

Matt

UWA SHRIMP DATA LOG

Date: 18/12/02 UWA Mount No.: C-71 Whose sample?: AMIRA P763 Operator(s): Stu B / 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 = 200/9.2 for O⁻; = 242/2.7 for O₂⁻; = 340/9.9 for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4460

aperture = 100 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 = ~2.000

206-207 = 1.000 206-208 = 2.000

Sens = 16.0

Primary-epoxy = 2.4 nA Primary-CZ3 = 3.4 nA PESABM-CZ3 = 57 pA

Raster time (mins): 1.0 Raster aperture (microns): 70 No. of scans: 7

Comments:

A-E399
C-E410

Exclude 1st Cz. 2-1 analysis (12:01 print out)
& A. 22-1 probe w/h 2°

CZ3 = 13

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?
	CZ. 1-1*	11:38	4.98	23.0	1500	551	0.9	.01	572	569	✓
	CZ. 1-2*	12:00	5.022	24.1	1633	551	0.7	.04	572	605	✓
	E399.1-1	12:22	5.10	23.6	845	48	2.0	-14	2805	2708 ±18	
	E399.1-2	12:42	5.23	23.9	804	44	0.0	-	2799	2695 ±12	
	E399.2-1	13:05	5.42	24.6	1177	60	-ve	-	2781	2714 ±12	
	CZ. 1-3	13:25	5.06	23.5	539 1613	539	2.3	.01	585	535	✓
	E399.2-2	13:49	5.37	24.6	1359	72	-ve	-	2739	2725 ±11	
	E399.3-3	14:10	5.30	23.7	924	52	-ve	-	2737	2719 ±11	

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	E399.4-1	14:34	5.51	22.0	1117	62	0.5	-03	2795	2707 ±14	
	E399.5-1	14:57	5.35	25.5	1000	50	-ve	-	2797	2678 ±11	✓
	C3.1-4	15:17	6.87	2315	1631	581	-ve	-	587	553 ±27	✓
	E399.5-2	15:38	5.54	25.4	4560	280	4.9	.07	2274±	2484±7	✓
	E399.6-1	15:57	5.34	24.2	751	40	-	-	2805±40	2724±13	✓
	E399.7-1	16:17	5.15	26.0	2056	110	4.4	.14	2720±25	2709±11	✓
	E399.8-1	16:40	5.49	28.2	1928	102	-	-	2909±22	2720±8	✓
	C3C.2-1	17:01	2.66	0.19	3996	626	522	0.26	3023	5093	✓ ^{196 corrected}
	C33.2-1	17:28	5.47	24.9	1869	559	-	-	574±6	581±31	✓
	E399.9-1	17:50	4.96	24.70	1748	101	-	-	2778±21	2722±9	✓
	E399.10-1	18:10	5.32	25.12	1640	87	-	-	2725±23	2719±9	✓
	E399.11-1	18:31	5.57	24.6	704	36	1.3	0.13	2733±43	2719±17	✓
	E399.12-1	18:51	5.15	26.5	2547	134	0.5	.01	2714±23	2705±9	✓
	C3C.2-2	19:11	5.19	26.0	1925	571	-	-	578±3	524±18	✓
	E399.13-1	19:33	5.34	26.4	2247	111	-	-	2766±21	2705±8	✓
	E399.14-1	19:53	5.59	26.6	1902	92	0.1	.01	2693±22	2708±8	✓
	E399.15-1	20:14	5.47	26.2	609	30	-	-	2732±39	2728±15	✓
	E399.16-1	20:34	5.46	26.1	1879	92	-	-	2726±26	2725±8	✓
	C3C.2-3	20:53	4.94	25.4	1822	575	0.5	0.02	592±6	564±18	✓
	E399.17-1	21:17	5.47	25.4	1853	93	4.7	0.18	2723±28	2699±12	✓
	E399.18-1	21:37	5.15	28.2	2261	112	1.2	.04	2712±22	2699±9	✓
	E399.19-1	21:56	5.19	26.0	1593	83	2.6	.11	2737±29	2703±11	✓
	E399.20-1	22:16	5.43	25.8	976	48	-	-	2762±30	2735±10	✓
	C33.2-3	22:37	5.12	26.0	1890	575	-	-	574±3	589±23	✓
	E399.21-1	22:57	5.29	27.5	2149	105	1.2	.04	2723±21	2722±8	✓

monitored
excluded
NoL C23!

Rejection over-ride Sample/Std ID Time - printout UO/U 196 Kcps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

Exclude secondary disappeared during ^{the} scan ~~to~~ halted →

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	22-1	23:12	5.54	17.3	1464	127	-	-	2356±239	306±184	✓
	23-1	23:33	5.81	26.1	2519	121	2.3	.07	2587±47	2694±8	✓
	24-1	23:54	5.34	29.9	2566	119	4.4	-.14	2617±20	2711±10	✓
	25-1	00:14	5.05	27.5	1734	86	0.5	-.02	2817±50	2689±21	✓
	C23.2-4	00:34	4.85	25.4	1759	577	2.6	-.09	584±9	579±37	✓
	26-1	00:55	5.10	27.5	1022	51	1.6	.11	2774±37	2688±12	✓
	27-1	01:16	5.19	26.6	1558	78	-	-	2789±24	2725±14	✓
	28-1	01:36	4.74	26.2	1075	60	1.4	-.08	2779±176	2743±81	✓
	29-1	01:56	5.39	27.5	2314	108	0.9	.03	2767±23	2701±9	✓
	30-1	02:17	5.32	27.9	793	36	0.9	.08	2818±45	2721±16	✓
	C23.2-5	02:37	5.33	25.2	2084	592	0.1	-.00	597±4	562±8	-
E410	1-1	02:57	5.43	26.1	6982	368	2.1	-.02	2586±19	2618±14	✓
	2-1	03:19	4.92	25.9	884	49	-	-	2772±30	268±11	✓
	3-1	07:39	5.33	27.7	3676	194	1.3	.03	2513±14	2618±7	✓
	4-1	03:59	5.18	27.8	4296	224	1.4	.02	2774±25	2664±7	✓
	C23.3-1	04:18	5.22	26.6	1997	575	-	-	589±6	585±26	✓
	5-1	04:41	5.11	25.7	6350	353	12.4	0.13	2680±45	2639±10	✓
	6-1	05:01	4.86	25.3	4359	253	-	-	2767±14	2669±6	✓
	7-1	05:21	5.00	25.7	1217	66	2.5	0.13	2788±32	2690±12	✓
	8-1	05:40	5.18	26.9	3744	190	1.2	-.02	2775±17	2660±7	✓
	9-1	06:00	4.89	25.3	2953	167	-	-	2803±17	2720±7	✓
	C23.3-2	06:20	5.35	25.5	1987	561	1.8	.06	592±7	539±32	✓
	10-1	06:40	5.19	26.5	4797	261	1.3	.02	2620±16	2655±9	✓
	11-1	07:00	5.61	25.5	5.85	296	2.7	.03	2627±15	2682±8	✓
	12-1	07:19	5.55	25.7	5891	296	-	-	2658±16	2630±5	✓

