UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
16-7-01	B-12	SB	SB/MG

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 = 320/13 for O^-; = 218/2-4 for O_2^-; = 178/7-7 for NO^-

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4858

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 8.1623

Actual: 196-204 = 8.170 204-bkg = 0.045 204-206 = 2.002

206-207 = 1.000 206-208 = 2001 Sensitivity = 14.9 cps/ppm/nA

Primary-epoxy = 2.2 nA Primary-CZ3= 3.0 nA PESABM-CZ3 = 32 pA

Raster time (mins): 1 Raster aperture (microns): 90 No. of scans: 6

Comments: B-12 C (E367) : Liberty Bore Rhyolite.

~~A-47 B (E526) : Sunrise Qz-diorite.~~

97-11

Mount B-12
n = 7 standards
1.75 % error.

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?
Outlier - Rejected this standard anal. →	CZ.3-1*	10:58	6.79	10.0	1100	238	0.1	<0.01	572	548	✓
	CZ.3-2	11:16	6.79	12.0	1400	227	-1.2	-0.19	606	580	✓
	C.1-1	11:43	7.26	11.0	2600	87	3.6	.15	2637	2703 ± 10	
	C.2-1	12:03	7.86	10.0	2900	152	41	1.6	1682	2703 ± 13	
	CZ.4-1	12:20	6.73	11.0	1200	239	-0.5	-0.4	583	568	✓
	C.3-1	12:43	7.10	11.00	2900	86	1.4	.05	2827	2710 ± 8	
	C.4-1	13:01	7.36	11.0	1900	62	1.1	.07	2595	2714 ± 10	
	C.5-1	13:22	7.81	11.0	2800	155	54	2.4	1496	2734 ± 16	

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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.6-1	13:52	7.13	12.0	2100	62	0.9	.05	2793	2720 ±10	
	CZ.4-2	14:12	6.68	13.0	1500	230	-0.4	-.03	618	584	✓
	c.7-1	14:29	7.41	12.0	1500	52	10.2	0.8	2341	2673 ±18	
	c.8-1	14:48	6.89	12.0	2400	76	4.0	.19	2669	2717 ±10	
	c.9-1	15:06	8.09	11.0	2600	129	34	1.8	1561	2699 ±14	
	c.10-1	15:26	6.79	12.0	1700	51	0.1	.01	2805	2716 ±12	
	c.11-1	15:46	6.74	13.0	1900	54	2.0	.12	2923	2711 ±11	
	c.12-1	16:04	6.98	10.0	1400	56	4.6	.33	2432	2711 ±14	
	CZ.4-3	16:26	7.15	12.0	1500	246	0.7	.06	598	595	✓
	CZ.4-4	16:43	6.98	12.0	1500	235	0.8	.06	612	575	✓
	c.13-1	17:03	6.99	12.0	2300	69	1.0	.05	2827	2712 ±9	
	c.14-1	17:21	6.73	12.0	2300	69	8.3	.39	2898	2680 ±11	
	c.15-1	17:39	7.47	10.0	2500	90	8.9	.38	2550	2719 ±10	
	c.16-1	18:02	6.60	12.0	1900	65	2.4	.14	2686	2716 ±10	
	c.17-1	18:25	7.15	12.0	2300	69	9.5	.50	2672	2714 ±12	
	CZ.4-5	18:44	6.77	12.0	1400	236	-0.3	-.03	622	596	✓
	c.18-1	19:04	6.90	12.0	2200	65	2.1	.11	2981	2699 ±8	
	c.19-1	19:23	7.59	11.0	2500	76	5.2	.25	2643	2716 ±31	
	c.20-1	19:47	7.54	11.0	2500	75	4.0	.18	2804	2716 ±8	
	CZ.4-6	20:05	6.55	13.0	1400	229	0.1	.01	608	619	✓