

OIB 2017 - Other: 09/05/17 Science Report

Aircraft: Other: Dynamic Aviation B200 T - 17M048

Date: Tuesday, September 5, 2017

Mission: OIB 2017

Mission Location: Kangerlussuaq, Greenland

Mission Summary:

Hi everyone,

LVIS completed an extended version of the SEgrid2 flight today, adding as many additional grid lines close to Kangerlussuaq as possible before returning to base. We were also able to map the K-transect, with the mapping split between the transit out and transit home to ensure accurate coverage of the sections. It was cold and clear today over much of southern Greenland, and we tried to take maximum advantage of that with a 7 hour flight in the King Air (not quite as long as yesterday though at 7.5!). LVIS and camera operated normally throughout the flight, with few impacts due to clouds throughout the flight. Thin clouds were beginning to form on the east coast but the plane was below these for the most part.

Attached are a couple of images from 28,000' taken by LVIS operators Dan Hopf and David Rabine whilst on the east coast.

Thanks,
Michelle

Images:

Views of coastal glaciers in SE Greenland, taken from 28,000'



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Views of coastal glaciers in SE Greenland, taken from 28,000'



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

File:

 [lvis_SEgrid2_plus_905.pdf](#)

Related Flight Report:

Other: Dynamic Aviation B200 T 09/05/17

Flight Number: OIBSM17-SciF07

Payload Configuration: OIB-LVISF2017

Nav Data Collected: No

Total Flight Time: 7.3 hours

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

Flight Segments:

From:	BGSF	To:	BGSF
Start:	09/05/17 10:45 Z	Finish:	09/05/17 18:04 Z

Flight Time:	7.3 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.

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