

Gulfstream V - JSC 11/19/19 - 11/20/19

Aircraft: [Gulfstream V - JSC \(See full schedule\)](#)

Flight Number: GV-72

Payload Configuration: OIB

Nav Data Collected: No

Total Flight Time: 10.4 hours

Submitted by: Debra Willett on 11/20/19

Flight Segments:

From:	YMHB	To:	YMHB
Start:	11/19/19 21:41 Z	Finish:	11/20/19 08:03 Z
Flight Time:	10.4 hours		
Log Number:	205003	PI:	Joseph MacGregor
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		
Miles Flown:	4500 miles		

Flight Hour Summary:

	205003
Flight Hours Approved in SOFRS	350
Total Used	248.4
Total Remaining	101.6

205003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/17/19	GV-48	Science	1.9	1.9	348.1	800
10/17/19	GV-49	Science	3.2	5.1	344.9	1400
10/19/19	GV-50	Transit	8.2	13.3	336.7	3600
10/21/19 - 10/22/19	GV-51	Transit	5.3	18.6	331.4	2300
10/22/19	GV-52	Transit	7	25.6	324.4	3100
10/23/19 - 10/24/19	GV-53	Science	10.2	35.8	314.2	4400
10/24/19 - 10/25/19	GV-54	Science	10.1	45.9	304.1	4400
10/26/19 - 10/27/19	GV-55	Science	10.4	56.3	293.7	4500
10/27/19 - 10/28/19	GV-56	Science	10.2	66.5	283.5	4400
10/28/19 - 10/29/19	GV-57	Science	10.1	76.6	273.4	4400
10/29/19 - 10/30/19	GV-58	Science	10	86.6	263.4	4400
10/31/19 - 11/01/19	GV-59	Science	10.2	96.8	253.2	4400
11/02/19 - 11/03/19	GV-60	Science	10.6	107.4	242.6	4600
11/03/19 - 11/04/19	GV-61	Science	9.6	117	233	4200
11/04/19 - 11/05/19	GV-62	Science	10.3	127.3	222.7	4500
11/05/19 - 11/06/19	GV-63	Science	10.2	137.5	212.5	4400

11/07/19 - 11/08/19	GV-64	Science	10	147.5	202.5	4400
11/08/19 - 11/09/19	GV-65	Science	9.5	157	193	4100
11/09/19 - 11/10/19	GV-66	Science	10.2	167.2	182.8	4400
11/13/19 - 11/14/19	GV-67	Science	10.2	177.4	172.6	4400
11/14/19 - 11/15/19	GV-68	Science	10.4	187.8	162.2	4500
11/16/19 - 11/17/19	GV-69	Science	9.9	197.7	152.3	4300
11/17/19 - 11/18/19	GV-70	Science	9.9	207.6	142.4	4300
11/18/19 - 11/19/19	GV-71	Science	10.3	217.9	132.1	4500
11/19/19 - 11/20/19	GV-72	Science	10.4	228.3	121.7	4500
11/20/19 - 11/21/19	GV-73	Science	3.5	231.8	118.2	1500
11/25/19	GV-74	Ferry	5.7	237.5	112.5	2500
11/26/19	GV-75	Ferry	10.9	248.4	101.6	4700

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.

Related Science Report:

OIB - Gulfstream V - JSC 11/20/19 Science Report

Mission: OIB

Mission Summary:

Mission: Cook-Ninnis 01
Priority: High

This mission is designed to survey the the Cook and Ninnis Glaciers, in conjunction with the Cook- Ninnis 02-04 flights. This particular flight surveys flux gates above the two glaciers, and one coast- parallel grid line, which lies almost entirely above the grounding line. The grid is designed to supplement earlier airborne measurements collected by the ICECAP Project, with our lines falling midway between the ICECAP lines.

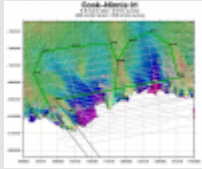
An easy call today with consistent forecast and imagery, with moderately-strong katabatic outflow predominating in this region. Morning satellite imagery confirmed the area was clear. We experienced completely clear skies and occasional light turbulence. All instruments performed well, 100% successful data collection minus the bad MCoRDS channel. Due to fuel concerns, we began climbout 60 km prior to the final waypoint (on the easternmost leg of the Cook fluxgate), but continued collecting data on all instruments until past the final waypoint. We performed a ramp pass at 1500 ft AGL on arrival at Hobart.

Attached images:

1. Map of today's mission (John Sonntag / NASA)
2. Left winglet of N95NA during a turn, over a background of strikingly large sastrugi on slow-moving ice between Cook and Ninnis Glaciers (John Sonntag / NASA)
3. Snow-covered crevasses on upper Ninnis Glacier, with the vast interior of East Antarctica stretching to the horizon (Caitlin Locke / LDEO)

Images:

Map of today's mission



[Read more](#)

Left winglet of N95NA during a turn, over a background of strikingly



[Read more](#)

Snow-covered crevasses on upper Ninnis Glacier, with the vast



[Read more](#)

Submitted by: Joseph MacGregor on 11/20/19

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Marilyn Vasques

Source URL: https://espo.nasa.gov/oracles/flight_reports/Gulfstream_V_-_JSC_11_19_19_-_11_20_19#comment-0