

03-57

UWA SHRIMP DATA LOG

Date: 14/14/03 UWA Mount No.: 03-39 Whose sample?: Daniela Operator(s): IA + JV

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	2	2
Phanerozoic*	Delay time (secs):	8	3	1	2	1	1	3	2	2

Steel: Wein volts / nA = $-70/1.6$ for O⁻; = $-47/0.36$ for O₂⁻; = $-38/0.50$ for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 6600

aperture = 30 microns retardation lens = $HV + \sim 5$ 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 = 10.170 $8.17??$ 204-bkg = 0.045 204-206 = ~ 2.000

206-207 = 1.0014 206-208 = 1.00047 206-208 2.002

Primary-epoxy = ~ 0.32 nA Primary-CZ3 = 0.41 nA PESABM-CZ3 = 8.0 pA

Raster time (mins): 3 Raster aperture (microns): 40 No. of scans: 7

Comments: Stds on SPS-3 (see sheet) Stds 6xMGI 2
2xBS-1 1
4-6xXI 2

All MGI is BS-1 "MGI" => "BSI-1"

"BSI" => "BSI-2"

and NV's is "BSI-3" in SQUAD (Relabelled)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	UO ppm Kcps	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	MGI-1-1	13:30	10.17	390	190	3.0	0.09	0.34	0.657	~375	✓
	XI-1-1	14:05	9.9	37	16K	110	0.13	0.01	1.372	1003	✓
	BSI-1-1	14:31	10.3	38.3	77	1.2	0.2	0.009	0.55	~430	✓
	K39h10-1	15:02	10.2	32.6	4.7	16.7	0.8	0.006	0.48	~1800	✓
	K39h11-1	15:32	9.7	33.1	3.0	13.5	2.3		2.16	0.12	✓
	K39h15	16:03	9.15	37.4	795	4.1	0.4		1.75	0.11	✓
	K39h15b	16:24	8.5	41.0	803	4.2	0.1		1.6	0.11	✓
	K39h16	16:44	9.6	30.7	281	7.1	0.1		1.72	0.11	✓

added ZrO₂ peak to runtable

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ²⁵⁴ ₂₃₉ Kcps	196 Kcps	206 cps	UO ²³⁹ ₂₃₉ ppm	204Pb ₂₀₄ ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	KS39hl-6b	17:10	8.89	33.1	1450	8.2	0.2	1.57	0.11	✓
	KS39hl-7a	17:35	8.12	37.9	438	3.2	1.1	1.12	0.12	✓
	KS39hl-7b	18:06	8.27	38.8	411	2.8	0.7	1.22	0.12	✓
	KS39hl-8a	18:36	8.28	36	1521	8.2	2.7	1.53	0.13	✓
	KS39dl-2	19:29	8.37	26.9	2846	11.5	0.1	2.07	0.11	✓
	KS39fl-2	19:55	8.01	46.0	1281	8.1	0.6	1.27	0.11	✓
	KS39fl-2b	20:23	7.8	45.9	1288	8.1	0.4	1.24	0.11	✓
	KS39dl-2b	20:44	8.36	30.0	2566	13.2	0.2	1.6	0.11	✓
	KS39dl-3	21:14	9.77	34.2	3345	14.8	0.2	2.21	0.11	✓
	MG1-1-2	21:39	10.8	40.4	2226	3.5	0.1	0.69	0.06	✓
	BS1-1-2	22:03	9.86	39.9	68.2	1.1	0.0	0.59	0.07	✓
	X1-1-2	22:28	10.96	39.4	18336	116.5	0.1	1.73	0.07	✓
sample change →	MG1-1-3	23:13	10.8	40.1	2085	3.4	0.0	0.66	0.06	✓
	X1-1-3	23:37	10.6	37.9	17353	114.7	0.2	1.6	0.07	✓
labelled it dv57hl-1	dv57al-1	00:10	11.6	28.1	7702	50.3	0.6	1.77	0.11	✓
	dv57al-2	00:37	11.3	25.4	6383	30.8	1.2	2.34	0.11	✓
	dv57bl-1	01:04	7.6	22.3	510.8	3.6	2.5	1.08	0.16	✓
	dv57hl-1	01:40	10.2	14.7	5224	17.8	0.8	3.01	0.11	✓
	dv57hl-2	02:05	9.9	17	412	16.5	1.6	2.89	0.12	✓
	dv57hl-3	02:48	8.52	23.9	4122	17.3	3.2	2.04	0.13	✓
	dv57ml-1	03:14	10.4	36.1	30989	76.2	0.8	4.23	0.17	✓
	dv57-L	03:47	32.6	27.7	24 24	31.8	0.5	0.66	0.13	✓
	dv57il-1	05:03	7.8	33.5	8608	4160	0.7	1.62	0.14	✓
	dv57hl-1	05:29	8.9	31.3	10463	35.9	0.3	2.59	0.14	✓
	dv57hl-1	06:01	8.8	20.1	2980.5	13.5	2.2	1.95	0.16	✓

magnet dropped out had to re

