UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
13/10/02	C72+73	Dan. U.	IF+DV

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*	30/40*	10	5	5	2	
Phanerozoic*	Delay time (secs):	8	3	1	2	1	1	3	2	2	

Steel: Wein volts / nA = 85/1.7 for O^-; = 58/0.36 for O_2^-; = 47/1.8 for NO^-

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 5330

aperture = 30 microns retardation lens = 9996 volts (= HT)

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 = 10.180 204-bkg = 0.045 204-206 = ~2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 0.036 nA Primary-MG1 = 0.48 nA PESABM-CZ3 = 94 pA

Raster time (mins): 1.5 Raster aperture (microns): 40 No. of scans: 7

Comments: follows Barger C62+63 ; Stds on same mount – ie. can use Stds from yesterday

MG1-3-1	MG1	4
BSL-2-1	BSL	1
XL1-1-7	XENO1	2
XL1-1-1	XENO2	1

each mount

(2-1 in file) ↓ C-72

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U (254/238)	196 Kcps	206 Kcps	UO ppm (254 Kcps)	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	MG1.3-1	10:05	9.6	57	0.30	5.5	0		0.80	0.051	✓
	17b-1	10:41	9.1	46	0.83	5.9	1.7		1.28	0.126	✓
	XL1-7	10:07	9.7	47	15.0	125.	0.1		1.17	0.072	✓
	17c-1	11:34	10.45	43	1.16	5.5	0.7		2.21	0.098	✓
	3a-1	12:03	9.46	44	0.39	2.1	0.3		1.72	0.099	✓
	6b-1	12:30	9.10	44	0.89	6.13	0.1		1.32	0.097	✓
	8a-1	13:00	11.8	17.8	8.2	119	0.3		0.81	0.0956	✓ a Hard 204
	mG-1.1-1	13:27	9.77	57	0.44	8.9	0.0		0.48	0.055	

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Date | UWA Mount No. | Whose sample? | Operator(s)

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 = ... for O^-; = ... for O_2^-; = ... for NO^-

dead-time = ... nanosecs expected resolution = >4200 actual resolution = ...

aperture = ... 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 = ... 204-bkg = ... 204-206 = ...

206-207 = ... 206-208 = ...

Primary-epoxy = ... nA Primary-CZ3= ..... nA PESABM-CZ3 = ... pA

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

Comments:

94591

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U (254/238)	196 Kcps (194)	206 kcps	U ppm (254 kcps)	204Pb ppb (cps)	f206 %	Age ±1σ (Ma) 206/238	Age ±1σ (Ma) 207/206	Offsets OK?
	15a-1	13:59	9.6	39.6	9.5	65.5	0.1		1.397	0.093	✓
	14a-1	14:47	10.18	34.4	5.3	67.7	0.4		0.8	0.085	✓
	14a-2	15:23	8.42	6.8	0.99	34.7	1.3		0.24	0.089	✓
	8a-1	15:53	9.46	37.	4.8	71.4	0.1		0.63	0.076	✓
	x1.1-8	16:21	9.7	[illegible] (50.9)	16.7	139	0.1		1.168	0:07	✓
	12a-1	16:55	9.24	27.6	3.9	60.1	1.3		0.61	0.078	✓
	11a-1	17:23	10.6	47.6	0.6	3.7	0.2		1.72	0.099	✓
	BS.2-1	17:51	9.45	52.	0.06	1.1	0.0		0.5	0.058	✓

UWA SHRIMP DATA LOG

Date | UWA Mount No. | Whose sample? | Operator(s)

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 = ... for O^-; = ... for O_2^-; = ... for NO^-

dead-time = ... nanosecs expected resolution = >4200 actual resolution = ...

aperture = ... 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 = ... 204-bkg = ... 204-206 = ...

206-207 = ... 206-208 = ...

Primary-epoxy = ... nA Primary-CZ3= ..... nA PESABM-CZ3 = ... pA

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

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	254/238 UO/U	196 Kcps	206 cps	254 U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	12b-1	18:28	7.5	44.7	0.37	2.7	0.3		1.02	0.104	✓
	14d-1	18:58	10.2	42.2	0.94	5.5	1.1		1.73	0.113	✓
	MG1.4-2	19:26	9.84	45.1	0.36	6.6	0.1		0.53	0.056	✓
	XENO2	19:50	9.12	53.6	0.75	7.98	0.1		0.86	0.067	✓
	14d-2	20:18	10.34	47.8	0.83	4.38	0.0		1.96	0.098	✓
	17a-1	20:58	8.68	47.2	1.33	8.36	0.0		1.38	0.099	✓
	17b-2	21:30	8.97	48.7	0.7	6.6	0.2		0.95	0.097	✓
	MG1.5-1	22:17	9.24	62.3	0.4	8.98	0.1		0.446	0.055	✓

labelled in file

C72 ↑ / C73 ↓

Sample ID	Time	238		206		206/238	207/206	Offsets OK?
C7310e-1	22:46	8.12	43.54	1.5	10.0	1.4	1.25	0.106	✓
16a-1	23:15	8.28	47.7	0.98	27.6	0.9	0.29	0.101	✓
13a-1	23:49	6.77	40.0	0.9	736	3.2	0.84	0.144	✓
11c-1	00:21	8.04	47.6	0.79	6.9	0.3	0.92	0.103	✓
BS1.3-1	00:45	9.80	55.94	0.22	4.2	0.0	0.51	0.053	✓
X1.1-9	01:10	9.87	49.2	16.46	135.5	0.3	1.198	0.072	✓
9a-1	02:35	8.0	47.45	0.74	6.9	0.2	0.86	0.1008	✓
9a-2	02:58	7.89	41.64	0.41	16.4	0.7	0.199	0.1024	✓
7b-1	03:29	7.85	35.1	1.33	7.5	0.1	1.38	0.096	✓
7b-2	03:59	5.76	21.8	0.948	7.2	0.2	0.76	0.099	✓
		8.9	51.36	0.55	4.7	0.2	1.05	0.096	✓
9b-1	04:34								
MG1.3-2	04:59	9.5	64.2	0.35	7.1	0.0	0.47	0.056	✓
XE02.1-2	05:24	9.45	56.9	0.37	4.3	0.1	0.81	0.062	✓
3b-1	06:08	6.9	32.98	0.849	7.3	0.3	0.805	0.104	✓
15a-1	06:35	8.6	44.36	0.943	7.7	0.1	1.051	0.101	✓
			60.08	0.31	60	0.0	0.518	0.054	✓
MG1.3-3	07:23	10.14		18.4	143.2	0.2	1.32	0.071	✓
X1.1-10	07:48	10.25	52.97						
16A-2	08:34	7.0	42	0.97	38	1.0	0.18	0.095	✓

↑ C73