

# OIB - C-130 Hercules 11/01/13 Science Report

**Date:** Friday, November 1, 2013  
**Mission:** OIB  
**Mission Location:** Thule, Greenland  
**Mission Summary:**

LVIS LAND ICE - NW GRID

Today's flight was land ice - NW Grid. The flight repeated the three, NW grid lines flown by the P3 in Spring (P3 Spring trajectories are shown in green in the attached image), as well as several shorter segments of three existing OIB grid lines from previous years. Flight was at 27,000', weather was clear and we collected close to 100% data along the lines. Both LVIS instruments operated normally along with the cameras. Although we had originally planned to fly tomorrow, it will now be a maintenance day for the plane (and an attempt to get heat to the floor of the plane to prevent frostbite!) followed by a down day on Sunday.

Calibration maneuvers and overpass of ramp before landing at Thule

LVIS-GH 250G

LVIS 80GB

POS-AV 5GB

LVIS camera 100GB

**Submitted by:** Michelle Hofton on 11/01/13

**File:**

 [lviv\\_280NWgrid\\_20131101.pdf](#)

**Related Flight Report:**

## C-130 Hercules 11/01/13

**Flight Number:** 2  
**Payload Configuration:** LVIS  
**Nav Data Collected:** No  
**Total Flight Time:** 7.3 hours  
**Submitted by:** Cate Easmunt on 11/01/13  
**Flight Segments:**

<b>From:</b>	BGTL	<b>To:</b>	BGTL
<b>Start:</b>	11/01/13 11:15 Z	<b>Finish:</b>	11/01/13 18:30 Z
<b>Flight Time:</b>	7.3 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 Monday November 4.		

**Flight Hour Summary:**

	131001	141001
<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
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<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\\_01\\_13\\_Science\\_Report#comment-0](https://airbornescience.nasa.gov/science_reports/OIB_-_C-130_Hercules_11_01_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	