

follows from 99-49

UWA SHRIMP DATA LOG

Date: 11/10/99 UWA Mount No. 99-44 Whose sample? Neal Operator(s) min/OS/Abreen

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 ~~270~~
 ~ 600 Ma ~~Precambrian~~ Count time (secs): 2 10 10 ~~10~~/²⁰20* ~~30~~/¹⁰10* 10 5 5 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 = nanosecs expected resolution = >4200 actual resolution =

aperture = 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 = 8.169 204-bkg = 0.045 204-206 =

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = nA PESABM-CZ3 = 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 f206 % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

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?
OMIT?	S1.3-2	17:06	5.20	115	1111	220	1.6	.13	571 ± 1	533 ± 36	✓
	S1.3-3	17:24	6.77	134	1723	125	1.3	0.20	545 ± 1	518 ± 30	OK
	B.2-1	17:45	6.13	14.00	833	81	0.5	0.12	537 ± 2	508 ± 44	OK
Correct name	S1.7-4	18:03	6.42	14.3	1665	131	1.2	0.18	556 ± 1	560 ± 29	OK
	B.12-1	18:22	6.13	14.2	725	67	0.3	0.08	551 ± 1	605 ± 55	OK
	B.5-1	18:40	6.25	14.9	1681	140	0.5	0.07	547 ± 1	533 ± 33	OK
list 20	S1.7-2	18:58	6.51	13.8	1596	126	0.6	0.10	550 ± 1	536 ± 30	OK
	B.20-1	19:41	6.52	14.4	460	35	✓	✓	552 ± 2	643 ± 39	OK

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?

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?
OK	B.7-1	22:05	3.69	7.23	1965	3578	7.1	0.03	724±2	556±27	OK
	B.7-2	22:22	5.42	10.3	1229	236	2.4	0.20	563±1	532±35	OK
	B.9-1	20:39	6.39	13.8	398	33	0.4	0.22	550±2	471±74	OK
OK	SL8-1	20:57	4.94	10.8	961	244	1.6	0.12	588±1	481±38	OK
	C2-1	21:17	6.58	12.3	720	59	0.6	0.21	545±2	494±73	OK
	B.8-1	21:35	6.46	13.2	861	74	0.7	0.11	540±1	559±51	OK
	B.10-1	21:56	6.70	13.6	515	43	0.2	0.07	565±2	525±44	OK
	B.11-1	22:13	6.51	12.8	2788	71	0.8	0.06	1677±5	1742±11	OK
	B.15-1	22:36	6.13	12.7	544	56	0.4	0.15	552±2	521±105	OK
	B.16-1	22:58	6.45	12.6	701	63	0.6	0.20	549±2	513±72	OK
OK	SL8-2	23:17	4.22	7.86	612	466	1.4	0.05	632±2	585±53	OK
	B.17-1	23:38	6.28	12.3	592	60	0.5	/	540±2	531±35	OK
	B.18-1	23:57	6.55	11.9	758	69	0.3	0.09	545±2	609±48	OK
	B.19-1	00:15	6.48	12.0	755	70	/	/	548±1	551±31	OK
	B.19-2	00:33	6.43	12.1	714	68	0.5	0.15	542±2	474±52	OK
	SL8-3	00:52	5.78	13.5	1279	151	1.2	0.15	554±1	589±40	OK
	B.4-1	01:15	6.45	12.1	449	42	0.4	0.18	550±2	537±65	OK
	B.3-1	01:47	6.44	11.8	482	46	0.2	0.08	554±2	539±58	OK
	B.13-2	02:06	6.41	10.72	1017	111	0.6	0.11	537±1	570±38	OK
OK	B.14-2	02:25	3.63	5.5	114	499	/	/	718±6	636±79	OK
	SL8-4	2:44	5.82	13.1	1292	153	1.9	0.24	557±1	425±44	OK
	C.3-1	3:02	6.28	12.55	352	34	/	/	559±2	567±46	OK
	C.1-1	3:19	6.73	11.5	868	74	0.5	0.14	555±2	527±46	OK
	C.4-1	3:39	6.30	12.0	252	25	0.8	0.63	563±3	357±177	OK
	C.5-1	3:57	6.53	11.0	178	17	0.2	0.26	554±4	489±126	OK
	SL9-1	4:16	5.94	12.9	1281	143	1.2	0.16	555±1	524±35	OK

1st amp

1st step

Sum 5

2nd anal in same hole

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

*These labels presumably correct
Data is ok
files changed to match.*

124UO

	C6-1	4:35	6.42	12.1	215	20	/	/	567 ± 3	637 ± 57	OK
	C7-1	4:52	6.47	11.5	264	25	0.5	0.35	555 ± 4	456 ± 225	OK
	C8-1	5:10	6.78	11.2	539	47	0.1	0.04	547 ± 2	598 ± 56	OK
	C9-1	5:28	5.39	12.9	383	61	3.0	0.96	551 ± 2	462 ± 108	OK
	C11-1	5:45	6.61	10.6	1959	186	0.6	0.06	567 ± 1	586 ± 24	OK
	C11-2	6:02	6.54	10.6	829	84	0.3	0.07	554 ± 2	586 ± 48	OK
	SL4-1	6:21	6.77	9.7	1221	123	2.0	0.32	540 ± 1	491 ± 40	OK
	C12-1	6:40	6.89	9.6	366	35	0.5	0.30	548 ± 2	541 ± 76	OK
	? C13-1	6:58	6.32	9.8	134	16	2.1	0.20	569 ± 5		
	C14-1	7:15	6.67	9.7	730	76	0.7	0.18	554 ± 2	519 ± 56	OK
	C15-1	7:33	6.48	9.5	256	30	0.2	0.16	541 ± 3	548 ± 106	OK
	C16-1	7:50	6.75	9.3	503	55	/	/	527 ± 2	584 ± 38	OK
	SL4-2	8:07	6.31	10.0	1096	135	3.6	0.54	536 ± 1	441 ± 50	OK
*	? C17-1	8:27	3.27	3.27	0	-ve	-ve	/	/	/	OK
	C18-1	9:01	6.77	9.2	628	65	-0.5	/	559 ± 2	598 ± 34	OK
	SL4-3	9:19	6.54	9.2	1086	128	0.9	.15	546 ± 1	617 ± 32	✓

1° dropped but couldn't recover.

* low/no 206 = ??

→ 206-207-208 offsets lost → corrected for C18-1