September 10, 2019 Payload 1 Daily Flight Report

Date: 2019-09-10
Flight Campaign ID: 2019_P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00
Sites Flown: H10B (NEON Headquarters Lidar Test - modified cross-track)
Days left in Domain: 0

Report Author: John Adler
Flight Crew: John Adler, Matt Devoe
Ground/GPS: Nick Marusich
Pilots: Chad Evans, Wesley Wyatt
Additional Personnel: none
GPS Instruments: 01 - KBDU

Flight Hours: 00:51
Hours until maintenance: 22.53

Summary: Today's flight began with an attempt at the Boresight/Geo-Cal mission, but the clouds were too thick. We completed the HQ LIDAR Validation flight, and returned to Boulder Airport.

Concerns: None

Comments: None

Flight Screenshots:
## Daily Coverage

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<tr>
<th>D00</th>
<th>H10B</th>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
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## Cumulative Domain Coverage

### B10B

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Flown: 100% (20/20)
Green: 0% (0/20)
Yellow: 100% (20/20)
Red: 0% (0/20)

### H10B

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Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 100% (4/4)
Red: 100% (4/4)

### O10A

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Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 500% (10/2)
Red: 0% (0/2)

### R10B

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Flown: 100% (5/5)
Green: 200% (10/5)
Yellow: 100% (5/5)
Red: 0% (0/5)

### W10B

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Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 200% (4/2)

### N10C

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Flown: 100% (14/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 200% (28/14)
Weather Forecast
Greeley, CO

Boulder, CO

Flight Collection Plan for 11 September 2019
Calibration Flights
- B10B – Boresight/Geo-Cal – 40° solar angle time: 16:20 UTC/10:20 L
- R10A – Radiometric – 45° solar angle time: 16:50 UTC/10:50 L
- O10A – NIS Offset – 40° solar angle time: 16:20 UTC/10:20 L

Crew: Matt DeVoe (Lidar), John Adler (NIS) - Text check-in @ 0800