

UWA SHRIMP DATA LOG

Date: 10/4/03 UWA Mount No.: 03-02 Whose sample?: DU Operator(s): DU / TRF / MB

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 2 10 10 10/⁴⁰~~20~~* 30/10* 10 5 5 2
 Phanerozoic* Delay time (secs): 8 8 3 1 2 1 1 2.5 2 2

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4763

aperture = 30 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 = 10.168 204-bkg = 0.045 204-206 = ~2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-~~CZ3~~^{MGI} = 0.57 nA PESABM-CZ3 = 12 pA

Raster time (mins): 2.0 Raster aperture (microns): 30µm No. of scans: 6

Comments: XENO1 4 |||
 MGI 3 |||
 BS-1 1 or 2 |

Rejection over-ride	Sample/ Std ID	Time - printout	254/238 UO/U Kcps	196 Kcps	206 Kcps	254 U ppm	204Pb ppt	f206 %	Age ± 1σ (Ma) 206/238	207/206	Offsets OK?
	MGI-1-6	03:14	8.90	89.2	0.9	15.9	0.2		0.51	0.0575	✓
¹⁰ drop off	XENO1-1-5	03:35	9.14	75.6	25.1	180.3	0.3		1.276	0.072	✓
"	XENO1-1-6	03:57	9.36	76.2	25.0	174	0.3		1.34	0.072	✓
"	MGI-1-7	04:18	8.92	90.9	1.02	17.4	0.0		0.52	0.054	✓
¹⁰ drop off a little	0302F-1	05:02	8.65	35.4	3.95	14.7	6.8		2.33	0.13	✓
"	0302D-1	05:29	8.64	92.7	7.8	33.5	0.0		2.01	0.103	✓
	0302E-1	05:56	8.4	62.7	11.3	41.5	0.2		2.295	0.132	✓
	0302G-1	06:22	8.63	72.5	21.8	59.67	2.2		3.15	0.174	✓

Rejection over-ride	Sample/Std ID	Time - printout	254/238		254		204Pb	f206 %	Age ± 1σ (Ma)		Offsets OK?
			UO/U	196 Kcps	U	ppm cps			206/238	207/206	
	0302H1	06:47	8.8	70.3	55	171.7	1.7		2.83	0.159	✓
	0302H2	07:11	8.55	71.3	46.4	119.7	1.3		3.316	0.156	✓
	0302C1	07:45	7.7	52.6	4.2	22.1	2.2		1.48	0.103	✓
	0302B1	08:22	10.58	94.7	6.1	396	1.3		0.165	0.1083	✓
	0302A1	09:01	8.41	61.7	2.98	12.4	1.2		2.04	0.116	✓
	0302A2	09:42	7.46	65.7	1.98	10.4	3.9		1.42	0.13	✓
	0302I1	10:10	7.61	77.9	6.4	35.4	0.5		1.38	0.092	✓
	MG1.1-8	11:03	9.3	101.7	1.1	17.4	0.2		0.58	0.058	✓
	BS1.2-1	11:25	9.29	84.5	0.5	7.6	0.3		0.63	0.057	✓
	XENO1.1	7:12:00	9.27	84.3	26.3	187.4	0.1		1.32	0.07	✓
	0301AH	12:33	10.8	47.8	22	45.2	2.6		5.27	0.17	✓
	0301A1-2	12:55	9.12	82.2	29.6	73.5	1.1		3.67	0.168	✓
	0301G1-1	13:45	8.01	75.5	15.9	59.3	8.5		2.14	0.173	✓
	0301H1	14:23	8.32	81.5	13.8	63.8	0.7		1.8	0.11	✓
	0301H2	15:01	7.98	76.7	3.6	15.8	3.1		1.82	0.14	✓
	0301E1	15:26	11.13	80.2	53.6	183.5	1.3		3.25	0.13	✓
	0301G2	16:37	7.50	70.6	16.9	60.8	8.7		2.089	0.17	✓
	0301B1	17:02	8.29	47.9	5.9	47.2	5.2		1.03	0.089	✓
	XENO1.1-8										

Sample change