

LVIS Fall 2018 Engineering Flights - B200 - LARC 11/07/18 Science Report

Aircraft: [B200 - LARC \(See full schedule\)](#)

Date: Wednesday, November 7, 2018

Mission: LVIS Fall 2018 Engineering Flights

Mission Location: Delmarva Peninsula

Mission Summary:

Calibration flight of LVIS to verify laser pointing alignment

Purpose of this flight was to verify long-term thermal stability of the LVIS instrument, performing several calibration maneuvers per hour while mapping a section of the Delmarva Peninsula.

Weather was clear for the first half of the planned lines, but mid-afternoon the cloud cover prevented science data from being collected, so the mission was terminated early after completing 4 (of 8) mapping lines.

Submitted by: Wu, Albert on 11/09/18

Related Flight Report:

B200 - LARC 11/07/18

Flight Number: LVIS #1

Payload Configuration: LVIS

Nav Data Collected: No

Total Flight Time: 2.6 hours

Submitted by: Taylor Thorson on 11/09/18

Flight Segments:

From:	klfi	To:	klfi
Start:	11/07/18 13:07 Z	Finish:	11/07/18 15:44 Z
Flight Time:	2.6 hours		
Log Number:	19b005	PI:	James Blair
Funding Source:	James Blair - NASA - SMD - ESD GSFC Laser Remote Sensing Branch		
Purpose of Flight:	Science		

Flight Hour Summary:

	19b005
Flight Hours Approved in SOFRS	10
Total Used	9.5
Total Remaining	0.5

19b005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/07/18	LVIS ICF	Science	1.7	1.7	8.3	0
11/07/18	LVIS #1	Science	2.6	4.3	5.7	0
01/31/19	LVIS #2	Science	5.2	9.5	0.5	0

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.

Flight Tracks:

Attachment	Size
 20181107 LVIS PM Flight Lines	8.35 KB

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NASA Official: Bruce A. Tagg

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