

UWA SHRIMP DATA LOG

Date: 13/9/02
 UWA Mount No.: C 62, C 63, B 82, A 49
 Whose sample?: Dan. V.
 Operator(s): IFRDV

Indicate any change to the following: 196¹⁴⁶ 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 2 10 10 10/20* 40/10* 10 5 5 2 2 2
Phanerozoic* Delay time (secs): 8 1 3 1 2 1 1 1 1.5 1.5 2

Steel: Wein volts / nA = 87/2.0 for O⁻; = 59/0.54 for O₂⁻; = 48/1.25 for NO⁻
 dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4800
 aperture = 30 microns retardation lens = 10001 volts (HT+5)
 Expected offsets (amu): 196-204 = 0.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000
 Actual: 196-204 = 10.170 204-bkg = 0.045 204-206 = ~2.000 (±3)
 206-207 = 1.000 206-208 = 2.000 constant 0.043
 Primary-epoxy = 0.54 nA Primary-CZ3 = 0.7 nA PESABM-CZ3 = 9.2 pA
 Raster time (mins): 2 Raster aperture (microns): 35 No. of scans: 6

Comments: 30 um, Retard, etc.
 Main set of Stds on B-69 spots recorded on photocopy.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 ¹⁴⁶ Kcps	206 kcps	U ²³⁵ ppm	204Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma)	Offsets OK?
						Kcps	cps		206/238 207/206	
	MG1.1-1									✓
	XENO1.1-1									✓
	BS1.1-1	12:51	9.47	51.7	0.01	2.84	0.1		0.03 0.05	✓ 5.5
	CG201-1	13:59	7.28	18.69	2.732	16.3	1.3		1.22 0.114	✓ 12
	CG201-1a	14:34	8.09	33.97	2.996	16.5	0.0		1.47 0.115	✓ 4.7
	x t c l - 1 b	15:14	9.25	47.6	37.6	85.1	0.0		4.09 0.176	✓
	CG201-2a	15:45	9.24	27.9	2.32	11.8	0.0		1.814 0.118	✓ 1.99
	CG201-1a	16:20	5.48	9.4	0.61	30.6	0.0		0.11 0.124	

no prints

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?
	MG1-1-2	17:28	8.76	56.3	0.66	11.02	0.0		0.525	0.056	✓
	C63e-1	18:40	6.6	31.64	4.5	389	0.0		0.77	0.139	✓
	xtcHe										
	C63e-2	19:07	8.91	15.99	3.5	8.95	2.0		1.655	0.255	✓
	— HV off → Side stage										
	MG1-1-3	21:30	8.46	56.98	0.599	10.582	0.0		0.48	0.056	✓
	A49a1-1	22:02	7.97	29.83	0.499	2.795	0.1		1.42	0.097	✓
	A49a1-2	22:31	9.07	47.5	5.01	24.1	0.2		1.89	0.102	✓
	MG1-1-4	01:28	9.33	50.46	0.69	10.45	0.0		0.553	0.053	✓
	XENO1-1	20:53	9.26	46.61	11.721	84.26	0.0		1.31	0.071	✓
	A49a1-3	02:19	8.02	4.78	5.78	3.49	0.5		1.47	0.099	✓
	A49b1-1	02:50	9.34	46.07	1.413	8.98	0.2		1.47	0.108	✓
	MG1-1-5	03:13	9.44	49.82	0.71	11.13	0.0		0.599	0.056	✓
	A49b1-2	03:38	9.44	50.72	1.156	6.57	0.2		1.66	0.1058	✓
	MG1-1-6	04:00	9.46	48.5	0.7	11.76	0.0		0.57	0.055	✓
	A49b1-3	04:23	9.73	44.5	9.65	39.4	0.3		2.381	0.106	✓
	A49b1-4	04:44	8.17	47.56	3.579	15.915	0.0		0.225	0.1006	✓
	MG1-1-7	07:36	9.22	51.67	0.64	10.76	0.0		0.55	0.056	✓
	B82B	08:58	9.27	44.89	4.49	19.27	0.0		2.16	0.1004	✓
	B82C	09:39	7.63	25.64	5.11	23.2	68.5		1.68	0.225	✓
	B82E	10:03	7.73	27.35	4.35	30.97	9.8		1.086	0.136	✓
	xtc1-1d	10:24	9.92	38.5	34.5	74.5	0.1		4.596	0.175	✓

10:30pm communication error, re-set machine

trim mass plot

settles slowly both line still erratic