

UWA SHRIMP DATA LOG

Date: 5-6/10/99 UWA Mount No.: 99-45 Whose sample?: Tim EVANS Operator(s): NMcn / AP

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 = 66V/17.0 for O<sup>-</sup>; = 42V/3.3 for O<sub>2</sub><sup>-</sup>; = 34V/5.5 for NO<sup>-</sup>

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4980

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 = 3.0 nA Primary-CZ3 = 4.0 nA PESABM-CZ3 = 44 pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: F = TRE 036 (~1230 ± 34) - 1 avail grain NB much of it has been pitted away.  
 E = TRE 014 (~1205 ± 16) - 8 avail grain (5 already SHRIMPed)  
 C = TRE 022 (~1179 ± 37) -  
 B = TRE 029 (~1207 ± 22)

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?

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?
	S1 1-1	20:48	6.95	15.7	2145	220	0.4	.04	572 ± 1	516 ± 22	✓
	S1 1-2	21:05	6.99	15.1	2003	220	0.7	.04	545 ± 1	571 ± 17	✓
[F] i <sup>o</sup> = 3.9nA - 3.7nA	E. 12-2	21:27	7.04	14.1	2103	230	we	-	574 ± 1	576 ± 16	✓
[E] i <sup>o</sup> = 3.8nA stable	E. 22-2	21:47	7.15	14.0	1015	50	0.5	.08	1188 ± 5	1244 ± 38	✓
[E] i <sup>o</sup> = 3.7nA	E. 9-2	22:05	7.37	13.2	5474	246	2.5	.08	1242 ± 2	1196 ± 10	✓
	E. 10-2	22:23	7.45	12.9	12.3K	539	4.1	.06	1269 ± 1	1203 ± 6	✓
i <sup>o</sup> = 4.0nA	S1 4-1	22:41	7.04	14.8	2062	222	0.7	.06	559 ± 1	549 ± 22	
	E. 5-2	23:05	7.19	14.3	5205	236	1.2	.04	1227 ± 2	1212 ± 9	✓

please change from S-1 to S-2

i<sup>o</sup> dropped 1/2 way to 3.6nA

[F] i<sup>o</sup> = 3.9nA - 3.7nA

[E] i<sup>o</sup> = 3.8nA stable

[E] i<sup>o</sup> = 3.7nA

i<sup>o</sup> = 4.0nA

delete

Mount/sample No: 99-45

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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?
	Scout										
	E. 2-2	23:22	6.88	14.0	9282	457	28.7	.46	1294 $\pm$ 2	1236 $\pm$ 10	✓
	E. 12-1	23:45	7.58	14.0	13.9K	539	0.2	.003	1260 $\pm$ 1	1216 $\pm$ 5	✓
	SL 4-2	24:04	7.01	14.8	2079	221	0.9	.08	571 $\pm$ 1	531 $\pm$ 27	✓
	E. 7-2	24:23	7.33	14.9	6286	268	2.0	.06	1246 $\pm$ 9	1187 $\pm$ 2	✓
	E. 7-3	24:40	7.06	10.6	2999	211	17.1	.70	1123 $\pm$ 2	1217 $\pm$ 20	✓
	C. 14-1	24:59	7.16	14.8	673	30	0.6	.15	1227 $\pm$ 6	1181 $\pm$ 45	✓
	SL 4-3	1:17	7.10	15.1	2131	218	4.4	.34	561 $\pm$ 1	577 $\pm$ 18	✓
	C. 16-1	1:34	6.76	14.9	1074	55	0.8	.11	1245 $\pm$ 4	1236 $\pm$ 23	✓
	C. 15-1	1:53	6.99	14.2	288	15	1.2	.66	1181 $\pm$ 10	1113 $\pm$ 125	✓
	C. 17-1	2:12	7.10	14.7	1397	65	ve	-	1199 $\pm$ 4	1197 $\pm$ 16	✓
	C. 18-1	2:29	7.22	15.3	951	40	0.1	.02	1205 $\pm$ 5	1233 $\pm$ 24	✓
	SL 4-4	2:47	7.12	15.0	2118	218	0.9	.08	555 $\pm$ 1	592 $\pm$ 23	✓
	C. 19-1	3:05	7.02	14.8	1674	76	0.6	.07	1258 $\pm$ 4	1220 $\pm$ 17	✓
	C. 20-1	3:24	6.21	14.7	583	40	2.2	.43	1221 $\pm$ 6	1216 $\pm$ 53	✓
	C. 21-1	3:53	6.48	14.9	1567	87	1.7	.14	1296 $\pm$ 4	1168 $\pm$ 21	✓
	C. 22-1	4:10	7:07	15.1	841	38	0.9	.19	1228 $\pm$ 5	1165 $\pm$ 27	✓
	C. 23-1	4:27	6.56	14.8	890	51	1.8	.28	1222 $\pm$ 5	1243 $\pm$ 36	✓
	SL 4-5	4:45	7.06	15.3	2156	220	1.2	.11	565 $\pm$ 1	468 $\pm$ 26	✓
	C. 24-1	5:05	7.21	15.0	1842	80	0.0	.003	1204	1218	✓
	C. 25-1	5:22	7.02	15.3	950	43	1.1	.20	1225 $\pm$ 5	1193 $\pm$ 30	✓
	C. 2-1	5:40	7.01	15.3	952	44	0.7	.13	1219 $\pm$ 5	1209 $\pm$ 25	✓
	C. 26-1	5:57	7.08	15.2	956	43	0.5	.09	1218 $\pm$ 5	1227 $\pm$ 32	✓
	C. 27-1	6:13	7.09	14.3	877	42	ve	-	1194 $\pm$ 5	1203 $\pm$ 20	✓
	SL 4-6	6:31	7.04	15.5	2171	218	0.0	-	570 $\pm$ 1	547 $\pm$ 16	✓
	B. 11-2	6:48	6.63	15.2	1837	98	3.1	.24	1237 $\pm$ 3	1223 $\pm$ 21	✓

E

E

C 15 analysis.

B



