmd/click.    B-13 (B) E376 - Famous Blue (Dukeston) [Stds B-13]

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?
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	<u>CZ.4-1</u> *	<u>11:33</u>	<u>7-05</u>	<u>22</u>	<u>2200</u>	<u>238</u>	<u>-0.2</u>	<u>-0.3</u>	<u>572</u> <u>575</u>	✓
	<u>CZ.4-2</u>	<u>11:52</u>	<u>7-27</u>	<u>20</u>	<u>2200</u>	<u>251</u>	<u>0.3</u>	<u>&lt;-0.1</u>	<u>577</u> <u>584</u>	
	<u>B.3-1</u>	<u>12:17</u>	<u>7-03</u>	<u>21</u>	<u>1400</u>	<u>27</u>	<u>1.8</u>	<u>0.02</u>	<u>2771</u> <u>2699 ± 14</u>	
	<u>B.4-1</u>	<u>12:37</u>	<u>7-34</u>	<u>21</u>	<u>2500</u>	<u>48</u>	<u>0.6</u>	<u>-0.04</u>	<u>2758</u> <u>2709 ± 8</u>	
	<u>B.5-1</u>	<u>12:56</u>	<u>7-13</u>	<u>21</u>	<u>2400</u>	<u>48</u>	<u>4.5</u>	<u>-0.32</u>	<u>2765</u> <u>2691 ± 10</u>	
	<u>B.6-1</u>	<u>13:15</u>	<u>7-41</u>	<u>19</u>	<u>1200</u>	<u>25</u>	<u>0.2</u>	<u>-0.03</u>	<u>2836</u> <u>2694 ± 16</u>	
	<u>CZ.4-3</u>	<u>13:35</u>	<u>7-22</u>	<u>20</u>	<u>2100</u>	<u>252</u>	<u>0.5</u>	<u>-0.04</u>	<u>568</u> <u>622</u>	✓
	<u>B.7-1</u>	<u>13:54</u>	<u>7-03</u>	<u>20</u>	<u>2400</u>	<u>52</u>	<u>3.8</u>	<u>-0.25</u>	<u>2765</u> <u>2733 ± 11</u>	

Rejection over-ride Sample/ Std ID Time - printout UO/U 196 Kcps 206 cps U ppm <sup>204</sup>Pb ppb f<sup>206</sup> % 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	<sup>204</sup> Pb ppb	f <sup>206</sup> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	B.8-1	14:13	7.37	2-0	1900	40	4.6	-42	2665	2700 ± 11	
	B.9-1	14:33	7.06	2-1	2100	44	0.2	-02	2710	2718 ± 10	
	B.10-1	14:51	7.25	19	2200	45	0.9	-07	2884	2694 ± 10	✓
	B.11-1	15:11	7.26	21	1400	27	0.1	-008	2786	2704 ± 11	✓
	CZ.4-4	15:33	6.93	22	2100	236	0.2	<-01	581	544	✓
	B.12-1	15:52	6.97	23	3300	68	4.2	0.24	2528	2657 ± 9	8.1715 * 1.9663 *
	B.13-1	16:11	7.25	21	1900	36	2-0	-20	2805	2673 ± 11	8.1715 * 1.9998 *
	B.13-2	16:30	6.92	21	1500	29	0.8	-09	2860	2685 ± 11	8.1715 * 1.9979 *
	CZ.4-5	16:58	7.08	22	2200	243	-0.2	-	580	553	8.1715 * 1.998 *
	B.14-1	17:20	6.82	22	2300	47	5-0	-38	2677	2696 ± 10	✓
	B.15-1	17:39	6.95	22	1700	34	0.5	-05	2775	2724 ± 10	✓
	B.16-1	17:57	8.10	21	2500	66	27	2-3	1813	2678 ± 16	✓
	B.17-1	18:19	7.08	22	1700	38	8.3	-91	2380	2718 ± 15	
	CZ.4-6	19:04	7.37	14	1600	238	0.9	-02	572	563	
	CZ.4-7	19:23	7.48	14	1700	249	-0.0	-	564	538	
	B.18-1	19:44	7.00	13	1200	36	1.9	-18	2781	2720 ± 13	✓
	B.19-1	20:13	7.28	16	1700	43	0.9	-09	2701	2698 ± 11	
	B.19-2	20:32	7.05	17	1600	53	9-0	-84	2050	2691 ± 15	
	B.20-1	20:50	7.66	14	1900	49	-0.3	7.02	2690	2713 ± 13	
	B.20-2	21:14	7.27	15	1900	51	6.0	.43	2662	2705 ± 12	✓
	CZ.4-8	21:33	7.79	14	1800	262	0.2	0.02	554	543	
	B-13 CZ.2-1	22:19	7.97	13	1700	238	-0.5	-	572	550	✓
	B-13 CZ.2-2	22:37	7.78	8.5	1100	219	1.6	.09	650	570	✓
	B.1-1	23:04	7.67	9.0	1700	57	4.5	.25	3006	2766 ± 13	
	B.2-1	23:22	7.34	11	1900	55	35	1.9	3061	2729 ± 13	

MOUNT  
B-22  
↓

Abund  
analysis -  
3 minutes  
→ 70% of lead  
corrected problems  
with offsets. \*

10 dipped out  
from 11.  
this had  
lower count  
at 7.64.

From 10  
and 11  
(original peak  
3.5 mm peak)

MOUNT  
B-13  
↓  
Bad Standard →

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?
	B.3-1	23:41	7.61	12	1300	34	1.5	.14	2877		2777 ±14
	B.4-1	0:14	8.37	9.2	640	26	2.7	-0.5	2292		3065 ±205
	B.5-1	0:34	7.2	11	1600	49	1.8	-11	2982		2799 ±80
	<del>CZ.22-3</del>	<del>0:52</del>	<del>7.56</del>	<del>11</del>	<del>1400</del>	<del>235</del>	<del>0.7</del>	<del>.06</del>	<del>576</del>		<del>545</del>
	B.6-1	1:14	8.01	10	1500	46	1.4	.11	2808		2782 ±10
	B.7-1	1:33	7.61	11	1200	37	0.9	-0.8	2837		2835 ±23
	B.8-1	1:51	7.69	7.7	1700	65	3.0	-14	3023		2799 ±25
	B.9-1	2:12	7.54	9.2	1400	41	-0.7	-ve	3364		2816 ±203
	<del>CZ.22-4</del>	<del>2:31</del>	<del>7.25</del>	<del>12</del>	<del>1400</del>	<del>231</del>	<del>-0.2</del>	<del>-ve</del>	<del>596</del>		<del>609</del>
	A.1-1	2:54	7.66	9.1	1500	54	2.3	-14	2886		2824 ±158
	A.2-1	3:12	7.67	10	980	32	1.0	.11	2783		2768 ±16
	A.3-1	3:31	7.89	9.5	1400	46	7.7	.57	2814		2802 ±13
	A.4-1	3:50	7.76	11	1100	32	1.0	.11	2844		2848 ±24
	A.5-1	4:10	7.95	10	1200	37	2.7	.24	2876		2763 ±13
	<del>CZ.22-5</del>	<del>4:29</del>	<del>7.29</del>	<del>10</del>	<del>1200</del>	<del>228</del>	<del>-0.0</del>	<del>.03</del>	<del>625</del>		<del>565</del>
	A.6-1	4:49	7.70	8.9	1000	35	-0.3	-ve	3013		2799 ±136
	A.7-1	5:08	7.97	9.2	1000	37	1.1	.11	2733		2841 ±27
	A.8-1	5:31	7.74	9.8	570	19	0.7	.13	2865		2823 ±21
	A.9-1	5:49	7.69	6.3	1100	54	0.5	.03	3036		2816 ±11
	A.10-1	6:08	7.52	9.8	1500	54	11.4	.73	730		2813 ±167
	<del>CZ.1-1</del>	<del>6:27</del>	<del>7.62</del>	<del>9.7</del>	<del>1200</del>	<del>250</del>	<del>1.0</del>	<del>-0.3</del>	<del>573</del>		<del>599</del>
	<del>CZ.1-2</del>	<del>6:45</del>	<del>7.93</del>	<del>11</del>	<del>1300</del>	<del>230</del>	<del>0.9</del>	<del>.07</del>	<del>574</del>		<del>520</del>

B-13 (A)  
↓