UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
7/5/01	B-13 / B-22	SB / AMIRA	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 ~~/30~~	30 ~~/10~~	10	5	5	2	
Phanerozoic*	Delay time (secs):	8	3	1	2	1	1	3	2	2	

Steel: Wein volts / nA = 395 / 24 for O^-; = 267 / 4.8 for O_2^-; = 223 / 5.5 for NO^-

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

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 = 1.998

206-207 = 1.001 206-208 = 2.002

Primary-epoxy = 3.9 nA Primary-CZ3= 5.3 nA PESABM-CZ3 = 58 pA

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

Comments: Res = 4811

Standards
n = 13
error = 1.74 %

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.3-1	11:15	7.46	16	1800	238	0.5	.01	572	546	✓
	CZ.3-2	11:35	7.35	17	1800	240	1.0	.02	564	584	
	A.11-1	11:57	7.07	17	2000	44	0.4	.03	2909	2821 ±10	
	A.12-1	12:19	7.05	18	2600	56	2.5	.15	2899	2792 ±8	
	CZ.3-3	12:38	6.93	18	1700	238	0.1	.03	571	577	✓
	A.12-2	13:04	6.97	18	2500	57	0.7	.04	2818	2793 ±8	
	A.13-1	13:22	6.64	19	1100	23	−0.3	−.04	2946	2805 ±14	
	A.13-2	13:41	6.75	19	980	22	−0.3	−.04	2854	2805 ±11	

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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?
	A.14-1	13:59	6.72	19	1100	23	0.0	—	2944	2810 ±12	
(last 2 scans)	A.15-1	14:22	7.42	19	2200	40	0.8	.06	3079	2312 ± 280	✓
*	CZ.3-4	15:35	6.71	19	1800	238	−0.5	-.02	571	565	✓
*	CZ.3-6	16:23	7.00	17	1800	238	−0.2	.02	571	596	✓
*	CZ.3-8	17:23	7.28	18	1900	238	0.5	<.01	571	590	✓
	CZ.3-9	18:05	7.18	20	2000	231	−0.4	−.02	569	595	✓
	A.16-1	18:22	6.97	20	1700	35	1.0	.1	2783	2804 ±10	
	A.17-1	18:40	6.90	19	1100	22	1.6	.24	2891	2770 ±15	
*	A.18-1	19:00	6.66	19	1200	26	0.5	.06	2865	2833±12	
*	CZ.3-11	19:58	6.99	19	1800	238	−0.8	.005	571	529	✓
	A.19-1	20:17	6.96	17	5400	129	1.1	~~2748~~ -.03	2742	2815 ±6	
	A.20-1	20:35	7.02	18	2100	48	0.5	.03	2828	2807 ±16	
	A.21-1	21:02	7.02	19	1800	40	0.6	.05	2702	2809 ±10	
*	CZ.3-12	21:21	6.98	20	1900	240	−0.4	−.01	547	545	
	C.1-1	21:47	7.11	18	2000	46	0.7	.06	2734	2694 ± 9	
	C.2-1	22:06	7.02	19	1500	32	1.1	.12	2781	2695 ± 11	
	C.3-1	22:25	6.90	18	1800	42	2.6	.22	2773	2686 ±10	
	C.4-1	22:45	6.91	18	1500	35	2.2	.22	2755	2710 ±13	
	C.5-1	23:04	6.79	17	1800	46	1.8	.14	2751	2694 ±11	
	C-6-1	23:24	7.13	16	2000	52	1.0	.07	2742	2707 ± 11	
	CZ.3-13	23:44	6.88	18	1700	243	−0.4	0.1	556	603	✓
	C.7-1	0:03	7.03	17	1500	36	1.0	.09	2776	2681 ±13	
	C.8-1	0:23	6.97	18	1900	44	0.8	.06	2773	2721 ±10	
	C.9-1	0:42	7.25	17	2000	47	−0.1	−.01	2778	2720 ±10	
	C.10-1	1:00	6.76	18	1800	44	2.3	.18	2711	2703 ±10	

magnet dropped out → Reset, then new calib. Std.

magnet dropped out several times - water temp. problem.

magnet dropped out on scan 6.

Change to 3-12

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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?
	C.11-1	1:18	6.84	18	1400	33	0.8	.08	2844	2690 ±14	
	C.12-1	1:35	7.08	18	2000	46	0.7	.05	2760	2724 ±11	
	C.12-2	1:55	7.01	16	1500	37	0.8	.07	2863	2711 ±13	
	CZ.3-14	2:16	7.08	18	1800	245	0.5	.04	558	562	✓
	C.13-1	2:33	6.91	17	1300	29	1.4	.16	2875	2693 ±23	
	C.14-1	2:53	6.81	16	910	24	0.6	.08	2815	2720 ±16	
Contamination? Poor analyses →	C.15-1	3:14	6.84	17	710	19	1.0	.18	2629	2804 ±72	
	C.16-1	3:32	7.07	17	1400	33	0.7	.08	2824	2703 ±12	
	CZ.3-15	3:54	6.96	18	1800	240	0.4	-0.02	556	579	✓
	C.17-1	~~3:54~~ 4:14	~~6.96~~ 6.84	~~18~~ 17	~~1800~~ 1400	34	0.1	.01	2868	2708 ±10	
	C.18-1	4:34	6.89	16	1000	27	0.5	.07	2789	2696 ±16	
	C.19-1	4:53	7.01	17	1800	45	2.8	.22	2695	2700 ±11	
	C.20-1	5:13	7.05	16	2400	60	2.5	.15	2754	2691 ±11	
	CZ.3-16	5:31	6.87	19	1800	242	0.0	-.02	554	605	✓