

### UWA SHRIMP DATA LOG

Date: 28/7/00      UWA Mount No. A-39      Whose sample? *John Galvin D.*      Operator(s) IF + BS

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 /

*Recin*  
 Steel: Wein volts / nA = 74/17 for O<sup>-</sup>; = 48/2.9 for O<sub>2</sub><sup>-</sup>; = 38/12.2 for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 4875

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 = 8.170      204-bkg = 0.045      204-206 = 2.000

206-207 = 1.000      206-208 = 2.000

Primary-epoxy = 2.9 nA      Primary-CZ3 = 3.9 nA      PESABM-CZ3 = 52 pA

Raster time (mins): 2      Raster aperture (microns): 100      No. of scans: 5

Comments: Spot has a weak tail. There is likely to be (v. minor) common Pb in data.

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?
	CZ-1-1	11:32	6.43	20.6	2022	-	1.5	.13	-	495	✓
	CZ-1-2	11:49	6.26	20.5	2026	240	2.4	.49	575	523	✓
	A-1-1	12:07	6.64	19.7	1500	43	1.6	.17	1844	1789	✓
	A-2-1	12:24	6.14	19.4	1025	39	0.2	.03	1839	1862	✓
	A-3-1	12:45	6.96	20.857	512.9	15	0.6	0.17	2027	2071	✓
	A4-1	12:59	6.13	21.0	3533	77.8	-ve	-ve	2706	2660	✓
	CZ-1-3	13:28	6.33	20.7	1980	229.9	0.3	.02	560	611	✓
	A5-1	13:47	5.98	19.7	2061	56.1	-ve	-ve	2582	2638	✓

1/100  
1/120

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?
	A6-1	14:10	6.41	20.7	5574	347	-ve	-ve	2280	2248	✓
	A7-1	14:27	6.20	21.55	7435	185	2.6	0.05	2321	2468	✓
	A8-1	14:46	6.03	20.65	3111	78.8	0.6	0.02	2571	2672	✓
A9-1	<del>CZ.2-1</del>	15:05	6.20	20.24	2990	69.1	2.1	0.08	2609	2648	✓
	CZ.2-1	15:25	6.50	19.79	2135	229	0.7	0.05	584	566	✓
	A.10-1	15:44	6.34	20.60	6061	126	0.9	0.02	2652	2647	✓
	A.11-1	16:04	6.38	20.01	1142	33.7	1.1	0.13	1990	2012	✓
	A.12-1	16:18	6.46	21.38	8171	288.2	13.7	0.27	1549	1795	✓
	A.13-1	16:36	6.17	20.32	627	13.6	0.7	0.14	2774	2645	✓
	A14-1	17:00	6.34	19.72	10482	550	34.4	0.47	1230	1643	✓
	CZ.2-2	17:18	6.35	20.60	2120	235	2.6	0.20	584	538	✓
	A15-1	17:36	6.24	20.39	2318	50.4	1.3	0.07	2684	2668	✓
	A16-1	17:54	6.31	20.12	4387	150	0.5	0.02	1789	1785	✓
	A17-1	18:10	6.17	22.50	7431	194	1.4	0.03	2183	2191	✓
	A18-1	18:31	6.47	19.96	2398	47.6	1.4	0.05	2681	2666	✓
	A19-1	18:50	6.32	20.30	3525	72.9	1.6	0.06	2711	2651	✓
	CZ.2-3	19:08	6.31	20.31	2092	235	-ve	-ve	594	524	✓
	A.20-1	19:26	6.28	20.81	417	13.7	2.0	0.68	1826	1756	✓
	A.21-1	19:44	6.28	21.75	1528	49.1	0.6	0.06	1794	1872	✓
	A.22-1	20:02	6.35	20.5	1785	36.3	0.5	0.03	2694	2686	✓
	A.23-1	20:20	5.93	18.62	1572	73.4	1.4	0.10	1747	1739	✓
	A.24-1	20:38	6.26	20.28	4963	145	1.4	0.04	2085	2052	✓
	CZ.2-4	20:56	6.32	20.28	1992	235	-ve	-ve	568	640	✓
	A25.1	21:13	6.28	20.49	2105	66.7	1.1	0.07	1914	1881	✓
	A26.1	21:31	6.38	19.90	3967	119.2	1.8	0.06	1971	1931	✓

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?
	A27.1	9:49	6.75	21.21	6751	133.1	2.7	0.07	2300	2597	✓
<i>&gt;rejections</i>	A28.1	10:06	6.35	15.33	1762	70.4	2.7	0.17	1954	1792	✓
<i>(low 10) →</i>	A29.1	10:34	6.57	24.05	6608	214.6	1.7	0.05	1435	1616	✓
	C22-5	10:54	6.79	18.03	2126	214.8	1.1	0.09	596	582	✓
	A30-1	11:14	6.60	19.13	2468	75.2	1.5	0.06	1834	1815	✓
	A31-1	11:36	5.84	19.91	2343	128.3	3.5	0.15	1501	2014	✓
	A32-1	11:50	6.81	19.19	5825	167.1	4.2	0.12	1786	1705	✓
<i>Scan 1</i>	A33-1	12:06	6.40	19.83	3947	134.0	10.9	0.40	1763	1777	✓
	A34-1	12:19	6.59	20.85	717	19.6	1.0	0.24	1886	1921	✓
	C22-6	12:41	6.09	21.28	2037	242.7	1.1	0.08	600	566	✓
<i>v. non lin</i>	A.35-1	12:59	6.22	21.06	2561	85.3	0.7	0.04	1840	1865	✓
	A.36-1	1:16	6.31	20.07	3185	103.8	1.5	0.06	1873	1859	✓
	A.37-1	1:34 am	6.42	20.34	1481	42.3	0.6	0.06	1980	2012	✓
	A.38-1	1:52	6.55	22.31	1880	66.5	10.4	0.89	1436	2510	✓
	A.39-1	2:10	6.25	20.43	7397	194	0.2	0.00	2277	2295	✓
	C2.2-7	2:28	6.48	19.77	2161	231.2	0.5	0.04	592	551	✓
	A.40-1	2:46	6.30	20.14	1848	38.9	0.2	0.01	2718	2613	✓
	A.41-1	3:02 am	6.37	19.92	3118	88.5	0.8	0.04	2072	2011	✓
	A.42-1	3:20	6.36	19.68	1238	40.2	0.1	0.02	1876.9	1876	✓
	A.43-1	3:36	6.19	20.53	2211	78.4	3.7	0.22	1801	1786	✓
	A.44-1	3:54	6.27	19.78 47	1398 47	41.7	-ve	-ve	2083	2090	✓
	C2.31	4:12	6.20	20.57	1961	239.6	0.6	0.05	5723	5528	✓
	A.45-1	4:30	6.16	20.15	1767	40.8	0.6	0.04	2667	2674	✓
<i>extreme non lin</i>	A.46-1	4:48	6.96	19.67	10259	257	4.4	0.08	1852	1602	✓
	A.47-1	5:04	6.37	21.47	7982	258	2.7	0.05	1732	1798	✓

