

A10

UWA SHRIMP DATA LOG

Date: 24/3/00 UWA Mount No.: 99-72 Whose sample?: SB/AMIRA Operator(s): S.B.

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 = 67/11 nA for O⁻; = 44/1.5 nA for O₂⁻; = 34/2.0 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5090
 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 = 8.169 204-bkg = 0.045 204-206 = 2.000
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.4 nA Primary-CZ3 = 1.9 nA PESABM-CZ3 = 27 pA
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: 99-72 C - Sample E320 Gravejam Grit.
 99-72 A - Sample E321 Kalgoorlie Sandstone

Standards n=11
 % error = 2.56 (at slope=2)
 Actual slope = 2.73

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.24-1	11:24	7.36	9.0	984	220	2.0	.07	572	581	✓
	CZ.24-2	11:44	7.34	8.8	976	222	1.0	.07	578	490	
	C.12-1	12:07	7.26	9.0	161	7.0	2.0	.8	2586	2643 ± 46	
	C.14-1	12:28	7.18	8.8	479	22	2.1	.26	2623	2652 ± 21	✓
	CZ.17-1	12:50	7.10	9.1	935	231	0.3	.06	567	570	
	C.15-1	13:09	7.43	8.6	1044	46	10.4	.64	2539	2688 ± 16	
	CZ.17-2	14:02	7.34	8.0	891	215	1.7	.14	597	591	
	C.11-1	14:24	7.27	7.8	575	3127	2.31	2.4	2678	2660 ± 34	

Altered spot with aperture pos. & skewing. →

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.13-1	14:45	7.10	7.9	696	42	68	5.1	2217	2683 ±40	
	C.1-1	15:11	7.50	7.7	401	1.7	1.9	2.9	2785	2487 ±190	✓
	C.2-1	15:32	7.77	7.3	469	18.2	2.1	.27	2889	2708 ±19	
	C.18-1	15:52	7.5	7.3	1254	58	20	.90	2698	2628 ±15	✓
	CZ.15-1	16:13	7.56	7.5	851	206	-0.3	-	584	612	✓
	C.6-1	16:35	7.43	7.3	796	38	0.9	.07	2709	2666 ±14	
	C.6-2	16:56	7.038	8.6	1103	43	3.6	.21	2810	2698 ±12	✓
	C.7-1	17:22	7.25	9.3	759	34	63	5.4	2336	2618 ±40	
	C.19-1	17:44	7.34	8.3	719	30	2.5	.21	2715 ±19	2675 ±15	
	C.5-1	18:04	7.40	8.3	684	27	1.1	.10	2851	2692 ±15	
	CZ.15-2	18:27	7.47	8.4	947	207	0.8	.07	600	611	✓
	C4-1	18:48	7.29	7.8	716	40	32	2.7	2288	2650 ±30	✓
	C.9-1	19:08	7.015	8.2	523	26	14	1.5	2590	2600 ±28	
	C.8-1	19:32	7.78	7.7	85	3.1	0.8	.65	2908	2620 ±71	
	C.17-1	19:55	7.38	8.1	1178	50	2.7	-14	2808	2667 ±12	
	C.17-2	20:15	7.4	8.0	991	44	2.7	.16	2697	2697 ±13	
	CZ.1-1	20:35	7.6	7.9	966	215	2.7	.22	604	509	
	C.20-1	20:57	7.91	7.2	967	43	8.4	.56	2825	2664 ±16	
	C.21-1	21:21	7.15	7.7	421	21	1.9	.23	2691	2674 ±21	
	A.1-1	21:44	7.51	7.8	1022	45	2.1	-12	2677	2655 ±13	✓
	A.2-1	22:03	7.22	8.13	1591	74	1.3	.05	2716	2668 ±10	
	CZ.12-1	22:25	7.34	8.15	924	217	0.8	.07	604	503	✓
	A.3-1	22:45	7.20	8.11	1559	73	1.7	-06	2710	2725 ±12	
	A.4-1	23:06	7.67	7.3	1825	79	-0.7	-	2762	2659 ±9	
	A.5-1	23:28	6.85	8.5	2036	109	0.9	.02	2641	2676 ±8	✓

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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?

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?
	A-6-1	23:48	7.4	7.9	1176	58	2.8	.14	2481	2665 ±12	
	A-7-2	1:14	7.43	7.6	889	215	0.8	.07	603	558	✓ re adjusted offsets for 207, 208 & 204
	A-7-1	1:42	7.07	7.4	532	30	2.0	.18	2648	2645 ±18	✓
	A-8-1	2:02	7.39	7.8	1416	61	1.4	.06	2819	2677 ±10	✓
	A-9-1	2:24	7.86	7.5	1259	49	2.7	.14	2780	2665 ±11	✓
	A-10-1	2:44	6.89	8.0	605	33	1.5	.12	2720	2681 ±16	✓
	A-11-1	3:07	8.22	7.2	520	19	1.1	.15	2725	2706 ±19	
	A-12-1	3:28	7.11	9.9	782	39	0.8	.05	2702	2684 ±14	
	A-12-2	3:48	7.62	7.2	878	214	0.2	.02	595	537	✓
	A-13-1	4:08	7.30	7.44	790	42	3.9	.26	2567	2667 ±15	
	A-14-1	4:28	7.28	7.42	2133	107	1.0	.02	2696	2681 ± 8	
	A-15-1	4:47	7.20	7.4	920	47	-ve	—	2711	2693 ±12	✓
	A-16-1	5:06	7.51	7.45	626	29	0.2	.02	2689	2673 ±15	
	A-17-1	5:27	7.76	7.11	1460	62	0.7	.03	2774	2676 ±11	
	A-17-2	5:46	7.63	7.19	828	207	1.1	.10	579	596	✓
	A-18-1	6:08	7.18	7.67	2173	105	2.3	.06	2775	2654 ± 8	
	A-19-1	6:27	7.48	7.4	1091	49	1.1	.06	2769	2679 ±11	
	A-20-1	6:47	7.64	7.41	1112	47	3.9	.21	2771	2663 ±12	✓

Mounted analysis - 20 dropped out:
 (12-2) →

re adjusted offsets for 207, 208 & 204