

UWA SHRIMP DATA LOG

Date: 28/10/99 UWA Mount No.: 99-29 Whose sample?: Doyle Operator(s): MUN + MD

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 5 2  
 Phanerozoic\* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 269/20.0 for O<sup>-</sup>; = 1753/3.2 for O<sub>2</sub><sup>-</sup>; = 138/6.2 for NO<sup>-</sup>

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5160

aperture = 100 microns retardation lens = 9 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 = 8.165 204-bkg = 0.045 204-206 = 2.001

206-207 = 1.000 206-208 = 1.999

Primary-epoxy = 2.9 nA Primary-CZ3 = 3.9 nA PESABM-CZ3 = 35 pA

Raster time (mins): 1 Raster aperture (microns): 45 No. of scans: 4

Comments: changed to new software. ∴ delay in starting time of 1st anal.

A = 20676

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?
	S1.5-1	1:07	6.27	12	1100	238	1.4	.12	571 ± 5 593 ± 102	✓
	S1.5-2	1:22	6.49	12	1100	241	0.2	.06	574 ± 5 417 ± 58	✓
	A.1-1	1:43	6.11	13	60	29.5	-2.0	3.15	267 ± 16 1080 ± 1015	✓
	A.2-1	1:58	6.72	12	510	209	-2.2	2.26	291 ± 3 381 ± 168	✓
	S1.5-3	2:19	6.30	12	1100	233	-1.1	0.19	570 ± 6 665 ± 73	✓
	A.3-1	2:51	6.43	12	710	208	7.5	1.03	405 ± 4 210 ± 137	✓
	A.4-1	3:10	6.44	12	620	228	16	2.3	335 ± 4 32.95 ± 247	✓
	S1.5-4	3:31	6.73	11	1100	238	1.3	.03	581 ± 5 577 ± 60	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206		Offsets OK?
	A.5-1	3:49	6.03	12	870	338	3.9	.38	353±7	197-?	✓
	A.6-1	4:04	6.29	11	560	212	17.2	.83	357±4	—	✓
	A.7-1	4:20	6.69	11	220	114	-1.2	.47	262±4	594±257	✓
	A.8-1	4:37	6.20	11	360	194	7.3	1.3	256±4	—	✓
	sl.5-5	4:53	6.41	11	1100	249	-2.0	.16	581±5	636±84	✓
	A.9-1	5:12	6.61	11	610	214	0.1	.01	359±	—	✓
	A.10-1	5:28	6.57	12	460	224	2.2	.06	254±3	210±254	✓
	A.11-1	5:44	6.15	11	380	196	5.7	1.2	285±4	—	✓
	A.12-1	6:04	6.30	12	410	196	3.7	.47	269±3	—	✓
	sl.4-1	6:23	6.46	11	1100	236	0.7	.06	579±5	498±49	✓
	A.13-1	6:40	6.27	12	510	190	10.9	1.9	341±4	—	✓
	A.14-1	7:01	6.48	12	980	365	2.1	.20	342±3	170±100	✓
	A.15-1	7:19	6.35	12	200	60	1.9	.89	411±8	—	✓
	A.16-1	7:35	6.32	12	990	337	11.5	<del>1.0</del> 1.0	378±3	—	✓
	<del>A.17-1</del> sl.4-2	7:51	5.72	9.8 <del>00</del>	240	148	14.7	<del>1.0</del> 1.0	283±5	—	✓
	sl.4-2	8:09	6.30	13	1100	242	2.6	.01	562±4	616±51	✓
	A.18-1	8:26	6.46	12	420	169	-4.1	.94	304±4	588±233	✓
u/u	* A.19-1	8:52	17.4	<del>12.25</del> 12.25	1300	1204	-2.4	.13	177±8	—	✓
	A.20-1	9:10	6.24	12	1600	644	6.8	.37	333±2	264±124	✓
	A.21-1	9:27	5.87	11	620	261	14.8	1.8	354±4	320±228	✓
	A.22-1	9:48	6.21	12	660	275	5.7	.78	307±3	—	✓
	sl.4-3	10:06	6.34	12	1100	249	-3.7	.03	571±5	558±46	✓
	A.23-1	10:24	5.33	11	170	100	2.3	.88	300±19	—	✓
	A.24-1	10:43	5.37	11	300	204	-1.2	.29	251±3	—	✓
i <sup>0</sup> dropped mid anal.	A.25-1	11:20	6.65	<del>9.1</del> 9.1	520	209	-6.0	.87	390±17	—	✓

Rejection over-ride Sample/Std ID Time - printout UO/U Kcps 196 cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

recovered  
P235

Rejection over-ride	Sample/Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<b>S1.4-4</b>	<b>11:52</b>	<b>5.52</b>	<b>13</b>	<b>860</b>	<b>232</b>	<b>3.8</b>	<b>.04</b>	<b>535 ± 4</b>	<b>574 ± 51</b>	✓
	A.26-1	12:10	5.02	10	2000	212	9.9	.28	1725 ± 13	1720 ± 37	✓
	A.27-1	12:25	6.11	11	570	216	-0.9	.14	369 ± 4	582 ± 48	✓
	A.28-1	12:44	7.01	8.9	3700	1445	5.7	.12	379 ± 2	322 ± 54	✓
	A.29-1	1:00	6.26	12	60	227	6.5	.31	355 ± 4	—	✓
	A.30-1	<del>1:18</del>	6.23	12	130	70	1.0	.69	251 ± 5	—	✓
	A.31-1	1:31	6.18	12	970	364	1.6	.14	368 ± 3	409 ± 93	✓
	<b>S1.4-5</b>	<b>1:49</b>	<b>6.25</b>	<b>12</b>	<b>1100</b>	<b>252</b>	<b>0.5</b>	<b>.04</b>	<b>553 ± 4</b>	<b>592 ± 56</b>	✓
	A.32-1	2:07	6.27	12	150	63	4.6	2.7	305	—	✓
	A.33-1	2:26	6.10	11	360	204	3.7	.85	251 ± 3	—	✓
	A.34-1	2:41	5.76	13	340	180	12.3	3.2	246 ± 4	—	✓
	A.35-1	2:59	6.69	10	490	177	—	—	379 ± 4	—	✓
	A.36-1	3:15	6.77	11	290	142	-1.5	-0.48	266 ± 4	—	✓
	A.37-1	3:33	6.11	10	<del>170</del> 170	101	<del>5.9</del> 2.6	2.6	260 ± 13	—	✓
	<b>S1.4-6</b>	<b>3:54</b>	<b>6.19</b>	<b>12</b>	<b>1100</b>	<b>249</b>	<b>-3.7</b>	<b>.30</b>	<b>570 ± 14</b>	—	✓
	A.38-1	4:07	5.60	12	390	155	1.6	.32	366 ± ?	—	✓
	A.39-1	4:25	5.73	10	860	423	6.2	.39	343 ± 3	—	✓
	A.40-1	4:40	6.29	12	110	47	2.3	3.6	287 ± 13	—	✓
	A.41-1	4:55	6.21	11	360	143	0.1	.03	343 ± 4	460 ± 120	✓
	A.42-1	5:10	3.42	8.6	360	130	22.7	3.4	568 ± 11	—	✓
	A.43-1	5:25	6.72	10	2400	303	1.6	.06	1019 ± 8	974 ± 66	✓
	<b>S1.4-7</b>	<b>5:41</b>	<b>5.99</b>	<b>10</b>	<b>970</b>	<b>256</b>	<b>-7.9</b>	<b>.02</b>	<b>549 ± 4</b>	<b>654 ± 56</b>	✓
	A.44-1	5:58	6.09	11	830	326	13.2	1.3	358 ± 3	544 ± 201	✓
	A.45-1	6:15	6.06	12	910	119	8.1	0.7	1012 ± 12	633 ± 133	✓
	A.46-1	6:30	5.90	11	750	334	-2.3	<del>.25</del> 0.25	<del>501 ± 13</del> 501 ± 13	501 ± 173	✓

