

XBT LogSheet

| Smith Island Track Southbound | | | | | | |
|-------------------------------|------------------------------------|----------|----------|----------|---|--------------|
| Cruise ID: LMG0405 | | | | | | |
| XBT Start Date: 15 MAY 04 | | | | | | |
| Latitude | Additional Events At This Latitude | Operator | Time GMT | Filename | Notes | Launch Tube# |
| 054 48.00 S | SALT/TCO2 | TWL | 19:38 | 001 | Bottom DEPTH 104 m | 1 |
| 054 54.00 S | | SWW | 2019 | 002 | " " 135 m | 2 |
| 055 00.00 S | SALT/TCO2 | MT | 2059 | 003 | ~434 m | 3 |
| 055 06.00 S | dinner+movie | MT | 2139 | 004 | ~1580 m | 4 |
| 055 12.00 S | | MT | 2213 | 005 | ~1954 m | 5 |
| 055 18.00 S | | SA | 2254 | 006 | | 6 |
| 055 24.00 S | | SA | 2330 | 007 | | 1 |
| 055 30.00 S | | AFN | 00:11 | 008 | | 2 |
| 055 36.00 S | | AFN | 00:44 | 009 | | 3 |
| 055 42.00 S | | AFN | 01:30 | 010 | | 4 |
| 055 48.00 S | | AFN | 02:10 | 011 | | 5 |
| 055 54.00 S | | AFN | 02:56 | 013 | 012 failed tube 6 | 1 |
| 056 00.00 S | DROP XCTD SALT/TCO2 | AFN | 03:32 | 014 | | 1 |
| 056 06.00 S | | AFN | 04:11 | 015 | | 2 |
| 056 12.00 S | | SGT | 0450 | 016 | | 3 |
| 056 18.00 S | | SGT | 0527 | 017 | | 4 |
| 056 24.00 S | | SGT | 0607 | 018 | Good drop but failed by computer manually overwrite to accept | 5 |
| 056 30.00 S | SALT/TCO2 | DBT | 0646 | 019 | | 6 |
| 056 36.00 S | | DBT | 0725 | 020 | Good Drop. Manually check proof. | 1 |
| 056 42.00 S | | JH | 08:05 | 021 | Bottom Depth 4044 m | 2 |
| 056 48.00 S | | JH | 08:46 | 022 | 3869 m | 3 |
| 056 54.00 S | | JH | 09:26 | 023 | 3867 m | 4 |
| 057 00.00 S | DROP XCTD SALT/TCO2 | JH | 10:07 | 024 | 3972 m | 5 |

| Latitude | Additional Events At This Latitude | Operator | Time GMT | Filename | Notes | Launch Tube# |
|-------------|---------------------------------------|----------|----------|----------|---|-----------------|
| 057 06.00 S | only 5 XBT's | JH | 1047 | 025 | BOTTOM DEPTH 3849 m | 6 |
| 057 12.00 S | LOADED - 40 AGENT | JH | 1125 | 026 | BOTTOM DEPTH 3771 m | 1 |
| 057 18.00 S | to be loaded. | JH | 1204 | 027 | BOTTOM DEPTH 4024 m | 2 |
| 057 24.00 S | | AFN | 12:42 | 028 | | 3 |
| 057 30.00 S | DROP XCTD SALT/TCO2 | AFN | 13:21 | 029 | | 4 |
| 057 36.00 S | | AFN | 13:58 | 030 | | 5 |
| 057 42.00 S | | AFN | 14:35 | 031 | | 1 |
| 057 48.00 S | | AFN | 15:12 | 032 | | 2 |
| 057 54.00 S | | SWW | 15:50 | 033 | | 3 |
| 058 00.00 S | DROP XCTD SALT/TCO2 | SWW | 16:26 | 034 | | 4 |
| 058 06.00 S | | SWW | 17:06 | 035 | | 5 |
| 058 12.00 S | | TWL | 1744 | 036 | | 6 |
| 058 18.00 S | LATE LAUNCH DUE TO OPERATOR ERROR | TWL | 1835 | 037 | 058°20.5'S / 63°54.5'W CHG'd CHK'D | 1 |
| 058 24.00 S | | TWL | 1859 | 038 | | 2 |
| 058 30.00 S | SALT/TCO2 | TWL | 1935 | 039 | | 3 |
| 058 36.00 S | | TWL | 2011 | 040 | | 4 |
| 058 42.00 S | | JH | 2047 | 041 | B.D. 3913 m | 5 |
| 058 48.00 S | | MT | 2122 | 042 | failed chkprof but looks good ~3830 m | 6 |
| 058 54.00 S | | MT | 2157 | 043 | | 1 |
| 059 00.00 S | DROP XCTD SALT/TCO2 | AFN | 2233 | 044 | | 2 |
| 059 06.00 S | | AFN | 2306 | 045 | | 3 |
| 059 12.00 S | | AFN | 2346 | 046 | | 4 |
| 059 18.00 S | | AFN | 24:12 | 047 | bad below 200m | 5 |
| 059 24.00 S | | AFN | 00:52 | 048 | Good drop | 6 |
| 059 30.00 S | SALT/TCO2 | AFN | 01:25 | 049 | | 1 |
| 059 40.00 S | | AFN | 02:24 | 050 | | |

| Latitude | Additional Events At This Latitude | Operator | Time GMT | Filename | Notes | Launch Tube# |
|-------------|---|----------|----------------------|------------|---|-----------------|
| 059 50.00 S | | AFN | 03:23 | 051 | bad drop - no redrop mid drinker | 3 |
| 060 00.00 S | SALT/TCO2 | DIST | 04:20 | 052 | good drop but failed manual override | 4 |
| 060 10.00 S | | SGT | 05:17 | 053 | | 5 |
| 060 20.00 S | | SGT | 06:14 | 054 | | 6 |
| 060 30.00 S | Reload? DROP XCTD SALT/TCO2 | SGT | 07:13 | 055 | 2 spikes below 400m otherwise ok | 1 |
| 060 40.00 S | | JH | 08:11 | 056 | All Good B.D. 3710m | 2 |
| 060 50.00 S | | JH | 09:09 | 057 | " B.D. 3837m | 3 |
| 061 00.00 S | SALT/TCO2 | JH | 10:01 | 058 | " B.D. 3839m | 4 |
| 061 10.00 S | | JH | 11:05 | 059 | BAD DROP - no redrop mid drinker | 5 |
| 061 20.00 S | | JH | 12:20 | 060 | Good Drop - | 6 |
| 061 30.00 S | 3 DROPS - 1 BAD AT TOP, 2ND BAD / 3RD - GOOD | TWL | 12:59 13:01/13:04 | 061/062 | NO DATA - TOP 60M TOTAL BAD DROP/063-GOOD! | 1/2/3 |
| 061 40.00 S | SUSPECT OFFSET | TWL | 13:57 | 064 | GOOD CURVE BUT OFFSET FROM 063 BY +1.5°C | 4 |
| 061 50.00 S | | TWL | 14:59 | 065 | GOOD DROP SST BACK IN LINE WITH DROP 063 | 5 |
| 062 00.00 S | PCO - Calibrating - 15min SALT/TCO2 delay | AFN | 16:05 | 066 | Good | 6 |
| 062 06.00 S | | TWL | 16:45 | 067 | good drop | 1 |
| 062 12.00 S | | TWL | 17:24 | 068 | good drop | 2 |
| 062 18.00 S | | TWL | 18:03 | 069 | good drop | 3 |
| 062 24.00 S | | TWL | 18:41 18:45 | 070 071 | bad @ surface / offset w/ depth good drop in 1750m | 4/5 |
| 062 30.00 S | | TWL | 19:21 | 072 | good drop coming up slope Z=429M | 6 |
| 062 36.00 S | | TWL | 20:06 | 073 | good drop change slope Z=453M | 1 |
| 062 42.00 S | SALT/TCO2 | TWL | 20:53 | 074 | good drop change slope Z=590M | 2 |
| 70 00.00 S | point never reached | | | | | |