



September 18, 2019 Payload 3 Daily Flight Report



Date: 2019-09-18

Flight Campaign ID: 2019_P3C1

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

Domain: 00

Sites Flown: B10D_1600m (Greeley Boresight Geocalibration - 1600m - Riegl), B10D_1000m (Greeley Boresight Geocalibration - 1000m - Riegl), B10D_500m (Greeley Boresight Geocalibration - 600m - Riegl)

Days left in Domain: 5

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, John Adler

Flight Hours: 02:39

Ground/GPS:

Hours until maintenance: 07.70

Pilots: Dylan Malfatti, Mike Francis

Additional Personnel:

GPS Instruments: U-CHLL, U-P041

Summary

Crew was able to complete the Boresight Geocalibration flight over Greeley, Colorado under mostly green conditions, while flying in conjuncture with N70AR-Payload 2. Big thanks to the pilots of both crews for being able to communicate effectively throughout the flight, allowing both payloads to capitalize on the morning weather window.

Concerns

None

Comments

None

Daily Coverage

D00 B10D	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

B10D

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

H10C

1	2	3	4
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Flown: 100% (4/4)
 Green: 0% (0/4)
 Yellow: 0% (0/4)
 Red: 100% (4/4)

O10B

1	2
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Flown: 0% (0/20)
 Green: 0% (0/20)
 Yellow: 0% (0/20)
 Red: 0% (0/20)

R10C

1	2	3	4	5
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Flown: 0% (0/20)
 Green: 0% (0/20)
 Yellow: 0% (0/20)
 Red: 0% (0/20)

W10C

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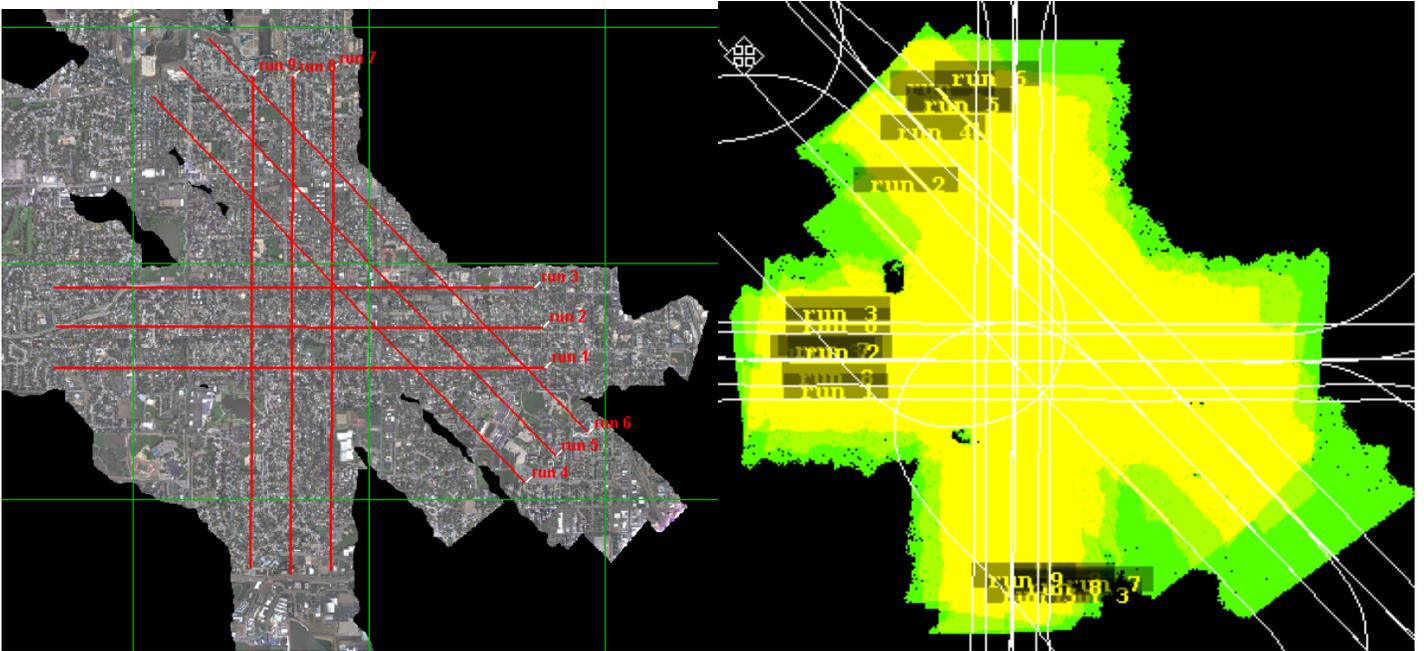
Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

N10D

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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Flown: 100% (14/22)
 Green: 0% (0/22)
 Yellow: 0% (0/22)
 Red: 100% (22/22)

Flight Screenshots: NIS on the left, Lidar on the right

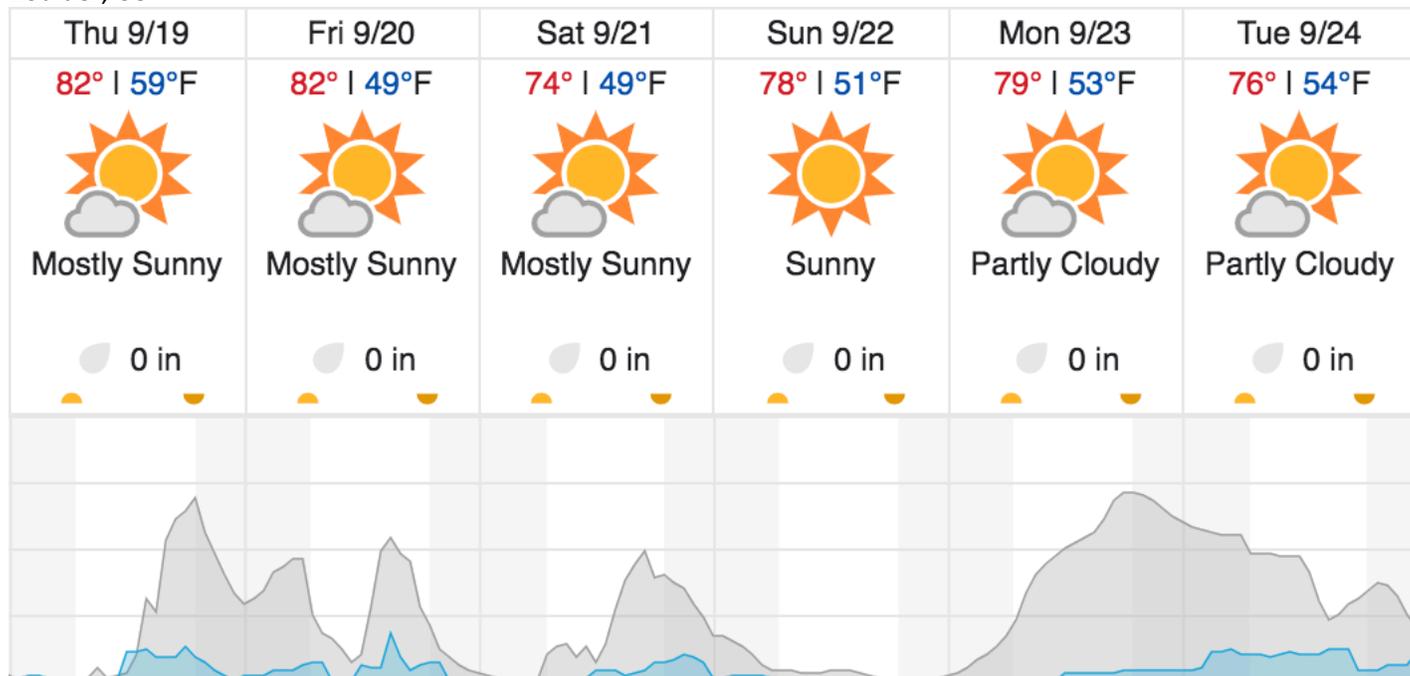


Pictures: Twin Twin Otters flying formation on the transit back after collecting at Greeley.



Weather Forecast

Boulder, CO



Flight Collection Plan for 19 September 2019

Calibration Flights

- R10C - Radiometric
- O10B - NIS Offset

Crew: Matt DeVoe (Lidar), Ivana Vu(NIS)

Flight Collection Plan for 20 September 2019

Same as Previous

Crew: John Adler (Lidar), Abe Morrison (NIS)