



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

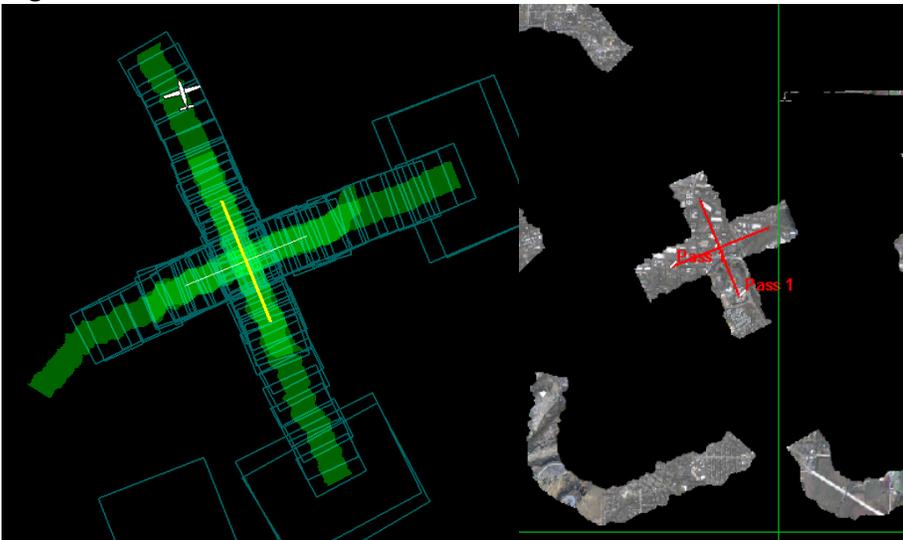
Hours until maintenance: 22.53

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:



Lidar

NIS

Daily Coverage

D00 H10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
Flown:	4							

Cumulative Domain Coverage

B10B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

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

H10B

1	2	3	4
---	---	---	---

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

O10A

1	2
---	---

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

R10B

1	2	3	4	5
---	---	---	---	---

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

W10B

1	2
---	---

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

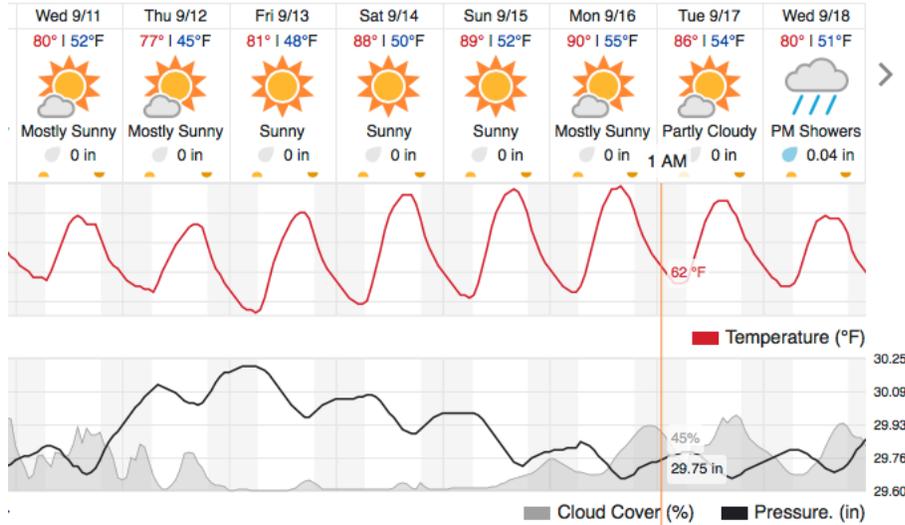
N10C

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

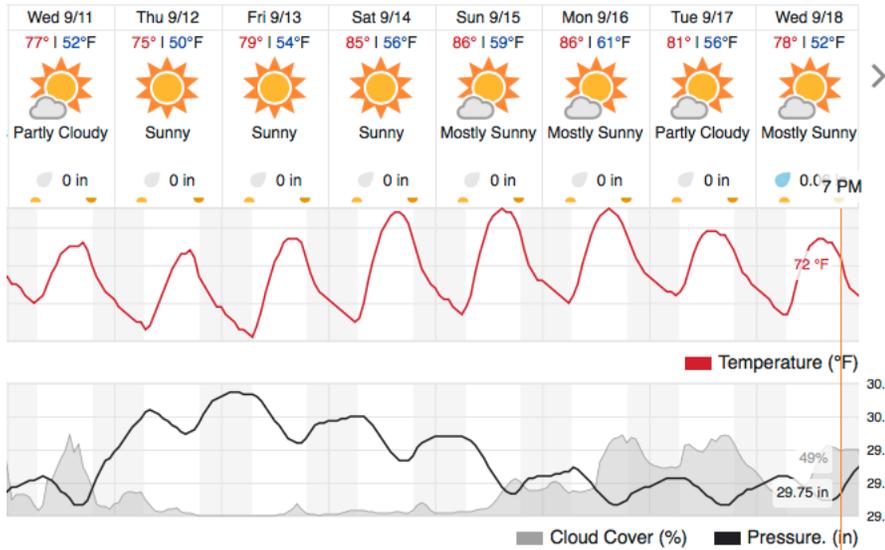
Flown: 100% (14/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 200% (28/14)

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