



September 15, 2019 Payload 2 Daily Flight Report



Date: 2019-09-15

Flight Campaign ID: 2019_P2C1

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

Domain: 00

Sites Flown: H10B (NEON Headquarters Lidar Test - modified cross-track), W10B (Wiggle Timing Test), N10C (Nominal Runway at KBDU - Optech)

Days left in Domain: 6

Report Author: Robb Walker

Flight Crew: Robb Walker, Elissa Barris

Ground/GPS: Matt Devoe

Pilots: Paul Muth, Chad Evans

Additional Personnel: None

GPS Instruments: 01 - FBO_KBDU

Flight Hours: 02:04

Hours until maintenance: 77.87

Summary

Clouds increasing throughout the day did not support Bore-sight or Radiometric calibration flights. Payload 2 gave way to Payload 3 over KBDU before taking to the skies to complete: Nominal Runway, Wiggle Timing Test and HQ Lidar Validation.

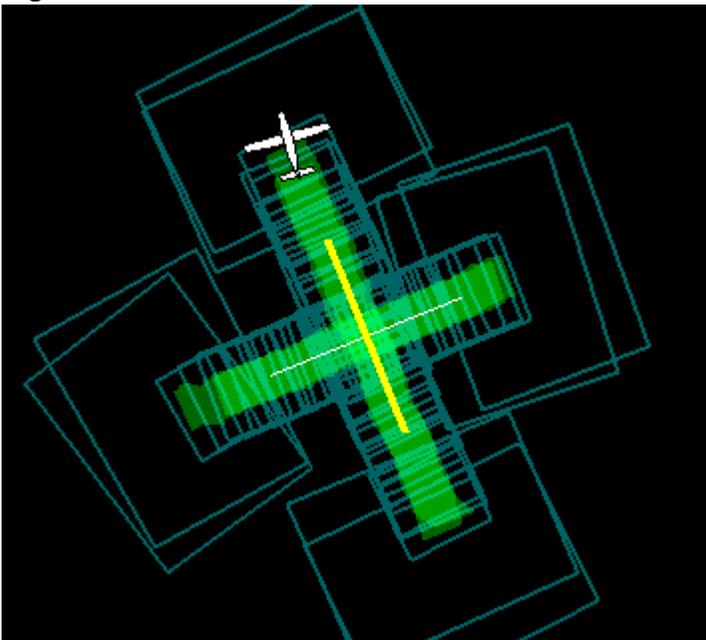
Concerns

None

Comments

-Elissa Barris departed crew for PTO, Happy Hunting!

Flight Screenshots



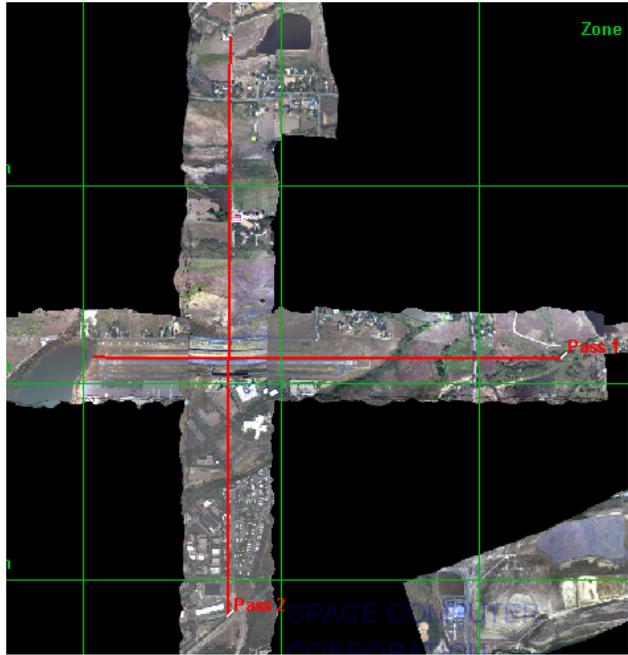
H10B (Lidar)



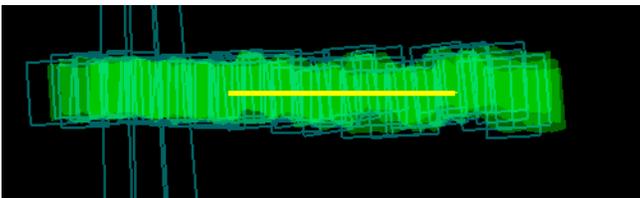
H10B (NIS)



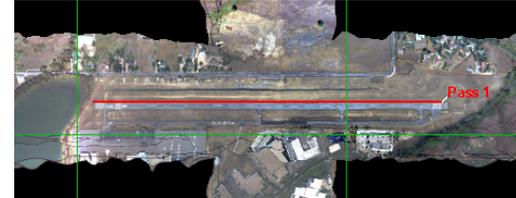
N10C (Lidar)



N10C (NIS)



W10B (Lidar)



W10B (NIS)

Daily Coverage

D00 H10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
Flown:	4							
D00 N10C	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
Flown:	14							
D00 W10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
Flown:	3							

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

O10A

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

R10B

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

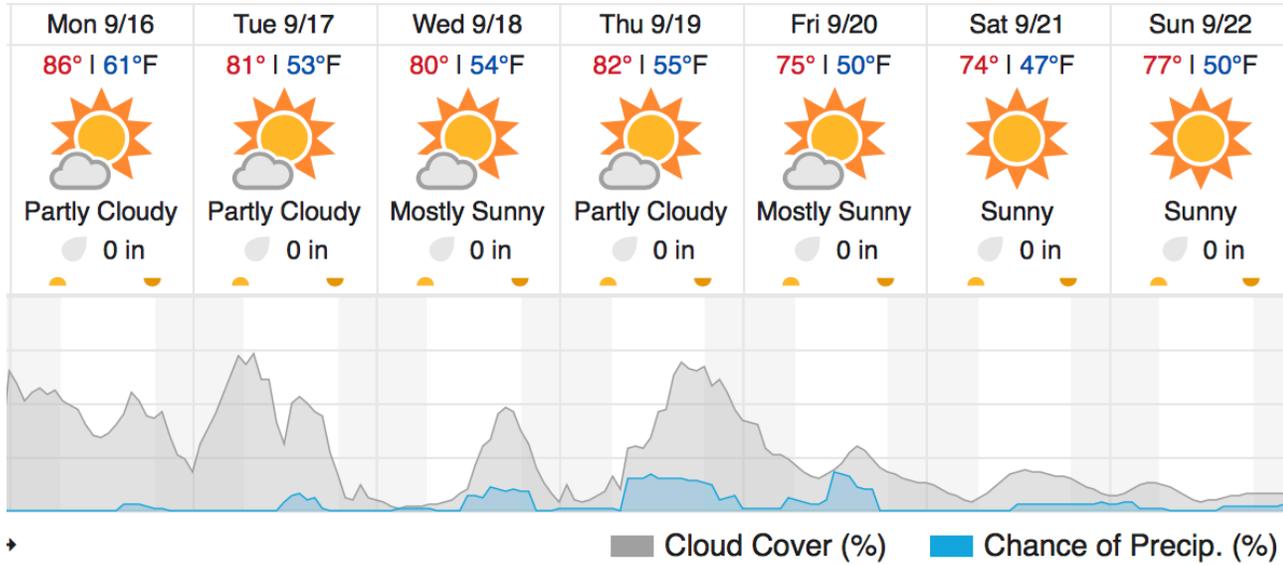
N10C

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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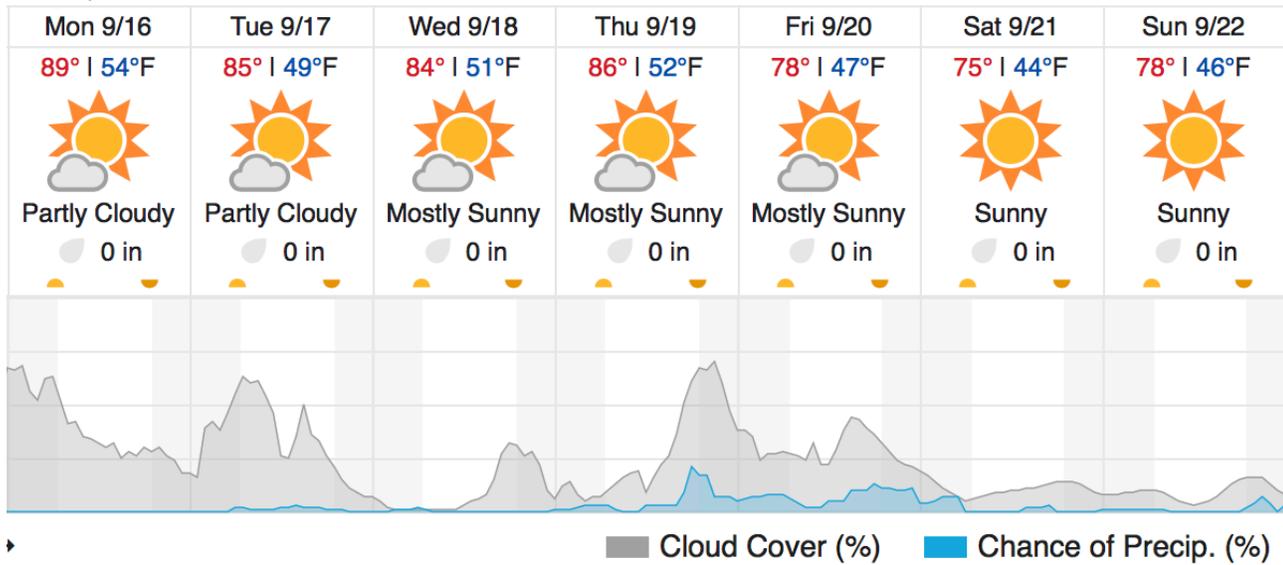
Flown: 100% (14/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 100% (14/14)

Weather Forecast

Boulder, CO



Greeley, CO



Flight Collection Plan for 16 September 2019

Calibration Flights

- B10B – Boresight/Geo-Cal
- R10A - Radiometric
- O10A – NIS Offset

Crew: TBD