UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
6/12/01	B-72	NK	MeN + NK

Indicate any change to the following:

		196 (Hf 2v 196)	204	bkg	206	207	208	238	248	254	270
Precambrian	Count time (secs):	2 2	10 7	10 7	~~10/20*~~ 7 20	~~30/10*~~ 20	~~10~~ 5	5	~~3~~ 5	2	
Phanerozoic*	Delay time (secs):	8 1	3	1	2	1	1	3	2	2	

Steel: Wein volts / nA = 300/72V/15 for O^-; = 147/47V/5.0 for O_2^-; = 156/37V/19 for NO^-

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4980

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: 196-204 = 8.173 204-bkg = 0.045 204-206 = 2.000 ± 6

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 4.1 nA Primary-CZ3= 5.8 nA PESABM-CZ3 = 77 pA

Raster time (mins): 1 Raster aperture (microns): 70 No. of scans: 5

Comments: NB: 1° generally dropping steadily during analyses (*)

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.1-1	9:58	6.05	32	3500	238	0.6	.05	572 ± 5	512 ± 24	✓
	* cz.1-2	10:16	5.85	37	3500	225	-0.6	/	553 ± 3	579 ± 18	✓
	1-1	10:30	6.29	35	2400	23	2.3	.32	2989 ± 32	3075 ± 13	✓
Bad analysis!	2-1	10:43	6.23	36	2000	42	5.3	.89	1482 ± 209	2510 ± 270	✓
	cz.1-3	10:56	6.17	33	3400	231	0.4	.04	554 ± 5	566 ± 24	✓
	2-2	11.10	6.32	34	2200	20.5	0.2	.0032	3120 ± 46	3194 ± 11	✓
uB72.	3-1	11.23	6.35	32	7800	86.9	1.4	.0056	2748 ± 5	3032 ± 6.0	✓
	4-1	11.37	6.43	34	2900	30.4	2.6	.0273	2752 ± 101	2986 ± 59	✓

Mount/sample No: 872 **Date:** 6/12/01 **Page No:** 2

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?
	5-1	11·51	6·26	33	8400	756	1·3	·00046	3306±22	3324±5	✓
	CZ.6-1	12·04	6·28	34	1100	111·0	-0·6	–	2851±34	2958±5	✓
	CZ.1-4	12·17	6·05	36	3500	226·7	0·7	·00062	549±38	472±82	✓
	7-1	12·31	6·28	33	6500	65·2	1·9	·00091	2999±37	3287±9·7	✓
	8-1	12·44	6·11	31	3300	34·8	0·1	·00029	3147±62	3211±8	✓
	9-1	12·57	6·22	31	4300	40·2	0·5	·00033	3406±147	3578±31	✓
	10-1	13·10	6·05	29	1100	138·8	2·7	·00069	2745±17	2957±5	✓
	11-1	13·23	6·25	32	8300	86·8	-0·5	–	3016±17	3079±5	✓
	12-1	13·36	6·53	33	12000	124·6	2·0	·00057	2762±52	3284±5	✓
	CZ.2-1	13·51	6·29	33	36000	236	0·7	·00063	553±5	530±27	✓
	13-1	14·04	6·26	35	1400	42·3	1·1	·00263	1078±12	2883±17	✓
	14-1	14·17	6·29	32	2300	22·3	-0·4	–	3075±33	3088±12	✓
	15-1	14·30	6·14	34	3700	32	0·6	·00051	2968±24	3080±9	✓
	16-1	14·44	6·15	33	3700	35·3	-0·5	–	3173±27	3213±8·3	✓
	17-1	14·57	6·39	32	3200	28	2·0	·00200	3347±44	3448±7·6	✓
	CZ.2-2	15·10	6·06	33	3300	234·7	0·3	·00027	547±3	568±31	✓
	18-1	15·24	6·22	33	6200	63·2	1·2	·00057	3015±26	3043±6	✓
	19-1	15·37	6·22	32	1000	100·6	-0·1	–	3103±.	3205	✓
	20-1	15·52	6·38	32	9100	9·9	0·6	·00190	2855±47	2912±22	✓
	21-1	16·05	6·47	31	38000	39·3	0·5	·00043	2991±29	3078±7·6	✓
	22-1	16·18	6·52	31	4300	52	2·1	·00154	2617±29	2982±12	✓
	23-1	16·31	6·25	31	9200	84·1	1·7	·00054	3385±19	3473±4	✓
	CZ.2-3	16·44	6·41	30	3200	234·3	0·8	·00072	541±3	556±26·3	✓
	24-1	16·57	6·45	31	3400	36·2	-0·4	–	2919±26	2990±18·3	✓
	25-1	17·10	6·63	30	2700	29·5	0·1	·00010	2847±31	3017±9	✓

Mount/sample No: B72 **Date:** 6/12/01 **Page No:** 3

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?
	uB72-26-1	17:23	6.27	32	5900	62.8	0.0	.00002	2957	3052	✓
	27-1	17:36	6.24	32	5700	62.8	2.5	.00129	2890 ± 24	2997 ± 18.7	✓
	28-1	17:50	6.57	30	6100	64.9	0.2	.00011	2933 ± 20	3066 ± 8	✓
	cz.2-4	18:03	6.14	32	3300	233.8	-6.7	–	543 ± 3	620 ± 26	✓
	29-1	18:17	6.42	30	5400	51.5	2.5	.00134	3293 ± 26	3422 ± 6	✓
	30-1	18:30	6.25	31	6200	66.2	-0.3	–	3006 ± 23	3066 ± 6.3	✓
	31-1										
	32-1										
	33-1	19:15	6.51	30	3700	58.9	26.1	0.0139	2979 ± 29	3133 ± 43	✓
	cz.2-5	19:30	6.08	33	3100	220.2	0.9	.00085	538 ± 10	536 ± 22	✓
	34-1	19:45	6.31	30	1800	19.1	1.1	.00173	3046 ± 42	3152 ± 12	✓
	35-1	19:59	6.35	32	10000	108.9	2.0	.0006	2559 ± 12	2995 ± 5	✓
	36-1	20:13	6.05								✓
	37-1	20.22	6.20	29	1800	29.4	5.5	0.0086	2218 ± 105	3296 ± 13	✓
	38-1	20.42	6.32	29	8900	103.5	4.4	.00132	2913 ± 27	3046 ± 14	✓
	cz.2-6	20.59	7.74	24	370	258	1.6	.00133	551 ± 13	513 ± 103	✓
	39-1	21:13	6.28	30	7400	91.5	0.2	.00018	2754 ± 41	3093 ± 5	✓
	40-1	21:28	6.43	30	8200	91.1	3.0	.00029	2924 ± 17	3071 ± 6	✓
	41-1	21:41	6.09	32	2900	31.7	-0.3	.00132	2965 ± 29	3075 ± 13	✓
	42-1	21:56	6.54	29	1400	13.3	0.2	.00084	3291 ± 45	3448 ± 13	✓
	43-1	22:10	7.26	30	11000	190	3.5	.00125	1704 ± 27	2738 ± 38	✓
	cz.2-7	22:24	6.30	28	3100	231	-0.7	.062	560 ± 9	531 ± 35	✓
	44-1	22:39	6.34	29	830	10.2	0.5	.171	2813 ± 49	2941 ± 20	✓
	45-1	22:53	6.50	29	1500	14.0	0.1	.042	3343 ± 57	3436 ± 11	✓
	46-1	23:07	6.49	29	4300	48.0	0.5	.035	2952 ± 33	3080 ± 8	✓

Mount/sample No: 872 Date: 6/12/01 Page No: 4

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?
	47 -1	23:20	6.20	31	5600	63.8	0.0	.00	2897± 21	3009 ± 5.8	✓
	48-1	23:34	6.57	29	2700	30.3	0.6	.012	2857± 36	2991± 9.5	✓
	CZ. 2-8	23:49	6.59	28	3100	238	0.5	.04	501 ± 5.2	505± 34	✓
	49 -1	00:03	6.25	32	13000	241	5.3	.117	1920± 52	3032 ± 18	✓
	50 - 1	00:17	6.15	31	2000	24.0	-0.7	.0152	2842± 33	2926 ± 14	✓
	51 - 1	00:32	6.67	28	3000	33.9	0.3	.025	2932± 29	3079± 8.3	✓
	52 -1	00:46	7.02	29	12000	234	22.3	.144	1654± 6	3016± 94	✓
	53 - 1	01:00	6.09	30	2800	20.5	0.3	.035	3295 ± 49	3437 ± 9	✓
	CZ. 2-9	01:15	6.43	27	30000	241	0.5	.032	541± 3.5	521± 22	✓
	54 - 1	01:29	6.12	29	11000	140	3.0	.085	2525± 13	2994 ±5.7	✓
	55 - 1	01:43	6.19	31	930	9.1	1.4	.427	3274± 61	3369± 18	✓
	56 - 1	01:57	6.35	29	6300	68.3	1.1	.026	3000 ± 21	3475± 5.8	✓
	57 -1	02:12	6.11	31	7700	84.2	-0.2	.013	3029± 21	3191± 7	✓
	58 - 1	02:26	6.18	30	4600	46.4	2.1	.070	3278± 29	3429 ± 8	✓
This is an unknown! It looked like CZ3!	CZ. 3-1	02:41	6.26	30	32000	34.0	0.4	.039	30 94± 48	3397 ± 7.6	✓
	59 -1	03:11	6.30	30	4500	55.0	0.4	.024	2769± 22	2924± 7.6	✓
	60 -1	03:25	6.55	29	9000	103.4	0.9	.030	2892± 18	3074± 4.8	✓
	61 -1	03:41	6.23	30	2200	25.2	0.9	.118	2953± 31	3073± 10	✓
	62 -1	03:54	6.39	28	4900	62.6	0.4	.021	2747± 34	2928± 7.3	✓
	63 -1	04:09	6.07	31	5000	73.4	2.2	.124	1972± 16	3007± 8.9	✓
	CZ. 3-1a	I was eating and forgot to fill this in.					~ 02	55			
	CZ. 3-2	4:26	6.15	30	2300	232	-0.4	.136	522 ± 4	557± 25	✓
	64 -1	04:41	6.47	30	66.00	91.2	2.2	.099	2393± 46	3010± 35	✓
	65 - 1	04:54	6.20	30	1300	147	0.3	.016	2966± 13	3134± 4.4	✓
	66 -1	05:08	6.37	29	11000	180	6.5	.161	2259± 31	3389 ± 10	✓

Mount: B72 Date: 7/12/01 Page No.: 5

Rejection over-ride	Sample	Time	U0/U	196 Kcps	206 cps	Uppm 206 ppb	204/206 %	f206 %	Age ±1σ (Ma) 206/238	207/206	offsets OK?
	67-1	05:22	6.55	30	5000	97.1	4.7	.285	1769±52	2949±52	✓
	68-1	05:36	6.25	30	2300	24.6	0.5	.066	385±39	3212±9.4	✓
	cz.4-1	05:50	6.39	29	3800	230	0.6	.054	526±7.6	539±31	✓
	69-1	06:05	6.37	29	2300	22.3	0.6	.079	3307±37	3463±8.9	✓
	70-1	06:19	6.71	30	11000	174	2.3	.062	2072±47	2858±47	✓
	71-1	06:33	6.20	30	5400	67.7	7.3	.376	2747±19	3147±7.9	✓
	72-1	06:47	6.52	29	3100	39.0	0.8	.075	2667±53	3094±35	✓
	73-1	07:02	6.10	28	2900	30.5	0.0	.002	3379 -INF	3453 -	✓
	cz.4-2	07:16	6.45	29	2900	232	0.1	.012	515 -	617 -	✓
	74-1	07:31	6.62	29	4400	76	01.0	.070	2011±28	2886±37	✓
	75-1	07:45	6.54	28	13000	170	0.9	.021	2626±15	3058±4.9	✓
	76-1	07:59	6.37	28	1600	16.9	0.6	.105	3193±49	3597±11	✓
	~~77-1~~										
	~~cz.5-1~~										