## FLIGHT SUMMARY REPORT

**Flight Number:** 04-624

**Calendar/Julian Date:** 10 December 2003 (344)

**Sensor Package:** MODIS Airborne Simulator (MAS50)
NPOESS Atmospheric Sounding Testbed Interferometer (NAST-I)
NPOESS Atmospheric Sounding Testbed Microwave Sounder (NAST-M)
High Resolution Interferometer Sounder (S-HIS)
Mini Video Imaging System (MVIS)
In Situ Ozone ($LaRCO_3$)

**Area(s) Covered:** Gulf of St Lawrence, St Johns, Atlantic Ocean

**Investigator(s):** Smith, NASA-LRC **Aircraft Number:** 806
Murray, NASA-LRC

### SENSOR DATA

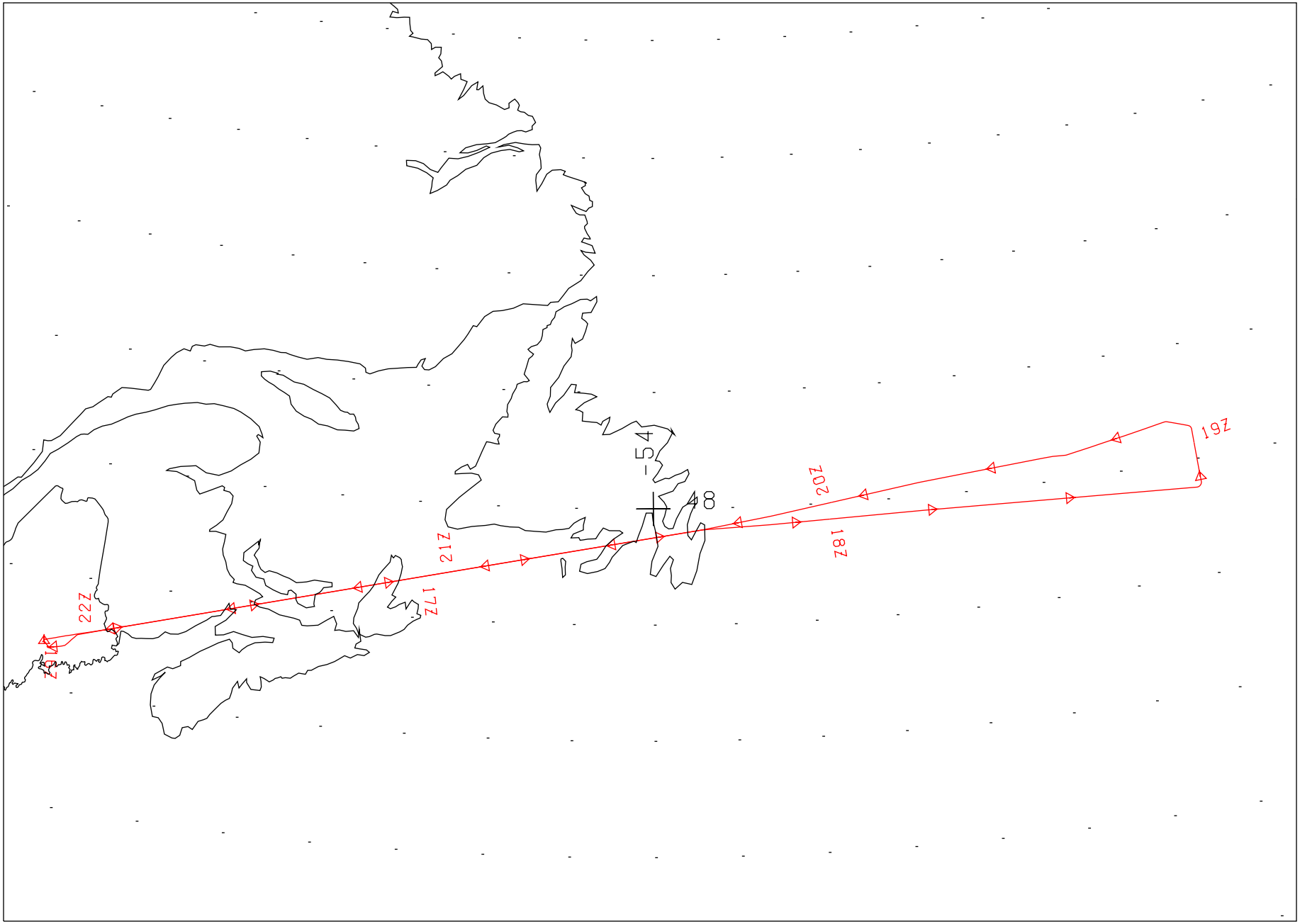
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Accession #:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **Sensor ID #:** | 108 | 122 | 123 | 083 | 137 | 118 | 138 |
| **Sensor Type:** | MAS50 | NAST-I | NAST-M | S-HIS | CPL | VIS | $LaRCO_3$ |
| **Focal Length:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **Film Type:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **Filtration:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **Spectral Band:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **f-Stop:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **Shutter Speed:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **# of Frames:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **% Overlap:** | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| **Quality:** | Good | ___ | ___ | ___ | ___ | ___ | ___ |

**Remarks:**

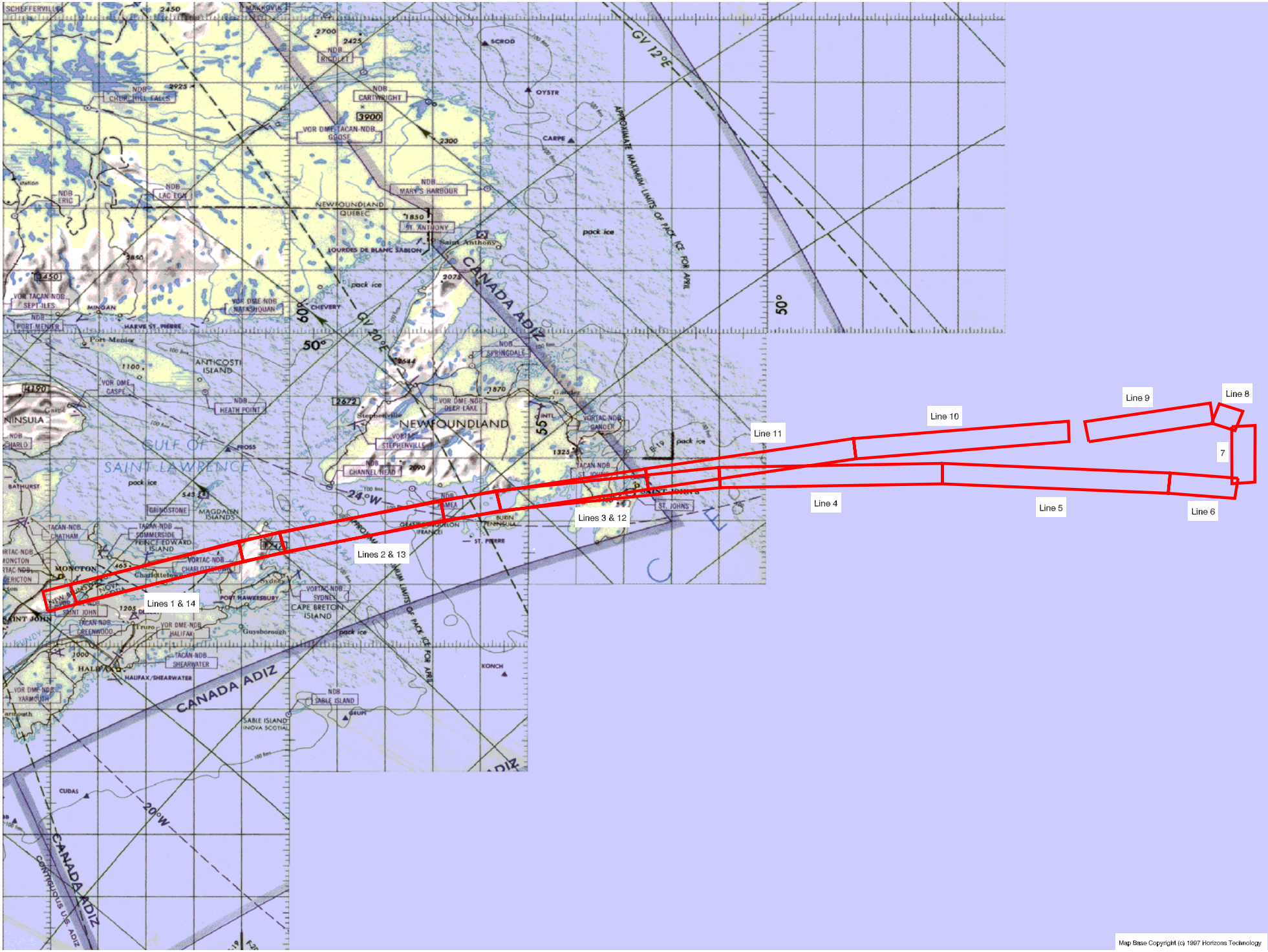
MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 10 Dec 2003
NASA FLIGHT NUMBER 04-624

| | START OF FLIGHT LINE | | | | | END OF FLIGHT LINE | | | | | FLIGHT DATA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FLTL | TIME | LAT | LON | SOLAR | | TIME | LAT | LON | SOLAR | | SCAN | HEAD | ALT |
| | HH:MM:SS | DEG | DEG | ZEN | AZIM | HH:MM:SS | DEG | DEG | ZEN | AZIM | LINES | DEG | M (MSL) |
| 1 | 16:31:09 | 45.826 | -64.519 | 68.9 | 184.9 | 16:57:55 | 46.652 | -60.144 | 71.1 | 195.6 | 9999 | 73.1 | 19277 |
| 2 | 16:57:55 | 46.653 | -60.144 | 71.1 | 195.6 | 17:24:42 | 47.311 | -55.606 | 74.4 | 206.0 | 9999 | 76.4 | 19809 |
| 3 | 17:24:43 | 47.311 | -55.605 | 74.4 | 206.0 | 17:51:30 | 47.680 | -50.978 | 78.6 | 215.9 | 9999 | 82.3 | 19836 |
| 4 | 17:51:30 | 47.680 | -50.977 | 78.6 | 215.9 | 18:18:18 | 47.743 | -46.305 | 83.7 | 225.2 | 9999 | 88.2 | 19882 |
| 5 | 18:18:18 | 47.743 | -46.305 | 83.7 | 225.2 | 18:45:06 | 47.592 | -41.553 | 89.4 | 234.0 | 9999 | 92.4 | 19872 |
| 6 | 18:45:06 | 47.592 | -41.552 | 89.4 | 234.0 | 18:52:58 | 47.509 | -40.144 | 91.3 | 236.5 | 2936 | 96.8 | 19867 |
| 7 | 18:54:12 | 47.595 | -39.996 | 91.6 | 236.8 | 19:02:00 | 48.503 | -40.000 | 93.2 | 238.3 | 2908 | 355.6 | 19902 |
| 8 | 19:03:00 | 48.582 | -40.091 | 93.3 | 238.4 | 19:06:20 | 48.703 | -40.588 | 93.5 | 238.6 | 1246 | 289.1 | 19981 |
| 9 | 19:06:47 | 48.709 | -40.659 | 93.6 | 238.7 | 19:23:04 | 48.412 | -43.282 | 94.2 | 239.7 | 6077 | 261.4 | 19895 |
| 10 | 19:25:21 | 48.418 | -43.662 | 94.4 | 239.8 | 19:52:08 | 48.141 | -48.147 | 95.5 | 241.4 | 9999 | 266.1 | 19903 |
| 11 | 19:52:08 | 48.141 | -48.147 | 95.5 | 241.4 | 20:18:56 | 47.657 | -52.500 | 96.7 | 243.0 | 9999 | 263.4 | 20015 |
| 12 | 20:18:56 | 47.657 | -52.501 | 96.7 | 243.0 | 20:45:44 | 47.160 | -56.787 | 97.9 | 244.6 | 9999 | 262.0 | 19938 |
| 13 | 20:45:44 | 47.160 | -56.787 | 97.9 | 244.6 | 21:12:31 | 46.504 | -61.011 | 99.2 | 246.2 | 9999 | 259.6 | 19855 |
| 14 | 21:12:32 | 46.504 | -61.011 | 99.2 | 246.2 | 21:39:19 | 45.701 | -65.108 | 100.5 | 247.9 | 9999 | 257.5 | 19952 |

NUMBER OF FILES FOR THIS FLIGHT = 14
TOTAL NUMBER OF SCAN LINES = 113157
DATE THESE FILES WERE PROCESSED = 18-Feb-2004
DATE THIS LIST WAS CREATED = Wed Feb 18 14:43:33 PST 2004
GRANULE VERSION = 1




FLIGHT 04-6024 / 04-624 10 DECEMBER 2003 A/C 806 MAS / SHIS / NAST-I / NAST-M / CPL / OZONE / VIS




Flight 04-624 10 December 2003 A/C 806 MAS-50