



## Payload 2 Daily Flight Report



**Date:** 2020-06-10

**Flight Campaign ID:** P2C1

**Airport, FBO ID, City:** Rocky Mountain Metropolitan Airport (KBJC) - Broomfield, CO

**Domain:** 00 (Training & Calibration)

**Sites Flown:** O10A (NIS Offset), V10C (Boulder City Nominal)

**Days left in Domain:** 1

**Report Author:** Ivana Vu

**Lidar Operators:** Ivana Vu

**Spectrometer Operators:** John Adler

**Pilots:** Stephen Brawders, Will Matthews

**Ground Crew:** Matt Devoe

**Flight Hours:** 02:15, 00:24, 00:21, 00:23, 00:24

**Hours until maintenance:** 98.18

**GPS Instruments:** 10 - NGN-KBDU, C-TMGO, U-P041

### Summary

Crew conducted a camera test flight as well as the NIS Offset calibration. All training and calibration flights have been now been completed, and the plane will be packed tomorrow in preparation for the transit to D09 on Friday.

### Concerns

None

### Comments

None

### Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

#### D00|V10C

Line #	9	10	11	12	13	17	18	19	25	26	27	28
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

Total number of lines flown: 12

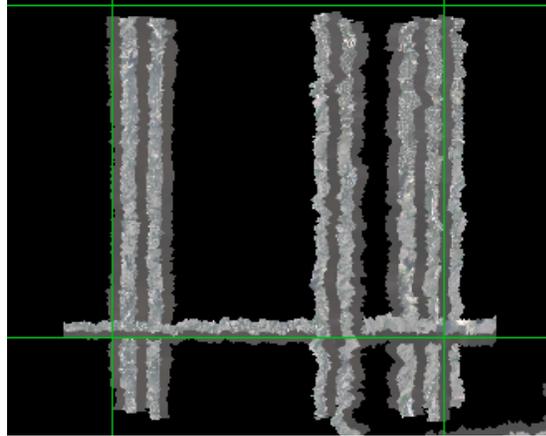
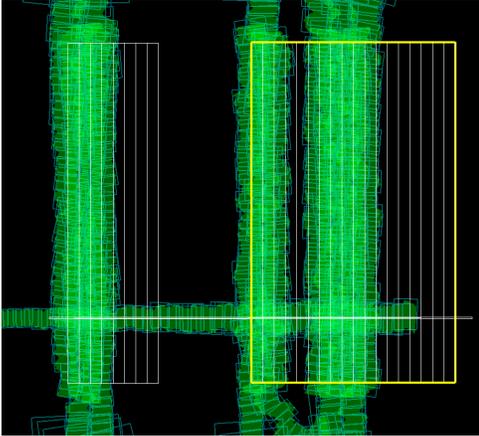
#### D00|O10A

Line #	1	2
Lidar		
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

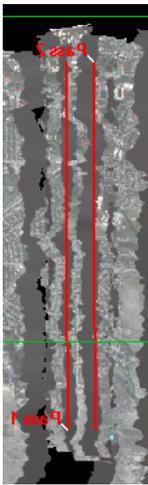
Total number of lines flown: 2

## Flight Screenshot

V10C



O10A



## Cumulative Domain Coverage

D00 | B10B (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 500m)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Flown: 100% (20/20)

Green: 0% (0/20)

Yellow: 100% (20/20)

Red: 0% (0/20)

D00 | H10B (NEON Headquarters Lidar Test - modified cross-track)

1	2	3	4
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Flown: 100% (4/4)

Green: 50% (2/4)

Yellow: 50% (2/4)

Red: 0% (0/4)

D00 | N10C (Nominal Runway at KBDU - Optech)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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Flown: 100% (14/14)

Green: 0% (0/14)

Yellow: 0% (0/14)

Red: 100% (14/14)

D00 | O10A (NIS Offset)

1 2

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

D00 | R10A (Table Mountain Radiometric Calibration)

1 2 3 4 5

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

D00 | W10B (Wiggle Timing Test)

1 2

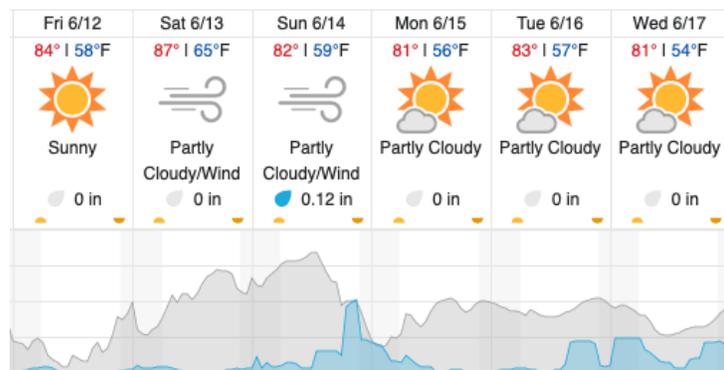
Flown: 100% (2/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 100% (2/2)

Weather Forecast

Boulder, CO



Bismarck, ND



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 11 June 2020

No flights scheduled

Flight Collection Plan for 12 June 2020

Robb Walker, Michael Wussow  
Transit to D09 – Bismarck, ND