



September 18, 2019 Payload 2 Daily Flight Report



Date: 2019-09-18

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: 5

Report Author: Cameron Chapman

Flight Crew: Cameron Chapman, Robb Walker

Ground/GPS: Abe Morrison

Pilots: Chad Evans, Wesley Wyatt

Additional Personnel:

GPS Instruments: 01 - FBO_KBDU, U-CHLL

Flight Hours: 02:34

Hours until maintenance: 75.30

Summary

With clouds rapidly building over boulder, the crew focused on the Boresight Calibration flight in Greeley Colorado. This flight was flown in conjunction with payload 3. We were able to complete 15 lines in green conditions and the remaining 5 lines in yellow conditions.

Concerns

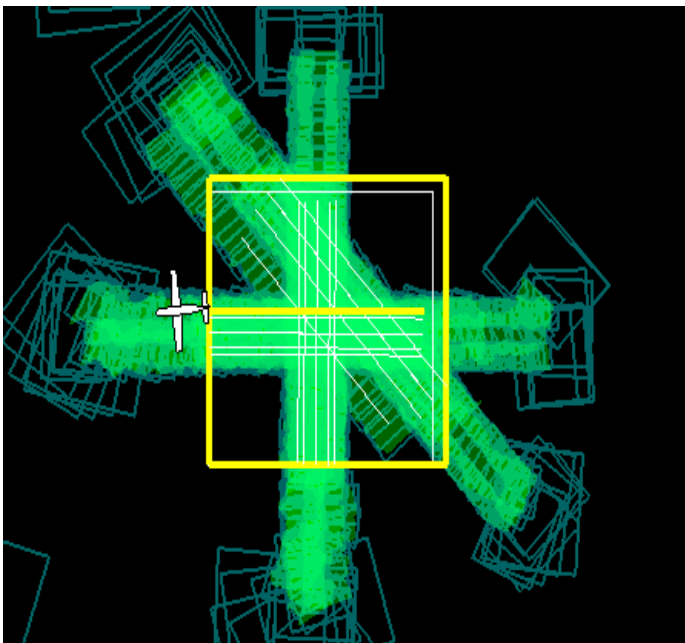
- None

Comments

- None

Flight Screenshots

Lidar



NIS



Pictures



Payload 2 & 3 working together to complete the Boresight Calibration flights over Greeley



Payload 2 & 3 working together to complete the Boresight Calibration flights over Greeley



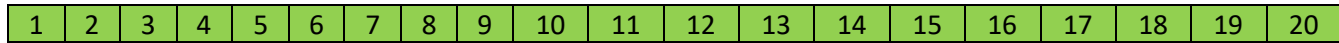
Pictured above: Greeley Colorado

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



Flown: 100% (20/20)
 Green: 175% (35/20)
 Yellow: 25% (5/20)
 Red: 0% (0/20)

H10B



Flown: 100% (4/4)
 Green: 0% (0/4)
 Yellow: 0% (0/4)
 Red: 200% (8/4)

O10A



Flown: 500% (10/2)
 Green: 200% (4/2)
 Yellow: 300% (6/2)
 Red: 0% (0/2)

R10B



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

W10B



Flown: 150% (3/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 250% (5/2)

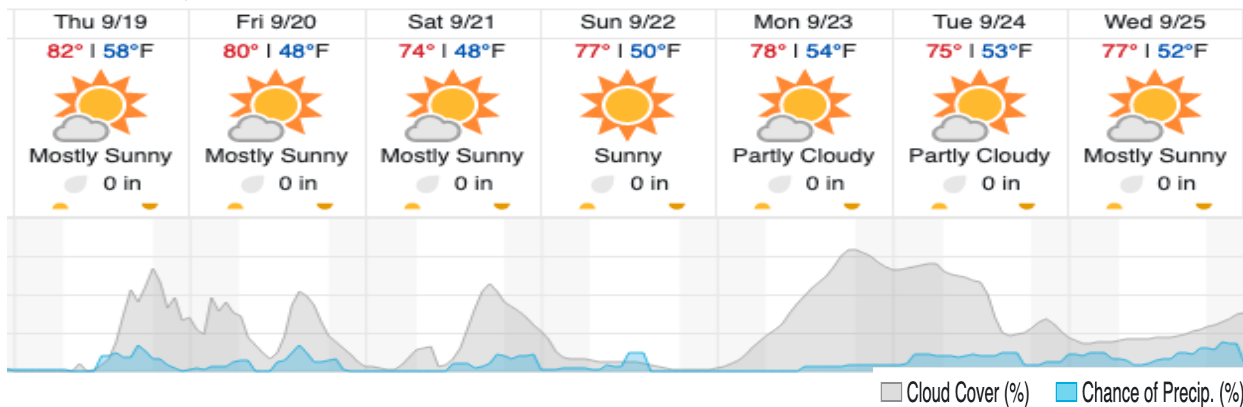
N10C



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

Weather Forecast

Boulder, CO



Flight Collection Plan for 19 September 2019

Calibration Flights

- R10A - Radiometric
- O10A – NIS Offset

Crew: Robb Walker (Lidar), Cameron Chapman (NIS), John Adler (Ground)

Flight Collection Plan for 20 September 2019

Same as previous day.

Crew: Cameron Chapman (Lidar), Robb Walker (NIS), Ivana (Ground)