



## March 9, 2019 Payload 2 Daily Flight Report



**Date:** 2019-03-09

**Flight Campaign ID:** 2019\_P2C1

**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO

**Domain:** 00

**Sites Flown:** B10B (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 500m)

**Days left in Domain:** 13

**Report Author:** Robb Walker

**Flight Crew:** Robb Walker, Abe Morrison, Cameron Chapman

**Flight Hours:** 02:30

**Ground/GPS:** Nick Marusich

**Hours until maintenance:** 119.85

**Pilots:** Dylan Malfatti, Mike Francis

**Additional Personnel:**

**GPS Instruments:** 01 - FBO\_KBDU, U-CHLL

### Summary

Some scattered clouds and wet ground conditions prevented attempt at Radiometric Calibration flight. Greeley Boresight Geocalibration was completed under green conditions. Welcome back Miss Vu!

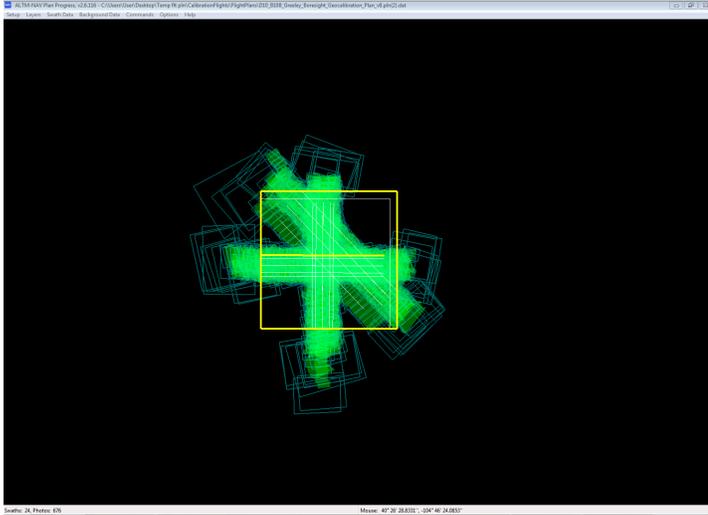
### Concerns

N/A

### Comments

- Nick Marusich completed certification on ground duties.
- Robb Walker completed Lidar certification.
- Abe Morrison completed NIS certification.

### Flight Screenshots



Lidar



NIS

**Pictures**



Conditions over Greeley during Boresight flight



Twin Otter arrival after a bumpy day in Greeley

## Daily Coverage

D00 B10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
Flown:	20							

## Cumulative Domain Coverage

### B10B

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: 100% (20/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

### H10B

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

Flown: 100% (4/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 100% (4/4)

### N10C

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

Flown: 100% (/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

### O10A

1	2
---	---

Flown: 0% (0/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

### R10A

1	2	3	4	5
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Flown: 0% (0/5)  
Green: 0% (0/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

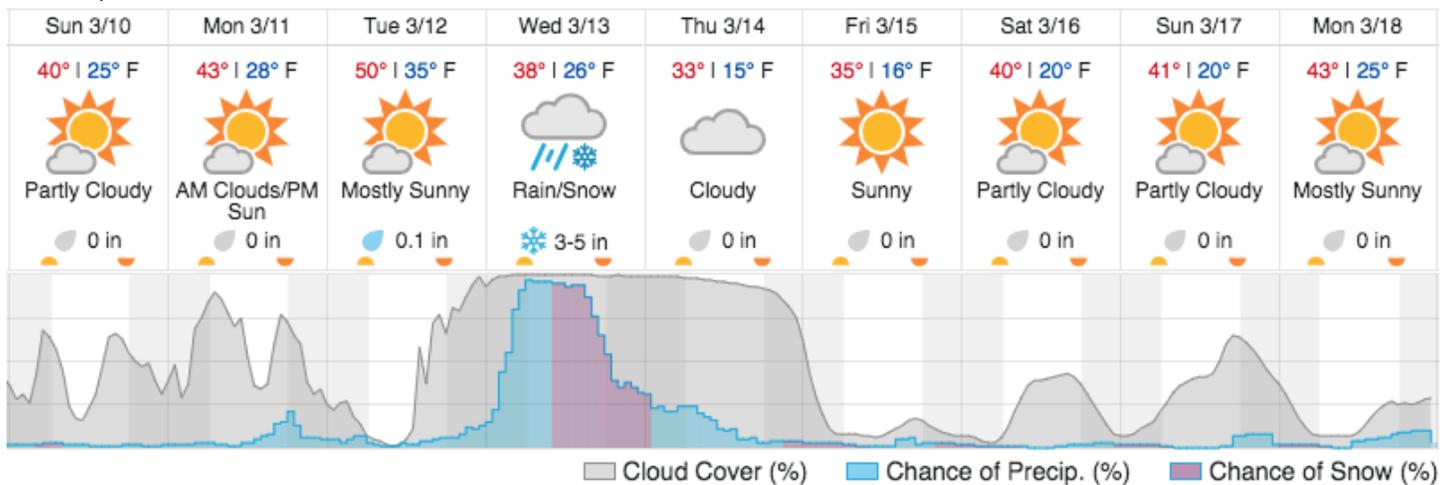
### W10B

1	2
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Flown: 100% (2/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 100% (2/2)

### Weather Forecast

Boulder, CO



### Flight Collection Plan for 10 March 2019

Flyority 1

Collection Area: Radiometric Calibration - Table Mountain

Flight Plan Name: D10\_R10A\_Radiometric\_Calibration\_Table\_Mountain\_v1.pln

On Station Time: 1140 Local / 1740 UTC (45 deg)

Flyority 2

Collection Area: NIS Offset

Flight Plan Name: D10\_O10A\_NIS\_Offset\_v1.pln

On Station Time: 0950 Local / 1650 UTC

Crew: **Lidar:** Cameron Chapman - **NIS** Robb Walker – **Ground:** Abe Morrison