

OIB - C-130 Hercules 11/09/13 Science Report

Date: Saturday, November 9, 2013

Mission: OIB

Mission Location: Thule, Greenland

Mission Summary:

LVIS/LVIS-GH C130 OIB Jakobshavn Grid

Today we went with a repeat of the Jakobshavn 10km grid, last flown in the Spring by the P3. The cloud hole was only in the vicinity of Jakobshavn so transits were mostly clouded out. However data collection along the lines was 100%. Both instruments operated normally, as did the cameras. We continue to have issues with "optical darkening" within the plexiglass and have asked the crew to rotate the window beneath LVIS before the next flight to mitigate its effects. The area of LVIS-GH swath affected by the same issue has not widened or got more severe and we'll continue to monitor it.

We performed calibration maneuvers over Disko Bay on the way to/from the survey area.

Two ramp passes over Thule before landing, one at 17,000', one at 16,000'

The airport is closed tomorrow and Monday so our next fly day will be Tuesday.

Submitted by: Michelle Hofton on 11/09/13

File:

 [lvls_JakGrid_20131108.pdf](#)

Related Flight Report:

C-130 Hercules 11/09/13

Flight Number: 7

Payload Configuration: LVIS

Nav Data Collected: No

Total Flight Time: 7.8 hours

Submitted by: Cate Easmunt on 11/09/13

Flight Segments:

From:	BGTL	To:	BGTL
Start:	11/09/13 11:45 Z	Finish:	11/09/13 19:31 Z
Flight Time:	7.8 hours		
Log Number:	141001	PI:	Michael Studinger
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		
Comments:	Next flight scheduled for Tuesday November 12.		

Flight Hour Summary:

	131001	141001
Flight Hours Approved in SOFRS	100	
Flight Hours Previously Approved		52.5
Total Used	47.5	90.7
Total Remaining		-38.2

141001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/06/13	5	Science	7.3	7.3	45.2	
11/08/13	6	Science	7.7	15	37.5	

11/09/13	7	Science	7.8	22.8	29.7
11/12/13	8	Science	5.4	28.2	24.3
11/14/13	9	Science	7.4	35.6	16.9
11/15/13	Return transit, leg 1	Transit	8.5	44.1	8.4
11/15/13	Return transit, leg 2	Transit	1.1	45.2	7.3

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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
09/27/13	FCF / ECF #1	Check	2	2	98	
10/26/13	PCF	Check	3.7	5.7	94.3	
10/29/13	Transit (incomplete)	Transit	5.2	10.9	89.1	
10/30/13	Transit	Transit	7.9	18.8	81.2	
10/31/13	1	Science	7.2	26	74	
11/01/13	2	Science	7.3	33.3	66.7	
11/04/13	3	Science	6.4	39.7	60.3	
11/05/13	4	Science	7.8	47.5	52.5	