

UWA SHRIMP DATA LOG

Date: 14-3-01 UWA Mount No.: B-12 Whose sample?: Stu B. Operator(s): S. 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: Wain volts / nA = 408 / 7.6 nA for O⁻; = 300 / 2.7 nA for O₂⁻; = 257 / 14 nA for NO⁻
 EITS

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4793
 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 = 8.1705 204-bkg = 0.045 204-206 = 1.997
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.7 nA nA Primary-CZ3 = 3.8 nA PESABM-CZ3 = 42 pA
 Raster time (mins): 1.0 Raster aperture (microns): 100 No. of scans: 6

Comments: Sample B-12

✓ A: Bolong sst (Mt Monger)

✓ B: Duketon - Famous Blue.

C: Liberty Bone

Sens = 14.7

Standards.
n = 13
1.47%

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>CZ-3-1</u>	<u>11:57</u>	<u>5.92</u>	<u>16000</u>	<u>1700</u>	<u>238</u>	<u>-0.7</u>	<u><.01</u>	<u>571</u>	<u>545</u>	<u>✓</u>
	<u>CZ-3-2</u>	<u>12:22</u>	<u>6.07</u>	<u>16</u>	<u>1900</u>	<u>245</u>	<u>-0.8</u>	<u>.03</u>	<u>581</u>	<u>567</u>	<u>✓</u>
	<u>A.1-1</u>	<u>12:40</u>	<u>5.77</u>	<u>16</u>	<u>550</u>	<u>14</u>	<u>0.3</u>	<u>.07</u>	<u>2784</u>	<u>2703 ± 32</u>	
	<u>A.2-1</u>	<u>12:59</u>	<u>5.74</u>	<u>17</u>	<u>1200</u>	<u>28</u>	<u>-0.4</u>	<u>.05</u>	<u>2816</u>	<u>2728 ± 14</u>	
	<u>CZ-3-3</u>	<u>13:19</u>	<u>5.71</u>	<u>18</u>	<u>1800</u>	<u>235</u>	<u>-0.2</u>	<u>.03</u>	<u>274</u>	<u>543</u>	<u>✓</u>
	<u>A.3-1</u>	<u>13:38</u>	<u>5.32</u>	<u>16</u>	<u>2200</u>	<u>61</u>	<u>-1.0</u>	<u>-0.6</u>	<u>2816</u>	<u>2707 ± 60</u>	
	<u>A.4-1</u>	<u>13:57</u>	<u>5.57</u>	<u>17</u>	<u>520</u>	<u>13</u>	<u>-0.3</u>	<u>.07</u>	<u>2938</u>	<u>2722 ± 20</u>	
	<u>A.5-1</u>	<u>14:16</u>	<u>5.77</u>	<u>17</u>	<u>820</u>	<u>19</u>	<u>0.4</u>	<u>.07</u>	<u>2725</u>	<u>2721 ± 15</u>	

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>CZ.3-4</u>	<u>14:34</u>	<u>5.67</u>	<u>17</u>	<u>1700</u>	<u>236</u>	<u>1.9</u>	<u>.01</u>	<u>590</u>	<u>531</u>	✓
2680 →	A.6-1	14:52	5.84	17	920	22	-0.2	-0.4	2755	2680 ±20	
	A.7-1	15:11	5.84	17	834	19	-0.5	-0.1	2767	2718 ±18	
	A.8-1	15:29	5.73	17	1100	27	0.2	.03	2792	2719 ±18	
	A.9-1	15:48	5.44	19	940	21	0.4	.06	2823	2713 ±17	
	<u>CZ.3-5</u>	<u>16:10</u>	<u>5.45</u>	<u>19</u>	<u>1700</u>	<u>221</u>	<u>-0.7</u>	<u>.05</u>	<u>577</u>	<u>542</u>	✓
	A.10-1	16:31	5.67	17	1100	28	-0.8	-.1	2715	2702 ±16	
Aborted 11-2 because 1° dropped out. (twice) →	A.11-1	16:50	5.92	16	1100	26	-0.0	-.01	2807	2687 ±11	
	A.12-1	17:58	5.78	17	1100	27	2.2	.30	2771	2710 ±14	
	<u>CZ.3-6</u>	<u>18:17</u>	<u>5.311</u>	<u>18</u>	<u>1600</u>	<u>227</u>	<u>-1.5</u>	<u>-.004</u>	<u>590</u>	<u>581</u>	✓
	A.13-1	18:46	5.70	17	1300	32	1.6	.01	2731	2711 ±15	
	A.14-1	19:05	5.69	17	2600	64	0.8	-.05	2773	2694 ±9	
	A.15-1	19:25	5.64	17	1200	29	-1.3	-0.15	2774	2715 ±15	
	A.16-1	19:43	4.022	11	600	40	-0.0	<.01	2509	2690 ±40	
	A.17-1	20:02	6.00	17	1800	41	-0.0	<.01	2745	2706 ±9	
	<u>CZ.3-7</u>	<u>20:20</u>	<u>5.66</u>	<u>17</u>	<u>1700</u>	<u>241</u>	<u>-0.8</u>	<u>-.06</u>	<u>579</u>	<u>591</u>	✓
	A.18-1	20:40	5.62	17	500	12	0.4	0.1	2827	2709 ±30	
	A.19-1	20:57	5.64	17	1100	26	-0.1	-0.01	2787	2696 ±11	
Called "20-1" on file. →	<u>A.20-2</u>	<u>21:15</u>	<u>5.56</u>	<u>17</u>	<u>930</u>	<u>23</u>	<u>1.0</u>	<u>-.16</u>	<u>2747</u>	<u>2680 ±20</u>	
	A.21-1	21:33	5.67	17	980	24	-0.0	0.0	2775	2697 ±15	
	<u>CZ.3-8</u>	<u>21:55</u>	<u>5.43</u>	<u>17</u>	<u>1600</u>	<u>224</u>	<u>-0.2</u>	<u>-0.01</u>	<u>585</u>	<u>594</u>	
	A.22-1	22:21	5.57	17	1600	38	0.3	-.03	2854	2716 ±17	
	A.23-1	22:41	5.46	17	1500	38	4.9	-.45	2748	2677 ±22	
	A.24-1	23:00	5.76	17	1800	45	0.5	-.04	2741	2704 ±11	
	<u>CZ.3-9</u>	<u>23:18</u>	<u>5.55</u>	<u>16</u>	<u>1600</u>	<u>233</u>	<u>-2.2</u>	<u>-.03</u>	<u>579</u>	<u>582</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?
	B.1-1	23:40	5.54	18	1400	32	0.0	0.0	2868	2820 ± 11	
	B.2-1	23:59	5.61	17	3500	81	2.0	.08	2868	2801 ± 9	✓
	B.3-1	00:18	5.87	16	1200	28	0.2	.02	2841	2801 ± 13	
	B.4-1	0:37	6.12	15	1800	42	-0.1	-0.01	2919	2809 ± 9	
	B.4-2	0:55	5.61	16	1500	36	0.6	.06	2995	2818 ± 13	
	C2.3-10	1:16	5.68	16	1600	235	-0.4	.02	588	553	✓
	B.5-1	1:33	5.76	17	1600	36	0.7	.06	2814	2812 ± 10	
	B.6-1	1:53	5.71	16	1800	43	1.9	.15	2866	2808 ± 13	
	B.7-1	2:10	5.84	16	2100	49	0.4	.03	2820	2818 ± 16	✓
	B.8-1	2:29	5.76	17	3100	73	1.5	.07	2724	2798 ± 8	✓
	B.9-1										
	C2.3-11	3:09	5.81	18	2000	241	-0.7	.01	593	519	
	B.10-1	3:27	5.53	20	3000	61	0.5	.03	2900	2798 ± 9	
	B.11-1	3:46	5.66	19	2800	57	0.5	0.03	2904	2794 ± 8	✓
	B.12-1	4:05	5.74	20	3000	58	-1.1	-0.06	2888	2811 ± 7	
	B.12-2	4:23	5.41	22	3000	57	-0.1	<-0.01	2891	2807 ± 6	
	B.13-1	4:41	5.62	21	2900	56	-0.7	-.04	2880	2801 ± 9	
	C2.3-12	5:01	5.84	20	2000	230	-1.4	0.01	583	576	
	B.1-2	5:48	5.78	19	2300	45	-0.5	-.03	2868	1592 ± 95	X
	C2.3-13	6:10	5.43	21	1900	215	-0.2	.02	580	590	
	B.7-1	6:28	5.69	19	2800	59	-0.4	-.02	2880	2823 ± 7	
	B.14-1	6:48	5.40	23	2500	52	3.7	.27	2601	2777 ± 10	

May not have written to file. →

Problems with 20 marked analyses. →

Offsets for 207, 208 out →

ditto? →

* Offsets slightly out 196-204 - 206-204

