

Other: Dynamic Aviation B200 T 09/19/17

Aircraft: Other: Dynamic Aviation B200 T - 17M048

Flight Number: OIBSM17-SciF14

Payload Configuration: OIB-LVISF2017

Nav Data Collected: No

Total Flight Time: 6.6 hours

Submitted by: J. Bryan Blair on 10/04/17

Flight Segments:

| | | | |
|---------------------------|--|----------------|------------------|
| From: | BGSF | To: | BGSF |
| Start: | 09/19/17 13:30 Z | Finish: | 09/19/17 20:06 Z |
| Flight Time: | 6.6 hours | | |
| Log Number: | 17M048 | PI: | Nathan Kurtz |
| Funding Source: | Bruce Tagg - NASA - SMD - ESD Airborne Science Program | | |
| Purpose of Flight: | Science | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 17M048 |
| Flight Hours Approved in SOFRS | 123 |
| Total Used | 128.5 |
| Total Remaining | -5.5 |

17M048 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|----------------|-------------------|----------|---------------|-----------------|-------------|
| 08/16/17 | OIBSM17-TF01 | Check | 2.1 | 2.1 | 120.9 | |
| 08/17/17 | OIBSM17-TF02 | Check | 4 | 6.1 | 116.9 | |
| 08/19/17 | OIBSM17-TF03 | Check | 2.6 | 8.7 | 114.3 | |
| 08/21/17 | OIBSM17-TF04 | Check | 2.4 | 11.1 | 111.9 | |
| 08/21/17 | OIBSM17-TF04 | Check | 1.7 | 12.8 | 110.2 | |
| 08/22/17 | OIBSM17-FF01 | Ferry | 2.2 | 15 | 108 | |
| 08/22/17 | OIBSM17-FF01 | Ferry | 3.1 | 18.1 | 104.9 | |
| 08/23/17 | OIBSM17-FF02 | Ferry | 4 | 22.1 | 100.9 | |
| 08/24/17 | OIBSM17-FF03 | Ferry | 3.6 | 25.7 | 97.3 | |
| 08/25/17 | OIBSM17-SciF01 | Science | 5.3 | 31 | 92 | |
| 08/29/17 | OIBSM17-SciF02 | Science | 7 | 38 | 85 | |
| 08/30/17 | OIBSM17-SciF03 | Science | 5.5 | 43.5 | 79.5 | |
| 09/01/17 | OIBSM17-SciF04 | Science | 4 | 47.5 | 75.5 | |
| 09/02/17 | OIBSM17-SciF05 | Science | 5.6 | 53.1 | 69.9 | |
| 09/04/17 | OIBSM17-SciF06 | Science | 7.7 | 60.8 | 62.2 | |
| 09/05/17 | OIBSM17-SciF07 | Science | 7.3 | 68.1 | 54.9 | |
| 09/06/17 | OIBSM17-SciF08 | Science | 4.2 | 72.3 | 50.7 | |
| 09/09/17 | OIBSM17-SciF09 | Science | 6.5 | 78.8 | 44.2 | |
| 09/12/17 | OIBSM17-SciF10 | Science | 5.9 | 84.7 | 38.3 | |

| | | | | | |
|--------------------------|--------------------|---------|-----|-------|------|
| 09/12/17 | OIBSM17- SciF11 | Science | 5.1 | 89.8 | 33.2 |
| 09/13/17 | OIBSM17- SciF12 | Science | 6 | 95.8 | 27.2 |
| 09/18/17 | OIBSM17- SciF13 | Science | 4.4 | 100.2 | 22.8 |
| 09/19/17 | OIBSM17- SciF14 | Science | 6.6 | 106.8 | 16.2 |
| 09/20/17 | OIBSM17- SciF15 | Science | 6.5 | 113.3 | 9.7 |
| 09/21/17 | OIBSM17-FF04 | Ferry | 4.1 | 117.4 | 5.6 |
| 09/22/17 | OIBSM17-FF05 | Ferry | 4 | 121.4 | 1.6 |
| 09/22/17 | OIBSM17-FF05 | Ferry | 2.1 | 123.5 | -0.5 |
| 09/22/17 | OIBSM17-FF05 | Ferry | 1 | 124.5 | -1.5 |
| 10/05/17 | OIBSM17-TF05 | Check | 4 | 128.5 | -5.5 |

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Related Science Report:

OIB 2017 - Other: 09/19/17 Science Report

Mission: OIB 2017

Mission Summary:

Hello everyone

LVIS just completed a flight to collect data over the three Icesat lines at Summit, also collecting data along various target lines on the way to and from. The forecast at Summit was not ideal and so we decided to repeat the 3 lines there in order to give ourselves a second chance if clouds were passing through. Clouds were indeed passing through, however the laser was able to penetrate through the clouds on both passes ensuring good coverage. Transits between the other target lines and Summit were cloudy (fog) but all over lines were clear. We finished the flight with calibration passes of Kangerlussuaq airport.

Thanks!
Michelle

Images:

Russell glacier, Greenland



[Read more](#)

File:

 [lvis_Summit_plus_9XX.pdf](#)

Submitted by: J. Bryan Blair on 10/05/17

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