UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
4/10/00	A-31,33,32	JP	IF + JP

Indicate any change to the following:

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

Steel: Wein volts / nA = ... for O^-; = ... for O_2^-; = ... for NO^-

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5205

aperture = 30 microns retardation lens = 10014 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 = 10.166 204-bkg = 0.045 204-206 = 1.998

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 0.3 nA Primary-~~CZ3~~ xtc = 0.4 nA PESABM-CZ3 = ✓ pA

Raster time (mins): 2 Raster aperture (microns): 70 No. of scans: 6

Comments: Problems with stage vibration in mount position 1 – several xtc spots one u/s.

xtc is on A-12 in left mount.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 /Kcps	U ppm	204Pb cps	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	xtc.20-1	12:33	10.25	30.6	43.	~~220~~	0.0	0.00	.0928	2652	✓
	xtc.20-2	12:59	9.94	30.2	32.	173	0.0	0.00	.0903	2635	✓
	174.1a	14:06	2.09	34.2	2.1	16.8	0.0	0.06	.0636	2029	✓
	174.2a	14:36	9.16	34.9	2.9	24.7	0.1	0.04	.0621	2046	✓
	182.1a	15:18	9.10	35.7	4.2	27.3	0.1	-ve	0.0711	2048	✓
Low counts	182.1b	15:37	10.1	13.2	2.6	35.4	0.4	0.11	~~.0756~~	2049	✓
Scan 1	xtc.24-1 (22)	16:~~21~~ 12	5.02	9.65	6.6	1150	0.3	.06	~~.0758~~ 0.0702	2627	✓
	174.3a	16:38	8.63	16.5	1.4	27.1	0.1	0.05	0.0682	2078	✓

Mount/sample No: A-31 **Date:** 4/10/00 **Page No:** 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb ~~ppb~~ cps	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	174.4a	17:01	8.92	22.0	2.2	29.0	0.1	.025	.070	2150	✓
	174.5a	17:26	8.98	21.8	1.9	26.0	0.0	.024	.071	2061	✓
	174.6a	17:48	9.57	23.8	2.3	25.2	0.0	.001	.067	2076	✓
	174.7a	18:10	9.21	21.8	0.96	13.4	0.0	.025	.066	2058	✓
	174.8a	18:35	8.98	36.0	2.7	22.8	0.0	.003	.062	2089	✓
	xtc.22-2	19:01	5.16	9.9	10.5	159	0.0	.005	.068	2656	✓
	xtc.22-3	19:24	5.73	15.1	8.2	585	0.1	.024	.068	2635	✓
	171.1a	19:48	8.96	38.2	1.6	152	0.1	.012	.065	2098	✓
	171.2a	20:10	8.86	40.	3.5	24.2	0.1	.008	0.065	2058	✓
	172.1a	20:33	8.62	34.2	3.0	35.9	0.0	.008	.061	2072	✓
	172.2a	20:55	8.84	38.8	4.2	34.7	0.1	.026	.067	2058	✓
	xtc.23-4	21:26	5.42	13.2	11.0	899	0.2	.023	.076	2596	✓
(20)	xtc.24-1a	22:05	9.98	31.1	64	250	0.1	.00	.099	2623	✓
	Spotted to A-33										
	xtc 24-2	23:04	9.56	36	29	145	0.1	.00	.089	2662(↓)	✓
	112.1a	23:54	8.18	26	.6	7.7	0.5	1.3	.059	1963	✓
	112.1b	00:14	7.74	16	.4	10.5	0.2	.94	.054	1999	✓
	114.1a	00:42	7.96	29	2.6	11.9	0.7	.39	.063	2123	✓
	114.1b	01:02	5.0	5.6	7	10.5	1.1 *	2.3	.050	2067	✓
→	114.2a	1:24	5.8	33	1.4	27.8	0.6	.53	.077	1982	✓
(21)	xtc.24-3	2:12	9.4	37.9	46	226	0.2	.005	.101	2637	✓
(22)	xtc.24-4	2:35	10.2	31	64	265	0.1	.003	.103	2630	✓
	113.1a	3:25	8.8	42	0.5	3.5	0.1	.037	.071	1875	✓
	173.1a	3:58	9.2	38	4.1	36	0.1	.004	.065	2055	✓
	173.2a	4:23	8.6	32	2.6	27	0.1	.04	.062	2053	✓

Might need to cont.

Need 2 cont.

Scan 1

Change to A-32 ? Step in ?

Mount/sample No: A-32 **Date:** 5/10/00 **Page No:** 3

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	173.3a	4:45	8.8	35	2.6	25	0.1	.053	.060	2066	✓
	173.4a	5:07	8.9	35	3.0	29	0.1	0.004	.062	2063	✓
(22)	ztc.24-5	5:30	9.6	30	53	293	0.1	.00	.096	2625	✓
(22)	ztc.24-6	5:57	9.1	26	43	363	0.1	.00	.092	2620	✓
	185.1a	6:20	8.9	36	2.0	16	0.2	.12	.066	2072	✓
	185.2a	6:42	8.8	35	3.0	28	0	.01	.063	2059	✓
	185.3a	7:05	9.1	33	1.5	12	0.1	.06	.062	2076	✓
	ztc.24-7	7:30	10.3	29	60	302	0.1	.00	.100	2616	✓
	ztc.24-8	7:53	10	29	57	278	0.2	.00	.099	2618	✓
different grain →	~~Scan~~ ztc.24-9	~~8:15~~	4.5	8.5	6.4	1990	0.1	.03	.075	2597	✓
	ztc.24-10	8:38	10.	31	68	286	0.1	.00	.108	2629	✓