

UWA SHRIMP DATA LOG

Date: 11/8/00 UWA Mount No.: A-47 Whose sample?: SB Operator(s): SB

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* 40 10 5 5 2
Phanerozoic* Delay time (secs): 8.8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 62/12 for O⁻; = 42/2.4 for O₂⁻; = 32/8.5 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5100

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 = 1.995

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.2 nA Primary-CZ3 = 3.2 nA PESABM-CZ3 = 42 pA

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

Comments: A47-C Sample E324 (Sunrise Sandstone)

Standards:

n = 9

Ev. Dr = 1.25%

(actual error = 2.12)

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?
	<u>C2.3-1</u>	<u>11:56</u>	<u>6.00</u>	<u>18.9</u>	<u>1824</u>	<u>220</u>	<u>-0.4</u>	<u>—</u>	<u>572</u>	<u>543</u>	<u>✓</u>
	<u>C2.3-2</u>	<u>12:21</u>	<u>6.21</u>	<u>17.4</u>	<u>1858</u>	<u>218</u>	<u>0.7</u>	<u>.06</u>	<u>574</u>	<u>523</u>	<u>✓</u>
	<u>C.1-1</u>	<u>12:43</u>	<u>6.30</u>	<u>18.3</u>	<u>2374</u>	<u>50</u>	<u>7.4</u>	<u>0.4</u>	<u>2492</u>	<u>2716 ± 9</u>	
	<u>C.2-1</u>	<u>13:09</u>	<u>6.43</u>	<u>12.0</u>	<u>1353</u>	<u>41</u>	<u>-0.4</u>	<u>—</u>	<u>2473</u>	<u>2677 ± 9</u>	
	<u>C.2-2</u>	<u>13:31</u>	<u>6.31</u>	<u>17.1</u>	<u>2100</u>	<u>42</u>	<u>0.7</u>	<u>-0.4</u>	<u>2723</u>	<u>2699 ± 8</u>	
	<u>C2.3-3</u>	<u>13:54</u>	<u>6.47</u>	<u>17.2</u>	<u>1873</u>	<u>201</u>	<u>-0.1</u>	<u>—</u>	<u>560</u>	<u>574</u>	
	<u>C.3-1</u>	<u>14:16</u>	<u>6.30</u>	<u>17.1</u>	<u>1952</u>	<u>39</u>	<u>0.6</u>	<u>-0.4</u>	<u>2726</u>	<u>2718 ± 8</u>	
	<u>C.4-1</u>	<u>14:39</u>	<u>6.10</u>	<u>18.2</u>	<u>1944</u>	<u>41</u>	<u>1.6</u>	<u>0.10</u>	<u>2707</u>	<u>2719 ± 8</u>	

10 dropped away during analysis. →

changed to 8 sec. delay time in 196 peak. →

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C.5-1	15:01	7.56	15.7	2169	65	39	3.6	1275	2708 ±18	
	C.6-1	15:24	5.86	18.2	1417	34	2.6	-20	2731	2705 ±11	
	C.7-1	15:45	5.87	17.8	1670	41	0.3	.02	2698	2722 ±9	
	C.3-4	16:09	5.83	18.4	1650	234	-0.2	-	555	618	✓
	C.8-1	16:31	6.97	17.1	2626	67	21	1.3	1717	2728 ±11	
	C.9-1	16:56	6.71	17.5	2193	51	25	1.8	1973	2733 ±14	
	C.10-1	17:17	6.35	17.8	1597	39	8.8	-75	2203	2715 ±12	
	C.11-1	17:40	6.08	17.3	1067	24	-1.1	-	2733	2720 ±10	
	C.12-1	18:03	5.82	18.5	1298	34	0.0	<.01	2532	2720 ±9	
	C.3-5	18:25	6.63	17.2	2010	192	0.7	.07	580	532	✓
	C.13-1	18:48	6.44	16.6	1283	25	0.6	-06	2748	2708 ±9	
	C.14-1	19:10	6.31	16.9	2929	59	-1.4	-	2732	2716 ±6	
	C.15-1	19:31	6.51	16.8	1759	37	4.6	-36	2442	2710 ±10	
	C.16-1	19:55	6.34	17.1	1149	22	0.4	.05	2768	2700 ±12	
	C.17-1	20:17	6.00	16.3	875	22	-0.4	-	2712	2724 ±11	
	C.3-6	20:42	6.59	17.1	1928	192	0.4	-04	572	512	✓
	C.18-1	21:05	6.42	18.3	934	18	1.3	-21	2508	2726 ±14	
	C.19-1	21:26	6.36	16.7	1651	32	3.7	.29	2807	2718 ±10	
	C.20-1	21:48	6.14	16.9	1559	39	0.6	-05	2476	2727 ±10	
	C.21-1	22:19	6.36	16.9	2902	78	41.4	1.8	2070	2721 ±12	
	C.22-1	22:41	6.62	17.2	2110	46	16	1.1	2226	2696 ±12	
	C.3-7	23:06	6.37	17.8	1920	201	1.8	.17	579	500	✓
	C.23-1	23:36	7.21	15.9	2804	46	25	1.6	2428	2693 ±12	
	C.24-1	23:58	6.54	17.2	1294	31	8.9	1.0	2134	2630 ±17	
	C.25-1	0:19	6.11	17.2	1400	30	1.1	-09	2774	2712 ±10	

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?
	C-26-1	0:41	6.28	17.0	1173	23	0.8	-09	2779	2712 ± 11	
	C-27-1	1:04	6.22	17.2	2269	48	0.2	?	2719	2723 ± 7	
	CZ.3-8	1:29	6.35	17.0	1822	206	0.1	-01	565	602	✓
	C-28-1	1:51	6.37	17.0	2097	41	0.4	-02	2763	2703 ± 11	
	C-29-1	2:14	6.50	17.8	1825	34	2.7	-22	2604	2761 ± 9	
	C-30-1	2:36	6.18	16.9	1836	43	1.3	-09	2561	2704 ± 9	
	C-31-1	2:57	6.47	17.6	992	25	4.5	-65	2057	2729 ± 15	
Delete Scan-1	C-32-1	3:20	6.61	16.8	2189	39	0.8	-05	2719	2714 ± 8	
	CZ.2-1	3:41	6.29	17.4	1830	207	0.3	-03	571	540	✓