

(Int)

UWA SHRIMP DATA LOG

Date: 9/11/99 UWA Mount No.: 99-20 Whose sample?: Bucci Operator(s): McN + AR

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* 30/40* 10 5 5 2 32
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 24 2 3

Steel: Wein volts / nA = 74V/12.0 for O⁻; = 50V/3.3 for O₂⁻; = 40V/6.3 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4678

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: ²⁰⁰196-204 = 4.139 204-bkg = 0.045 204-206 = 1.999
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 3.0 nA Primary-CZ3 = ^{khan}3.8 nA PESABM-CZ3 = ^{khan}76 pA

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: C = WMD 189-25
B = WMD 31-4

** 1° dropped off steadily: started drop ~ 1/2 way thru run!*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO ₂ (270/254)	²⁰⁰ 196 Kcps	206 cps	⁽²⁷⁰⁾ UO ₂ ppm Kcps	204Pb ppb cps	f ₂₀₆ %	Age ±1σ (Ma) 206/238 206/270	207/206	Offsets OK?
	* kh.4-1	10:49	* .894	1366	2580	16.8	0.9	.48	* .154	580 ± ?	✓
	* kh.4-2	11:08	.968	1627	2857	18.3	1.2	.59	.156	477 ± ?	✓
	* C.1-1	11:27	1.003	2034	4511	4.7	3.4	.95	.965	2643	✓
	* C.1-2	11:47	.982	1841	4082	4.3	3.6	1.17	.950	2598	✓
	* kh.4-3	12:04	.943	1639	2813	17.6	0.8	.41	.160	456	✓
	C.1-3	12:22	.968	2008	4447	4.6	3.4	1.00	.956	2647	✓
←	C.1-4	12:39	.970	1840	3607	3.8 3.6	3.6 3.6	.91	.951	2625	✓
←	C.1-5	12:56	1.031	2134	4177	4.3	3.9	1.3	.968	2621	✓

should be 3-1
 should be 4-1

consistent dropoff for all analyses

Mount/sample No: 99-20Date: 9/11/99Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	U ₂ /U ₀ 270/254 Kcps	206 cps	204Pb f ₂₀₆ %	Age ±1σ (Ma) 206/238 206/270	Offsets OK?				
	kh. 4-4	13:14	.938	1496	2740	17.4	0.9	.41	.157	509	✓
	c 2-1	13:36	1.05	2238	4215	4.3	3.1	.97	.974	2609	✓
	c 5-1	13:57	1.038	2075	3999	3.7	2.7	.99	.945	2632	✓
	c 6-1	14:14	1.021	1871	3942	4.3	3.6	1.2	.911	2620	✓
	c 7-1	14:36	1.023	2137	3612	3.8	3.3	1.2	.950	2630	✓
	kh. 4-5	14:51	.967	1649	2656	16.1	0.8	.33	.165	579	✓
	c 8-1	15:11	1.017	1978	3499	3.8	2.6	.91	.930	2639	✓
①	c 9-1	15:30	.967	1881	2956	3.1	3.2	1.4	.960	2607	✓
	c 10-1	15:48	1.005	2019	3374	3.6	3.2	1.3	.931	2653	✓
	c 11-1	16:06	.980	1986	3292	3.5	3.3	1.3	.946	2615	✓
	kh. 4-6	16:24	.947	1527	2670	16.6	1.2	.67	.161	462	✓
1st Scan	c 12-1	16:46	.972	1645	2961	3.1	2.9	1.3	.965	2593	✓
	c 13-1	17:04	.977	1873	3752	3.9	2.9	1.0	.953	2625	✓
	c 14-1	17:22	.999	2065	3243	3.3	3.5	1.4	.969	2615	✓
②	c 15-1	17:41	1.047	2000	3032	3.2	3.0	1.3	.948	2608	✓
	kh. 4-7	18:00	.991	1491	2437	15.2	0.8	.50	.160	519	✓
	c 16-1	18:20	1.003	1860	3317	3.4	2.5	.95	.952	2622	✓
	c 17-1	18:39	1.052	1875	2949	3.1	3.2	1.5	.954	2592	✓
	c 18-1	18:57	.985	1893	3548	3.7	3.4	1.3	.959	2594	✓
	c 19-1	19:16	1.021	1660	2947	3.0	2.7	1.2	.979	2626	✓
	kh. 4-8	19:34	.965	1316	2393	15.4	0.8	.49	.155	441	✓
	c 20-1	19:52	1.039	1791	3367	3.57	3.2	1.2	.947	2622	✓
1st Scan	c 21-1	20:12	1.039	1836	2971	3.0	2.4	1.1	.972	2627	✓
	c 22-1	20:32	.997	1881	3446	3.6	3.0	1.1	.962	2634	✓
	c 23-1	20:5	.990	1878	3152	3.3	3.0	1.3	.955	2632	✓

① Jump in I° from 3.7 nA to 4.0 nA. ② unrecoverable drop in I° to 3.5 nA during analysis-

4,139

Mount/sample No: 99-20 Date: 9/11/99 Page No: 3

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO 200/254 Kcps	196 Kcps	206 cps	270 UO ₂ ppm Kcps	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238 206/270	207/206	Offsets OK?
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	Kh4-9	21:08	.978	1477	2515	15.4	1.2	.74	.163	438	✓
	C24-1	31:27	.970	1475	3547	3.8	2.7	1.02	.935	2622	✓
C	C25-1	21:50	.984	1707	2793	3.0	2.8	1.3	.933	2619	✓
B	1st Scan B1-1	22:25	.903	1572	299	3	1.8	8.0	1.003	2585	✓
	B2-1	22:53	.941	1816	875	.91	2.0	2.9	.964	2630	✓
	Kh4-10	23:12	.961	1447	2558	15.9	0.8	.47	.161	465	✓
	1st Scan B3-1	23:33	.921	1485	1768	1.9	2.2	1.6	.940	2661	✓
	B4-1	23:55	.945	1648	1647	2.1	1.7	.99	.963	2651	✓
	B5-1	00:18	.956	1897	1394	1.4	2.4	2.2	.976	2663	✓
	B6-1	00:43	.939	1759	1216	1.2	2.0	2.1	.973	2678	✓
B	Kh3-1	1:01	.925	1278	2271	14.7	0.9	.57	.154	438	✓
D	Scan 1 D1-1	1:31	.973	1945	613	.6	4.2	9.2	1.017	2612	✓
	D2-1	1:51	1.001	1965	877	.9	5.0	7.6	.990	2688	✓
	D3-1	2:00	.969	1782	745	.7	4.6	8.3	1.005	2645	✓
	D4-1	2:30	.934	1752	1418	1.4	5.4	5.1	.985	2678	✓
D	Kh3-2	2:47	.962	1393	2364	14.9	1.0	.62	.159	432	✓
A	Scan 1 A1-1	3:12	.999	1823	3200	3.3	2.9	1.1	.964	2620	✓
	A2-1	3:31	1.007	1716	2672	2.8	3.0	1.4	.948	2638	✓
	A3-1	3:49	1.040	1829	2810	2.9	3.1	1.5	.955	2633	✓
	A4-1	4:07	1.017	1886	3143	3.3	4.0	1.7	.953	2599	✓
	Kh3-3	4:25	.949	1451	2411	15.1	0.8	.48	.159	502	✓
	A5-1	4:46	1.009	1814	2813	2.9	4.1	1.9	.977	2549	✓
	A6-1	5:15	1.000	1762	2293	2.3	2.8	1.6	.988	2575	✓
	A7-1	5:32	1.010	1746	2561	2.7	2.8	1.4	.968	2624	✓
	A8-1	5:50	1.034	1869	2781	2.8	2.7	1.2	.993	2588	✓

Pop Bz

