

UWA SHRIMP DATA LOG

Date: 19/07/02 UWA Mount No. B-03 Whose sample? Na+K Operator(s) IF + BS

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 -270
Precambrian Count time (secs): 2 3 3 7 20 5 5 3 2
Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 90/17.5 for O⁻; = 63/3.5 for O₂⁻; = 51/14 for NO⁻ *but dropping a bit*

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4900

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 = 8.170 204-bkg = 0.045 204-206 = 2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 3.5 nA Primary-CZ3 = 48 nA PESABM-CZ3 = 71 pA

Raster time (mins): 1.5 Raster aperture (microns): 50 No. of scans: 5

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<i>change to 82-1</i> CZ 811	17:16	6.56	23	2.7	cal	-ve	-ve	cal	681	✓
	CZ-534	17:38	6.40	23	2.7	recal	1.5	.13	re-cal	515	✓
	B03-39-1	17:56	6.62	20	2.5	40	2.0	.16	2993	2970	✓
	40-1	18:10	6.91	19	1.7	25	1.5	.18	3144	3172	✓
	41-1	18:25	6.50	23	1.7	21	-	-	3141	3186	✓
	42-1	18:37	6.28	23	1.1	158	6.5	.13	3082	3041	✓
	43-1	18:51	6.32	23	4.3	60	1.3	.06	3058	3080	✓
	44-1										

Hf added.

Photo 105 ↓

Mount/sample No: B-03 Date: 19/7/02 Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Offsets OK?
									206/238	207/206	
	44-1 19:00	19:04	6:40	23	3.4	70	1.5	.07	2973	2990	✓
	C2.53-2	19:18	6:36	23	2.5	235	1.3	.12	558 \pm 3	594 \pm 35	✓
	45-1	19:31	6:27	23	1.2	14	1.0	.19	3462	3432	✓
	46-1	19:45	6:56	22	3.9	55	6.4	.62	3637	3055	✓
	47-1	19:59	6:41	22	7.3	111	5.8	.17	2942	2991	✓
	48-1	20:12	6:41	22	11	166	2.0	.64	3031	3063	✓
	C2.53-3	20:26	6:42	23	2.5	235	0	0	557 \pm -	608-	✓
	49-1	20:39	6:59	14	2.9	92	4	.12	3098	2992	✓
	50-1	20:53	6:41	22	2.0	28	6.5	.05	3093	3086	✓
	51-1	21:06	6:24	23	2.3	34	1.2	.11	3012	3001	✓
	52-1	21:19	6:26	22	2.8	42	2.0	.15	2986	3030	✓
	C2.53-4	21:47	6:44	22	2.3	234	-	-	555	600	✓
	53-1	21:33	6:22	22	2.9	44	1.6	.11	2967	2961	✓
	54-1	20:01	6:52	21	5.4	81	-	-	2986	3018	✓
	55-1	22:14	6:22	21	13	29	-	-	2914	2965	✓
	56-1	22:27	6:58	21	10	165	5.6	.118	2753	2987	✓
	C2.76-1	22:40	6:48	21	2.3	233	-	-	556	592	✓
	57-1	22:54	6:50	21	4.0	61	1.9	.06	2971	3059	✓
	58-1	23:07	6:33	21	6.4	105	4.7	.64	2899	2959	✓
	59-1	23:21	6:48	21	6.7	102	1.1	.03	3014	3079	✓
	60-1	23:34	6:40	40	2.2	49	1.4	.09	2975	3040	✓
	C2.76-2	00:00	6:57	21	2.3	233	-	-	544	586	✓
	61-1	23:47	6:32	21	1.6	35	-	-	3048	3127	✓
	62-1	00:18	6:59	20	3.7	61	-	0.0	2932	3043	✓
	63-1	00:37	6:37	21	1.3	206	0.4	0.01	2910	3009	✓

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?
	C2.76-3 64-1	00:50	6:34	21	4.0	69	-	-	2875 2990		✓
	65-1	01:03	6:35	20	1.3	19	0.7	.10	3133	3161	✓
	C2.76-3 66-1	01:18	6:36	21	2.2	223	-	-	559	591	✓
	66-1	1:35	6:36	20	2.7	43	-	-	3116	3100	✓
	67-1	1:49	6:56	20	4.3	71	1.3	.06	2900	3020	✓
	68-1	2:02	6:42	20	3.8	61	1.1	.06	3015	3095	✓
	69-1	2:15	6:53	20	5.7	92	5.2	.18	2982	3054	✓
	70-1	2:28	6:32	20	3.5	61	0.8	.04	2828	2964	✓
	C2.76-1 2.47 71-1	2:47	6:37	18	1.9	231	-	-	543	598	✓
	71-1	2:56	6:52	19	3.2	51	1.4	.08	2873	2976	✓
	72-1	3:09	6:26	20	1.9	33	0.1	.01	2936	3035	✓
	73-1	3:22	6:42	19	0.99	16	1.1	.20	3055	3107	✓
	74-1	3:35	6:27	19	1.8	34	0.2	.02	2818	2950	✓
	75-1	3:49	6:43	19	3.3	57	2.0	1.1	2971	3017	✓
	C2.76-5 76-1	4:02	6:31	18	1.9	230	1.0	.09	545	561	✓
	76-1	4:17	6:59	19	6.7	117	5.7	.17	2798	2978	✓
	77-1	4:31	6:74	19	6.9	168	1.1	.02	2847	3022	✓
	78-1	4:44	6:46	17	8.2 8.5	85 85	0.8 0.8	0.08	2839	2984	✓
	79-1	4:58	6:71	18	2.6	47	1.6	.18	2851	3018	✓
	80-1	05:11	6:57	19	7.2	122	1.2	.03	2938	3064	✓
	C2.75-1 81-1	5:24	6:47	19	2.1	232	0.9	.08	551	516	✓
	81-1	5:38	6:54	19	2.3	58	0.5	.03	2797	2962	✓
	82-1	5:52	6:51	18	2.5	67	1.8	.09	2811	2956	✓
	83-1	6:05	6:59	19	3.8	57	1.1	.05	3243	3352	✓
	84-1	6:21	6:43	19	4.0	75	3.1	.15	2763	2929	✓

