

# XBT LogSheet

Smith Island Track Southbound

Cruise ID: LMG1706

XBT Start Date: 14 July 2017

| Latitude  | At This Latitude   | Operator | Time GMT | Notes                           |
|-----------|--------------------|----------|----------|---------------------------------|
| 54° 48' S | Water Sample #1    | AS       | 0059     | Depth: 94 GPS feed not working  |
| 54° 54' S |                    | AS       | 1:36     | Depth: 136 GPS feed not working |
| 55° 00' S | Water Sample #2    | AS       | 2:10     | Depth: 355                      |
| 55° 06' S |                    | AS       | 0245     | Depth: 1545                     |
| 55° 12' S |                    | MAH      | 03:19    |                                 |
| 55° 18' S |                    | ISM      | 03:57    | Bad drop - redid @ 04:01        |
| 55° 24' S |                    | ISM      | 04:32    |                                 |
| 55° 30' S |                    | MAH      | 05:06    |                                 |
| 55° 36' S |                    | MAH      | 05:41    |                                 |
| 55° 42' S |                    | MAH      | 06:16    |                                 |
| 55° 48' S |                    | MAH      | 06:55    |                                 |
| 55° 54' S |                    | JG       | 07:30    |                                 |
| 56° 00' S | XCTD #1 / Water #3 | JG       | 08:10    |                                 |
| 56° 06' S |                    | JG       | 08:47    |                                 |
| 56° 12' S |                    | JG       | 09:22    |                                 |
| 56° 18' S |                    | JG       | 09:53    |                                 |
| 56° 24' S |                    | JG       | 10:25    |                                 |
| 56° 30' S | XCTD #2 / Water #4 | JG       | 10:57    |                                 |
| 56° 36' S |                    | KO       | 1127     |                                 |
| 56° 42' S |                    | TD       | 1156     |                                 |
| 56° 48' S |                    | KO       | 1230     |                                 |
| 56° 54' S |                    | TD       | 1303     |                                 |
| 57° 00' S | XCTD #3 / Water #5 | KO       | 13:34    |                                 |
| 57° 06' S |                    | KO       | 1408     |                                 |
| 57° 12' S |                    | KO       | 1441     |                                 |
| 57° 18' S | XCTD #4            | AP       | 1515     | Severed on 1400m                |
| 57° 24' S |                    | AP       | 1553     | Bad drop - redid @ 1556         |

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|-----------|---------------------------------|----------|----------|---|
| 57° 30' S | XCTD #5 / Water #6              | DK       | 16:26:15 |   |
| 57° 36' S |                                 | NP       | 16:58:30 |   |
| 57° 42' S |                                 | NP       | 17:32:51 |   |
| 57° 48' S | XCTD #6                         | AP       | 1808     |   |
| 57° 54' S |                                 | NP       | 17:44:06 |   |
| 58° 00' S | XCTD #7 / Water #7              | GP       | 1925     |   |
| 58° 06' S |                                 | GP       | 1959     |   |
| 58° 12' S |                                 |          |          | Missed writing time                             |
| 58° 18' S |                                 | SL       | 2117     |   |
| 58° 24' S |                                 | GP       | 2156     |   |
| 58° 30' S | XCTD #8 / Water #8              | GP       | 2234     |   |
| 58° 36' S |                                 | AS       | 2310     |   |
| 58° 42' S |                                 | AS       | 2347     |   |
| 58° 48' S |                                 | AS       | 0024     |   |
| 58° 54' S |                                 | AS       | 0100     | 1st profile was bad, dropped 2nd XBT            |
| 59° 00' S | XCTD #9 / Water #9 / AIR SAMPLE | PC       | 0131     |   |
| 59° 06' S |                                 | AS       | 0212     | 1st profile was bad, shipped it and dropped 2nd |
| 59° 12' S |                                 | MAH      | 0301     | XBT, broke @ 200 m                              |
| 59° 18' S |                                 | ESM      | 0403     | Possible leak around 630 m                      |
| 59° 24' S |                                 | MAH      | 0447     |   |
| 59° 30' S | XCTD #10 / Water #10            | ESM      | 0530     |   |
| 59° 40' S |                                 | BH       | 0640     |   |
| 59° 50' S |                                 | JG       | 0752     |   |
| 60° 00' S | XCTD #11 / Water #11            | JG       | 0859     |   |
| 60° 10' S |                                 | JG       | 1010     |   |
| 60° 20' S |                                 | KO       | 1116     |   |
| 60° 30' S | XCTD #12 / Water #12            | TD       | 12:49    |   |
| 60° 40' S |                                 | KO       | 1356     |   |
| 60° 50' S |                                 | NP       | 1503     |   |

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|-----------|---------------------|----------|----------|---|
| 61° 00' S | Water #13           | NP       | 1610     |   |
| 61° 10' S |                     | NP       | 1716     |   |
| 61° 20' S |                     | NP       | 1820     |   |
| 61° 30' S |                     | NP       | 1924     |   |
| 61° 40' S |                     | GP       | 2029     |   |
| 61° 50' S |                     | GP       | 2132     |   |
| 62° 00' S | Water #14           | GP       | 2240     |   |
| 62° 06' S |                     | AS       | 2314     |   |
| 62° 12' S |                     | AS       | 2351     | 1st broke wire @ 500 m,<br>launched 2nd XBT |
| 62° 18' S |                     | AS       | 0026     |   |
| 62° 24' S |                     | AS       | 0101     | Depth: 1860                                 |
| 62° 30' S |                     | AS       | 0138     | Depth: 455                                  |
| 62° 36' S |                     | AS       | 0216     | Depth: 453                                  |
| 62° 42' S | Water #15           | AS       | 0255     | Depth: 591                                  |
| 70 00' S  | point never reached |          |          |   |