

**UWA SHRIMP DATA LOG**

Date: 10/9/99      UWA Mount No.: 99-44      Whose sample?: McN      Operator(s): McN / AR

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

~600 nA

**Precambrian** Count time (secs): 2   10   10   ~~10/20~~<sup>20</sup>   ~~30/10~~<sup>20</sup>   10   5   5   2  
**Phanerozoic\*** Delay time (secs): 8   3   1   2   1   1   3   2   2

Steel: Wein volts / nA = 37V/6.2 for O<sup>-</sup>; = 46V/3.4 for O<sub>2</sub><sup>-</sup>; = 70V/17.0 for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 5090

aperture = ? microns      retardation lens = 0 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 = 2.008

206-207 = 1.000    206-208 = 2.000

Primary-epoxy = 3.2 nA    Primary-CZ3 = 4.3 nA    PESABM-CZ3 = 42 pA

Raster time (mins): 1    Raster aperture (microns): 120    No. of scans: 6

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238    207/206	Offsets OK?
	S/ 1-1	12:54	6.25	14.7	1773	220	0.9	.08	572±1    509±31	✓
	S/ 1-2	13:15	6.13	15.7	1723	214	2.8	.25	570±1    458±32	✓
	A. 1-1	13:33	5.66	16.7	1067	170	2.3	.26	544±1    484±55	✓
	A. 1-2	13:50	5.71	16.7	780	119	0.8	.13	557±2    537±55	✓
120	S/ 1-3	14:07	6.11	14.6	1628	225	1.8	.16	557±1    463±32	✓
	A. 2-1	14:24	6.39	14.7	518	61	0.6	.18	561±2    463±55	✓
	A. 3-1	14:43	6.21	14.8	552	71	0.2	.07	559±2    494±99	✓
	A. 4-1	15:00	6.04	15.5	480	62	1.2	.36	586±2    369±65	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Offsets OK?
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	A5-1	15:18	6.00	14.2 <del>14.2</del>	355	55	-ve	-	547	672	✓
→ name on printout sl 944-4	sl.1-4	15:36	6.18	15.4	1764	217	0.5	.05	569	503	✓
	A6-1	15:54	6.28	15.2	3426	419	11	.50	552	552	✓
	A7-1	16:11	6.29	15.0	712	85	0.5	.11	571	530	✓
	A8-1	16:29	5.87	14.8	1782	269	6.3	.44	571	505	✓
	A9-1	16:46	6.27	14.7	1449	176	0.2	.03	577	578	✓
	A9-2	17:04	6.30	14.2	953	116	-ve	-	591	551	✓
	sl.1-5	17:21	6.05	16.0	1707	226	-ve	-	552	609	✓
	A10-1	17:39	6.00	15.0	788	116	-ve	-	544	582	✓
CORE	A12-1	17:58	6.23	15.1	2423	118	3.8	.22	1346	1320	✓
Rim	A12-2	18:15	6.00	14.6	1863	269	1.0	.01	564	541	✓
	sl.1-6	18:34	6.13	15.4	1665	216	0.7	-.06	557	610	✓
CORE	A13-1	18:53	6.08	14.5	425	59	0.9	.28	570	507	✓
Rim	A13-2	19:10	6.10	15.4	2081	267	0.9	.06	572	541	✓
CORE	A14-1	19:27	6.43	13.8	849	104	2.9	.52	563	545	✓
Rim	A14-2	19:45	5.94	15.5	567	79	0.5	.11	572	510	✓
	sl.1-7	20:02	6.04	14.8	1630	235	1.1	.09	570	581	✓
CORE	A15-1	20:20	6.17	16.0	1991	265	1.9	.14	545	553	✓
Rim	A15-2	20:37	6.03	14.5	2466	352	1.4	.07	568	523	✓
	A16-1	20:54	6.36	14.6	1435	176	1.4	.15	552	519	✓
	A21-1	21:12	6.17	15.0	407	53	1.1	.42	557	431	✓
	sl.1-8	21:29	5.99	14.9	1630	230	0.6	.05	571	572	✓
Lucy 2 man	A17-1	21:48	6.33	14.6	3115	414	1.4	.07	520	460	✓
	A22-1	22:10	6.32	14.5	876	110	0.9	.16	553	542	✓
	A23-1	22:29	6.14	15.3	574	75	2.0	.52	552	400	✓

