

follows
 Carl Y
 C-78 etc

XENO

UWA SHRIMP DATA LOG

Date: 19/10/03
 UWA Mount No.: 03-53, 03-61
 Whose sample?: Noreen
 Operator(s): (A+MB)

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 5² 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻
 dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4840
 aperture = 30 microns retardation lens = HV + 23 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 = 8.170 204-bkg = 0.045 204-206 = ~2.000

206-207 = 1.0014 206-208 = 2.002

Primary-epoxy = nA Primary-CZ3 = 4.3 nA PESABM-CZ3 = 9.2 pA

Raster time (mins): 2 Raster aperture (microns): 30 No. of scans: 7

Comments: Stds on SPS-3 MGI x6
 1^o Refocused between sessions (smaller, less Kohler spot) so expect some cal-shift from 18/10. BSI x2
 XENO x4

*
 START ON
 03-53

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	UO ppm Kcps	204Pb ppb cps	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	M61.1-1	09:41	9.07	52	460	8.4	0.1	<100	0.5000	546 ± 57 ✓
	X1.1-5	10:07	8.87	44	18000	130	0.1	0.03	1.23	999 ± 11 ✓
	Q.1-1	10:39	7.67	41	4000	1.3	3.0	1.16	2.33	2645 ± 18 ✓
	M61.1-2	11:47	9.02	52	430	7.8	0.2	<100	0.5000	539 ± 65 ✓
	0.4-1	12:17	8.33	40	6600	20	9.1	2.20	2.79	2625 ± 29 ✓
	0.4-1b	12:37	6.16	26	4400	16	7.2	2.62	1.63	2651 ± 36 ✓
	X1.1-6	13:01	9.10	44	18000	130	0.0	0.006	1.28	988 ± 8 ✓

Shant raster
 Number carrying on from yesterday's session. (JP for CY) For XENO ONLY computer froze

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	1964 Kcps	206 cps	U ²³⁵ ppm Kcps	204pb ppb cps	f ²⁰⁶ %	Age ±1σ (Ma) 206/238 207/206		Offsets OK?
	P.1-1	13:27	8.64	43	9500	27	9.3	0.98	3.08	2668±43	✓
	P.1-1b	13:46	7.59	37	5600	18	4.0	1.12	2.31	2643±76	✓
	M6.1-3	14:10	9.11	54	460	8.5	0.1	0.134	0.51	522±69	✓
	H.1-1	14:38	8.62	37	480	1.4	0.2	0.574	2.85	2649±27	✓
	BS1.1-1	15:31	9.11	46	230	3.7	0.1	0.02	0.56	595±146	✓
	G.1-1	15:56	8.55	38	260	0.75	0.2	0.86	2.95	2582±40	✓
	G.1-1b	16:16	8.19	36	270	0.79	0.1	0.78	2.84	2582±33	✓
	X1.1-7	16:39	9.31	44	18000	120	0.2	0.011	1.34	993±6	✓
	B.1-1	17:07	8.85	34	290	0.85	0.2	1.01	2.98	2592±35	✓
	B.1-1 (b)	17:44	8.30	24	200	0.63	0.1	0.557	2.69	2547±43	✓
	M6.1-4	18:07	8.95	53	480	8.8	0.1	0.02	0.49	549±108	✓
	E.1-1	18:34	8.78	42	350	1.1	0.1	0.02	2.89	2642±20	✓
	E.1-1b	18:54	8.47	40	330	1.1	0.1	0.02	2.66	2658±27	✓
	M6.1-5	19:20	8.60	52	470	8.5	0.0	0.02	0.50	432±56	✓
	E.2-1	19:49	8.53	40	310	0.98 0.78	0.1	0.538	2.66	2574±33	✓
	E.2-1 (b)	20:08	8.41	26	290	0.76	0.1	0.48	3.18	2654±26	✓
	X1.1-8	20:35	9.49	42	17000	120	0.1	0.009	1.38	994±7	✓
	C.1-1	21:04	8.26	71	860 270	2.4	0.6	1.05	2.93	2581±28	✓
	C.1-1b	21:27	7.37	35	860 270	0.27	0.4	0.74	2.40	2618±19	✓
	M6.1-6	21:52	8.82	51	450	8.3	0.1	0.02	0.47	568±90	✓
	K.1-1	22:20	8.28	35	210	0.62	0.3	1.88	2.83	2561±60	✓
	K.1-1b	22:41	8.90	32	190	0.57	0.1	0.90	2.96	2556±51	✓
	M6.1-7	23:14	8.98	51	450	8.3	0.1	0.27	0.47	388±74	✓

*Note: Unknown NOT standard!

Computer froze after reset went to another unknown, but could not use Y peak to find grain (for some reason?) so went back to standard.

*Note: very low 238, may have lost peak on last scan???

Half error, lost control of 1σ. Fixed by reletting.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm Kcps	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	H.1-15	00:00	8.51	28	340	1.0	0.3	0.63	2.75 2599±89	✓
SAMPLE CHANGE →										
03-53 out										
03-61 IN										
	X1.1-9	00:47	9.76	40	17000	120	0.1	0.004	1.43 1003±5	✓
	M6.1-8	01:10	9.23	47	630	11	0.1	0.086	0.51 434±50	✓
	F.1-1	01:43	7.17	26	3800	14	6.8	2.87	1.90 2641±18	✓
	B.2-1	02:10	8.83	36	6900	19	15	3.44	3.15 2646±32	✓
	M6.1-9	02:40	9.29	46	670	12	0.1	0.06	0.52 494±19	✓
	A.3-1	03:22	8.72	33	11000	30	8.9	1.35	3.05 2651±19	✓
	A.3-1b	03:40	8.25	33	8800	26	5.4	0.968	2.73 2637±7	✓
	X1.1-10	04:03	9.84	37	15000	10	0.1	0.017	1.47 994±7	✓
	M6.1-10	05:01	9.49	44	460	8.2	0.0	0.104 0.53	0.53 472±47	✓
	A.3-1c	05:35	8.38	25	5000	15	2.4	0.84	2.83 2637±8	✓
	G.1-1	06:21	8.39	39	2000	6.1	2.1	1.58	2.81 2612±22	✓
	G.1-1b	06:40	8.32	22	1300	3.6	0.6	0.75	2.92 2674±340	✓
	BS1.1-2	07:06	8.86	38	190	3.0	0.1	0.102	0.55 748±124	✓
	D.1-2	07:32	8.68	34	6500	18	4.0	0.98	3.09 2660±27	✓
	D.1-2b	07:50	8.37	37	5900	18	3.7	0.968	2.80 2665±7	✓
	M6.1-1	08:13	9.21	49	400	7.3	0.1	0.102	0.50 622±108	✓

SAMPLE CHANGE →
03-53 out
03-61 IN

lost some peaks during attempted analysis of A.2 back to stand not to reanalyze →

* Need to add suffix "c" to this analysis name (Sorry!)