

OIB - HU-25C Guardian #524 09/12/16 Science Report

Aircraft: [HU-25A Guardian - LaRC #524](#) (See full schedule)

Date: Monday, September 12, 2016

Mission: OIB

Mission Location: Kangerlussuaq, Greenland

Mission Summary:

20160912b

Mission: Falcon Jakobshavn Mop-up (priority: n/a)

This mopup mission consists of southwestern portions of the Thomas-Jakobshavn 01 mission, and northwestern segments of the Southwest Coastal C missions, which were obscured by clouds when those missions were flown.

This morning's clear weather over western Greenland continued this afternoon, while central and eastern Greenland were still obscured by clouds. We elected to fly this relatively short mop-up mission, along with two medium-altitude ramp passes over Kangerlussuaq, to take full advantage of today's unusually clear weather.

All instruments performed well.

We conducted ramp passes at 10,000' and 7000'.

Data volumes:

CAMBOT: 15 Gb images

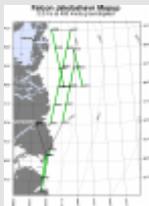
Narrow Swath ATM: 17 Gb

FLIR: 5.1 Gb

total data collection time: 2.4 hrs

Images:

Map of Falcon - Jakobshavn Mop-up



[Read more](#)

Southwest Greenland landscape



[Read more](#)

Jakobshavn Glacier



[Read more](#)

Sukkertoppen



[Read more](#)

Submitted by: John Sonntag on 10/01/16

Related Flight Report:

HU-25A Guardian #524 09/12/16

Flight Number: OIB 2016 on HU-25 #31

Payload Configuration: ATM

Nav Data Collected: No

Total Flight Time: 2.7 hours

Submitted by: Richard Yasky on 09/30/16

Flight Segments:

From:	BGSF	To:	BGSF
Start:	09/12/16 15:07 Z	Finish:	09/12/16 17:50 Z
Flight Time:	2.7 hours		
Log Number:	16F003	PI:	Nathan Kurtz
Funding Source:	Thomas Wagner - NASA - SMD - ESD Cryospheric Science		
Purpose of Flight:	Science		
Comments:	Falcon Jakobshavn Mopup flown as second flight of the day with clear skies allowing for successful data collection. Nearly 100 % collection and ramp passes at 10,000 and 7000 feet before a full stop prior to field closure.		

Flight Hour Summary:

	16F003
Flight Hours Approved in SOFRS	121.25
Total Used	126.9
Total Remaining	-5.65

16F003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
06/29/16	OIB 2016 on HU25A ICF	Science	2	2	119.25	
07/11/16	OIB 2016 on HU25A #1	Ferry	2.6	4.6	116.65	
07/11/16	OIB 2016 on HU25A #2	Ferry	2.5	7.1	114.15	
07/11/16 - 07/12/16	OIB 2016 on HU25A #3	Ferry	2.2	9.3	111.95	
07/12/16 - 07/13/16	OIB 2016 on HU25A #4	Ferry	2.6	11.9	109.35	
07/13/16	OIB 2016 on HU25A #5	Science	3.4	15.3	105.95	
07/14/16	OIB 2016 on HU25A #6	Science	3.5	18.8	102.45	
07/15/16	OIB 2016 on HU25A #7	Science	3.7	22.5	98.75	

07/19/16 - 07/20/16	OIB 2016 on HU25A #8	Science	3.6	26.1	95.15
07/20/16	OIB 2016 on HU25A #9	Science	3.4	29.5	91.75
07/21/16	OIB 2016 on HU25A #10	Science	3.6	33.1	88.15
07/22/16	OIB 2016 on HU25A #11	Ferry	3.9	37	84.25
07/22/16	OIB 2016 on HU25A #12	Ferry	3.2	40.2	81.05
07/22/16	OIB 2016 on HU25A #13	Ferry	2.1	42.3	78.95
08/23/16	OIB 2016 on HU-25 #14	Science	2.3	44.6	76.65
08/25/16	OIB 2016 on HU-25 #15	Ferry	3.2	47.8	73.45
08/25/16	OIB 2016 on HU-25 #16	Ferry	2.2	50	71.25
08/27/16	OIB 2016 on HU-25 #17	Science	3.7	53.7	67.55
08/29/16	OIB 2016 on HU-25 #18	Science	3.8	57.5	63.75
08/29/16	OIB 2016 on HU-25 #19	Science	3.5	61	60.25
09/01/16	OIB 2016 on HU-25 #20	Science	3.4	64.4	56.85
09/02/16	OIB 2016 on HU-25 #21	Science	3.8	68.2	53.05
09/02/16	OIB 2016 on HU-25 #22	Science	3.8	72	49.25
09/05/16	OIB 2016 on HU-25 #23	Science	0.6	72.6	48.65
09/06/16	OIB 2016 on HU-25 #24	Science	3.5	76.1	45.15
09/09/16	OIB 2016 on HU-25 #25	Science	3.5	79.6	41.65
09/09/16	OIB 2016 on HU-25 #26	Science	3.5	83.1	38.15
09/10/16	OIB 2016 on HU-25 #27	Science	3	86.1	35.15
09/11/16	OIB 2016 on HU-25 #28	Science	3.9	90	31.25
09/11/16	OIB 2016 on HU-25 #29	Science	3.7	93.7	27.55
09/12/16	OIB 2016 on HU-25 #30	Science	3.3	97	24.25
09/12/16	OIB 2016 on HU-25 #31	Science	2.7	99.7	21.55
09/13/16	OIB 2016 on HU-25 #32	Science	4	103.7	17.55
09/13/16	OIB 2016 on HU-25 #33	Science	2.9	106.6	14.65
09/15/16	OIB 2016 on HU-25 #34	Science	3.7	110.3	10.95
09/16/16	OIB 2016 on HU-25 #35	Ferry	2.4	112.7	8.55

09/16/16	OIB 2016 on HU-25 #35	Ferry	1.7	114.4	6.85
09/16/16	OIB 2016 on HU-25 #35	Ferry	1.7	116.1	5.15
09/17/16	OIB 2016 on HU-25 #38	Ferry	2.8	118.9	2.35
09/17/16	OIB 2016 on HU-25 #38	Ferry	2.9	121.8	-0.55
09/19/16	OIB 2016 on HU-25 #40	Ferry	2.5	124.3	-3.05
09/19/16	OIB 2016 on HU-25 #40	Ferry	2.6	126.9	-5.65

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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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Source URL: https://airbornescience.nasa.gov/science_reports/OIB_-_HU-25C_Guardian_524_09_12_16_Science_Report_0#comment-0