

UWA SHRIMP DATA LOG

Date: **8/18/00** UWA Mount No.: **A-27** Whose sample?: **Sandeep** Operator(s): **Stu + SS**

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: Wein volts / nA = **66/15** for O⁻; = **44/3.4** for O₂⁻; = **34/13** for NO⁻

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

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 = **8.1699** 204-bkg = **0.0453** 204-206 = **1.998**

206-207 = **1.000** 206-208 = **2.000**

Primary-epoxy = **3.0** nA Primary-CZ3 = **4.1** nA PESABM-CZ3 = **52** pA

Raster time (mins): **2 min** Raster aperture (microns): **120** No. of scans: ~~2~~ **6**

Comments:

Sensitivity 1495 ± 15

n = 11
error = 1.51%

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?
	CZ2-1	10:45	5.77	20.7	1921	220	-1.8	-15	572.1	509.5	✓
	CZ2-2	11:10	5.83	21.9	2080	211.8	0.3	-02	581.2	560.1	✓
	A5.1	11:36	6.12	22.1	3151	77.1	0.7	-04	1852.7	1885.7	✓
	A6.1	12:22	6.00	19.9	7611	282.1	-0.6	.01	1488	1881.0	✓
	A68.1	12:47	5.92	21.1	2014	58.5	-0.2	.02	1827.0	1869.7	✓
	A8.1	13:09	5.66	20.2	3561	150.1	0.4	.02	1569.9	1854.6	✓
	CZ2-3	13:34	6.08	20.6	2183	201.2	1.2	.10	595.3	546.4	✓
	A14.1	13:57	6.29	20.2	4200	103.7	-0.2	.00	1885.7	1900.2	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Offsets OK?
	A-31.1	14:22	6.02	20.8	3316	90.5	0.1	.00	1069.9	1057.3	✓
	A 29.1	14:43	5.97	21.3	4965	1435	2.1	.07	1703.4	1075.2	✓
	A40.1	15:11	6.09	21.0	4770	132.1	1.6	.06	1764.4	1798.0	✓
	CZ2.4	15:33	5.95	21.6	2111.6	206.3	0.9	.08	577.3	509.7	✓
	B14.1	16:01	6.15	20.1	2901	101.0	1.7	.11	875.0	810.6	✓
	B4.1	16:24	5.72	19.6	7108	423.2	1.7	.03	1141.3	1361.7	✓
	B4.2	16:45	6.05	19.9	3461	226.5	0.2	.01	866.0	838.8	✓
	B7.1	17:07	6.22	19.0	3860	235	0.3	.01	890.9	825.3	✓
	B6.1	17:28	5.97	20.2	2327	151.7	1.2	.09	894.6	813.6	✓
	CZ2.5	17:50	5.81	22.1	2092	214.8	0.4	.04	583.2	558.8	✓
	B.6.2	18:13	3.58	13.6	8953.2	1945.3	102.6	.09	1104.8	780.9	✓
	B 8.1	18:34	5.85	20.3	4166	241.8	0.4	.02	1053.4	1056.3	✓
	B 8.2	18:55	6.34	18.7	2800	170.6	0.1	.00	853.2	835.0	✓
	B 15.1	19:22	5.98	19.6	6159	342.7	2.0	.05	1058.4	1129.4	✓
	B15.2	19:43	6.05	18.8	2997	207	-1.5	.08	868.8	831.7	✓
	CZ2.6	20:05	5.50	21.2	1937	244.5	1.3	.09	597.8	524.7	✓
	B16.1	20:27	5.96	21.0	6365	384.5	1.9	.05	1001.4	1379.8	✓
	B16.2	20:48	5.98	16.8	4597	370.7	0.3	.00	847.4	838.3	✓
	B17.1	21:10	5.85	19.5	1391.6	135.9	0.2	.01	671.5	1126.1	✓
	B17.2	21:32	5.78	18.5	2849	231.2	-0.4	.02	876.9	845.7	✓
	B18.1	21:54	6.09	19.5	3948	249.9	-0.7	.03	888.3	808.1	✓
	CZ2.7	22:16	5.94	20.5	2059	211.5	0.8	.07	582.1	551.4	✓
	B19.1	22:46	5.82	19.6	3645	270.5	-0.7	.03	884.4	875.6	✓
	B20.1	23:42	6.32	18.7	7505	337.9	0.4	.01	1138.2	1445.0	✓
	B21.1	00:04	5.16	13.2	5598	818.9	5.6	.07	1030.2	1063.0	✓

half for
epoxy over
grain

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Offsets OK?
									206/238	207/206	
	B21.2	60:24	5.01	19.01	4545	350.1	0.8	.03	803.7	820.1	✓
	B22.1	00:45	6.14	20.2	2283	140.9	-0.1	.01	863.2	836.5	✓
	CZ2.8	1:08	5.98	20.7	2144	210	0.4	.03	592.0	573.1	✓
	B23.1	1:29	6.12	20.5	2605	87.7	0.0	.00	1538.1	1521.9	✓
	B23.2	1:50	6.01	19.4	6127	414.0	-0.3	.00	879.2	834.9	✓
	C9.1	2:16	6.30	20.2	16632	384.2	2.6	.03	1947.2	1801.6	✓
	C9.2	2:37	6.03	20.5	20675	536.7	-0.5	.00	1960.8	1860.6	✓
	C10.1	2:58	5.85	20.5	9687	288.2	22.5	.35	1895.3	1844.6	✓
	CZ4.1	3:23	6.31	20.3	2290	142.5	0.2	.02	590.4	544.5	✓
	C11.1	3:44	5.00	21.2	10800	338	1.1	.02	1810.5	1833.4	✓
	C12.1	4:06	5.96	20.9	26006	694	0.2	.00	1955.9	1862.6	✓
	C13.1	4:27	5.97	21.0	5367	141.8	1.0	.03	1943.7	1863.8	✓
	C13.2	4:48	6.22	20.9	15200	376	11.7	.14	1846.0	1865.0	✓
	C14.1	5:09	6.62	20.2	30975	640	0.1	.00	1877.2	1842.8	✓
	CZ4.2	5:33	6.48	19.3	2300	186.4	0.2	.02	593.6	580.2	✓
	C1.1	5:58	6.22	20.3	28389	685	-0.3	.00	1932.2	1874.5	✓
	C15.1	6:18	6.16	20.8	25252	601	8.9	.06	1969.5	1868.1	✓
	C15.2	6:39	5.91	20.4	17200	432	0.5	.00	1968.1	1864.5	✓
	C16.1	7:10	5.83	20.6	22285	664	9.2	.06	1920.5	1873.1	✓
	CZ4.3	7:21	6.03	21.0	2112	202	-0.2	.02	581.1	532.4	✓
	C3.1	7:44	6.25	19.8	31525	741	743.1	4.25	1919.8	1808.7	✓
	C17.1	8:06	6.19	20.5	16823	415	2.8	.03	1904.4	1858.1	✓
	C18.1	8:28	6.22	20.5	21873	520	0.9	.00	1935.1	1858.1	