

UWA SHRIMP DATA LOG

Date: 24/12/00 UWA Mount No.: A-57 Whose sample?: SS Operator(s): McN & SS

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	270
Precambrian	Count time (secs):	2	10	10	20 <u>10</u>	30 <u>10</u>	10	5	5	2
<input checked="" type="checkbox"/> Phanerozoic*	Delay time (secs):	8	3	1	10 <u>2</u>	30 <u>1</u>	1	3	2	2

Steel: Wein volts / nA = 98V/12.0 for O⁻; = 70V/5.4 for O₂⁻; = 58V/6.2 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5336
 aperture = 100 microns retardation lens = 0 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 = 8.167 204-bkg = 0.045 204-206 =
 206-207 = 1.000 206-208 = 1.999

Primary-epoxy = 3.2 nA Primary-CZ3 = 4.0 nA PESABM-CZ3 = 37 pA

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments:

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>SI 1-1</u>	<u>10:17</u>	<u>6.56</u>	<u>18.8</u>	<u>1406</u>	<u>220</u>	<u>-0.5</u>	<u>-</u>	<u>572 ± 1</u>	<u>568 ± 32</u>	<input checked="" type="checkbox"/>
	<u>SI 1-2</u>	<u>10:41</u>	<u>6.62</u>	<u>18.7</u>	<u>1469</u>	<u>218</u>	<u>1.0</u>	<u>-09</u>	<u>587 ± 1</u>	<u>531 ± 37</u>	<input checked="" type="checkbox"/>
	<u>U 1-1</u>	<u>11:01</u>	<u>6.77</u>	<u>15.5</u>	<u>1915</u>	<u>357</u>	<u>1.7</u>	<u>-00</u>	<u>533 ± 1</u>	<u>493 ± 35</u>	<input checked="" type="checkbox"/>
	<u>U 1-2</u>	<u>11:20</u>	<u>6.72</u>	<u>18.5</u>	<u>932</u>	<u>153</u>	<u>0.3</u>	<u>-04</u>	<u>516 ± 1</u>	<u>494 ± 42</u>	<input checked="" type="checkbox"/>
	<u>SI 1-3</u>	<u>11:39</u>	<u>6.93</u>	<u>19.4</u>	<u>1590</u>	<u>204</u>	<u>0.7</u>	<u>-07</u>	<u>575 ± 1</u>	<u>520 ± 34</u>	<input checked="" type="checkbox"/>
	<u>U 1-3</u>	<u>11:57</u>	<u>6.33</u>	<u>17.8</u>	<u>234</u>	<u>50</u>	<u>1.3</u>	<u>0.57</u>	<u>494 ± 2</u>	<u>205 ± 155</u>	<input checked="" type="checkbox"/>
	<u>U 1-4</u>	<u>12:14</u>	<u>6.64</u>	<u>18.1</u>	<u>366</u>	<u>71</u>	<u>0.5</u>	<u>0.14</u>	<u>461 ± 2</u>	<u>0</u>	<input checked="" type="checkbox"/>
	<u>U 2-1</u>	<u>12:33</u>	<u>6.68</u>	<u>18.7</u>	<u>4103</u>	<u>714</u>	<u>0.0</u>	<u>0.0</u>	<u>494</u>	<u>467</u>	<input checked="" type="checkbox"/>

*7 Standard.
 default 4.21
 Actual 4.08
 1.62*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	U 3-1	12:52	6.98	17.7	9654	1501	0.7	0.00	512	808	✓
	SI 1-4	13:10	6.52	20.1	1358	213	0.0	0.00	548±1	544	✓
	UB1-1	13:30	6.74	19.4	822	138	-0.4	-0.07	482	419	✓
	UB1-2	13:48	6.13	10.6	557	132	-0.3	-0.05	476	475	✓
	UB2-1	14:07	7.36	16.1	2129	326	1.0	0.06	491	535	✓
	UB3-1	14:27	7.24	16.2	2643	406	-0.3	-0.01	510	454	✓
	SI 1-5	14:45	6.99	19.8	1508	192	-0.2	-0.02	554	507	✓
Core	VD7-1	15:12	6.33	19.0	4451	950	0.4	0.01	466	542	✓
Skeleton	UD1-2	15:30	7.65	15.2	10141	2169	1.6	0.02	338	709	✓
Rim	UD3-1	15:50	6.69	19.3	1850	316	1.2	0.09	485	447	✓
Skeleton	UD3-2	16:07	6.64	17.2	5937	1630	0.5	0.04	338	441	✓
	SI 1-6	16:28	6.55	17.6	1378	243	0.6	0.05	545	594	✓
Rim	UD4-1	16:49	6.62	10.3	53	73	-0.6	-1.13	67.1	0	✓
Skeleton Core	UD4-2	17:06	6.83	18.9	3364	798	2.2	0.09	338	413	✓
Rim	UD4-3	17:24	6.65	16.1	629	226	-0.4	-0.07	286	568	✓
Rim	UD5-1	17:42	6.54	19.3	1454	251	-0.5	-0.04	513	247	✓
	SI 1-7	18:00	6.68	20.1	1471	216	-1.1	-0.01	541	499	✓
Clear	VD7-1	18:18	6.59	19.9	501	94	1.5	0.41	446	232	✓
Rim	UD8-1	18:36	6.08	18.9	480	114	0.9	0.17	479	465	✓
Core	UD8-2	18:53	5.76	17.1	1440	528	-0.5	-0.02	414	541	✓
Rim	UD9-1	19:12	6.93	19.4	726	106	-0.2	-0.05	508	457	✓
	SI 1-1	19:44	6.45	20.0	1392	220	0.8	—	572±1	443±46	✓
	SI 1-2	20:01	6.52	17.9	1390	242	0.5	0.04	560±1	553±36	✓
Core	U 1-1	20:21	6.90	18.5	752	86	2.6	0.47	690	615	✓
Core	U 2-1	20:39	6.48	18.5	3127	372	1.6	-0.06	794	957	✓

Mount A-56