UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
8/10/02	C48 C33	SB / AMIRA	SB / Matt G

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 = 352 / 13 for O^-; = 239 / 2.5 for O_2^-; = 193 / 12.5 for NO^-

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 5290

aperture = 70 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 = 8.170 204-bkg = 0.045 204-206 = 2.0019

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.2 nA Primary-CZ3= 3.0 nA PESABM-CZ3 = 48 pA

Raster time (mins): 1.5 Raster aperture (microns): 70 No. of scans: ~~6~~ 7

Comments: * Brightness aperture in.

C48A : E400 15 concordant analyses

C48C : E408 20+ " "

if time, do

* = Calibration Std.

Analysis time = 16m 40s.
Sens = 17.6
Res = 5290
11 Standards
1.45 %
Slope = 2.0

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	CZ. 1-3*	11:28	4.66	15.5	866	551	-1.7	-06	572	599	✓
	CZ 1-4	11:51	4.15	10.7	521	599	5.7	.21	534	405	
	E400-1-2	12:18	4.05	12.8	786	138	1.3	.04	2569	2659±13	
	E400.3-2	12:44	5.61	21.9	2342	141	0.4	.01	2784	2675±9	✓
	E400.10-1	13:07	5.66	21.7	~~2165~~ 1640	96	-0.2	0.0	2856	2677±9	
	E400.10-2	13:27	5.51	22.4	1290	78	-0.3	-ve	2763	2669±9	✓
	CZ. 1-5*	13:50	5.73	20.4	1654	551	-1.8	-ve	572	643	
	CZ. 1-6	14:10	5.58	22.6	1664	523	-0.6	-ve	566	506	

Discard first 2 standards + E400.1-2

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	E400.10-3	14:33	5.89	19.7	1107	63	0.7	.04	2777	2667±13	✓
	E400.6-2	14:57	5.68	21.2	1095	62	0.3	.01	2767	2699±11	
	E400.12-1	15:20	5.81	21.9	2393	131	0.7	.02	2670	2657±9	✓
	E400.12-2	15:42	5.84	21.6	1493	80	1.3	.06	2749	2673±11	✓
	E400.12-3	16:04	5.67	21.1	642	36	0.4	.04	2799	2665±19	✓
	CZ.1-7	16:29	5.62	22.0	1633	527	-ve	-	564±4	597±19	✓
core	E400.11-1	16:52	5.73	22.3	1272	69	9.6	.50	2681±59	2670±14	✓
rim	E400.11-2	17:13	5.59	21.1	1294	77	2.7	.13	2680±26	2663±11	✓
	E400.13-1	17:39	5.62	21.7	1419	80	0.0	.00	2737±32	2713±9	✓
	E400.13-2	18:01	5.52	23.4	2366	129	-1.0	-.03	2690±19	2674±7	✓
	E400.16-1	18:22	4.78	17.3	741	68	2.7	.15	2628±32	2664±16	✓
	CZ.2-1	18:43	5.74	21.6	1651	523	2.5	.10	567±3	565±24	✓
	E400.16-2	19:04	5.22	18.0	1224	94	1.4	.05	2693±27	2676±12	✓
	E400.20-1	19:26	5.71	21.8	1868	106	0.5	.02	2653±22	2670±9	✓
	E400.20-2	19:49	5.74	20.5	2606	167	1.7	.04	2519±23	2582±9	✓
	E400.21-1	20:09	5.45	21.2	1091	59	2.1	.12	2822±35	2699±13	✓
	CZ.2-2	20:31	5.62	21.8	1640	533	2.4	.09	563±3	551±24	✓
	E408.1-1	20:54	5.97	19.7	1857	106	1.5	.05	2734±162	2678±41	✓
	E408.1-2	21:14	5.60	22.3	2683	150	4.0	.10	2703±20	2679±9	✓
	E408.2-1	21:35	5.70	22.3	3380	183	27.8	.54	2714±20	2669±9	✓
	E408.3-1	21:56	5.50	22.9	1401	78	0.9	.04	2718±31	2654±11	✓
	E408.4-1	22:17	5.73	21.8	1417	78	1.7	.08	2720±25	2683±11	✓
	CZ.2-3	22:38	5.51	22.7	1643	531	0.4	.02	559±3	555±21	✓
	E408.5-1	22:59	5.75	21.6	2284	130	1.7	.05	2693±20	2670±9	✓
	E408.5-2	23:19	5.80	20.9	3069	173	2.5	.05	2717±21	2678±7	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	E408.6-1	23:40	5.77	21.1	1896	95	-ve	.00	3004±28	2913 ±7	✓
	E408.8-1	00:01	5.82	22.0	2589	142	2.6	.07	2659±25	2674±8	✓
	E408.8-2	00:22	5.51	22.5	1569	88	2.8	.11	2729±29	2675±11	✓
	CZ.2-4	00:43	5.52	23.1	1643	524	-ve	-	555±4	553±17	✓
	E408.9-1	01:04	5.56	22.6	2931	159	5.5	.12	2758±20	2689±8	✓
	E408.11-1	01:25	5.69	23.4	2962	161	7.0	.16	2616±20	2663±9	✓
	E408.11-2	01:45	5.98	22.7	7007	395	12.7	.13	2459±27	2409±22	✓
	E408.13-1	02:07	5.79	22.4	2942	155	1.6	.04	2723±20	2654±7	✓
	E408.14-1	02:27	5.86	21.0	1926	105	8.4	.28	2751±27	2670±12	✓
	CZ.2-5	02:48	5.31	23.8	1590	512	0.4	.02	562±6	546±36	✓
Scans 182	E408.14-2	03:08	5.94	22.8	2820	148	3.7	.09	2611±61	2679±26	✓
	E408.15-1	03:29	5.55	24.8	3281	166	24.7	.53	2713±54	2707±40	✓
	E408.16-1	03:49	5.85	23.9	1836	88	2.3	.09	2769±25	2711±10	✓
	E408.17-1	04:10	5.59	25.9	4139	195	3.2	.06	2753±15	2664±7	✓
	E408.17-2	04:30	5.73	24.9	1693	81	2.1	.09	2731±23	2674±12	✓
	CZ.2-6	04:50	5.59	24.1	1787	515	2.0	.08	577±3	570±25	✓
	E408.18-1	05:11	5.67	25.4	2418	119	1.2	.04	2669±24	2680±9	✓
	E408.19-1	05:36	5.61	24.9	2434	122	0.1	.00	2710±21	2718±9	✓
	E408.19-2	05:56	5.74	26.0	3632	172	0.8	.02	2665±20	2670±6	✓
	E408.21-1	06:16	5.39	28.7	1987	109	0.9	.03	2633±22	2703±12	✓
	E408.23-1	06:37	5.29	26.8	2505	130	8.2	.23	2623±23	2661±13	✓
	CZ.2-7	07:00	5.68	23.4	1804	526	0.4	.01	577±3	612±27	✓
	E408.24-1	07:21	5.57	25.0	1574	78	2.8	.13	2743±30	2672±11	✓
	E408.24-2	07:41	5.78	23.6	1739	82	1.9	.08	2872±28	2800±11	✓
	CZ.2-8	08:04	5.38	25.5	1788	514	0.7	.03	576±3	510±27	✓