

## OIB - C-130 Hercules 11/04/13 Science Report

**Date:** Monday, November 4, 2013

**Mission:** OIB

**Mission Location:** Thule, Greenland

**Mission Summary:**

LVIS, LVIS GH C130 OIB NW Coastal Grid Flight

Today's flight was another variation of Friday's NW grid, following existing OIB lines closer to the coast.

Flight altitude was 26,000'

Take off was later today in order to allow the crew to fix a fuel leak and for the position of the LVIS instrument to be adjusted slightly on the mount in order to avoid an area of optical darkening that has occurred (and continues) within the plexiglass window.

Flight was just over 6 hours long. We encountered some areas of clouds closer to the coast but overall data collection was about 93%.

Unfortunately, LVIS-GH instrument had a pump failure and was not operated on the flight.

Both cameras collected data.

We collected angle calibration data over sea ice on the return leg to Thule, as well as completed an overpass of Thule ramp at 10,000' before landing.

LVIS GH 0GB

LVIS 80GB

LVIS Camera 128GB

LVIS POS-AV 1GB

**Submitted by:** Michelle Hofton on 11/04/13

**File:**

 [lvis\\_NWgridcoast\\_20131104.pdf](#)

**Related Flight Report:**

### C-130 Hercules 11/04/13

**Flight Number:** 3

**Payload Configuration:** LVIS

**Nav Data Collected:** No

**Total Flight Time:** 6.4 hours

**Submitted by:** Cate Easmunt on 11/04/13

**Flight Segments:**

<b>From:</b>	BGTL	<b>To:</b>	BGTL
<b>Start:</b>	11/04/13 13:25 Z	<b>Finish:</b>	11/04/13 19:46 Z
<b>Flight Time:</b>	6.4 hours		
<b>Log Number:</b>	<a href="#">131001</a>	<b>PI:</b>	Michael Studinger
<b>Funding Source:</b>	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	Next flight scheduled for Tuesday November 5.		

**Flight Hour Summary:**

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<b>Flight Hours Approved in SOFRS</b>	100	
<b>Flight Hours Previously Approved</b>		52.5
<b>Total Used</b>	47.5	90.7
<b>Total Remaining</b>		-38.2

141001 Flight Reports						
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">11/06/13</a>	5	Science	7.3	7.3	45.2	
<a href="#">11/08/13</a>	6	Science	7.7	15	37.5	
<a href="#">11/09/13</a>	7	Science	7.8	22.8	29.7	
<a href="#">11/12/13</a>	8	Science	5.4	28.2	24.3	
<a href="#">11/14/13</a>	9	Science	7.4	35.6	16.9	
<a href="#">11/15/13</a>	Return transit, leg 1	Transit	8.5	44.1	8.4	
<a href="#">11/15/13</a>	Return transit, leg 2	Transit	1.1	45.2	7.3	

**Source URL:** [https://airbornescience.nasa.gov/science\\_reports/OIB\\_-\\_C-130\\_Hercules\\_11\\_04\\_13\\_Science\\_Report#comment-0](https://airbornescience.nasa.gov/science_reports/OIB_-_C-130_Hercules_11_04_13_Science_Report#comment-0)

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

*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.*

131001 Flight Reports						
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">09/27/13</a>	FCF / ECF #1	Check	2	2	98	
<a href="#">10/26/13</a>	PCF	Check	3.7	5.7	94.3	
<a href="#">10/29/13</a>	Transit (incomplete)	Transit	5.2	10.9	89.1	
<a href="#">10/30/13</a>	Transit	Transit	7.9	18.8	81.2	
<a href="#">10/31/13</a>	1	Science	7.2	26	74	
<a href="#">11/01/13</a>	2	Science	7.3	33.3	66.7	
<a href="#">11/04/13</a>	3	Science	6.4	39.7	60.3	
<a href="#">11/05/13</a>	4	Science	7.8	47.5	52.5	