



September 3, 2019 Payload 1 Daily Flight Report



Date: 2019-09-03

Flight Campaign ID: 2019_P1C1

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

Domain: 00

Sites Flown: W10B (Wiggle Timing Test), N10C (Nominal Runway at KBDU - Optech)

Days left in Domain: 14

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Matt Devoe

Flight Hours: 01:39

Ground/GPS:

Hours until maintenance: 23.38

Pilots: Chad Evans, Wesley Wyatt

Additional Personnel:

GPS Instruments: AOP_GPS01

Summary

The clouds were high enough today to complete the Nominal Runway and the Wiggle Timing Test calibration flights.

Concerns

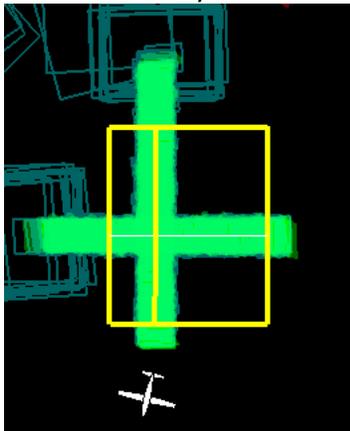
None

Comments

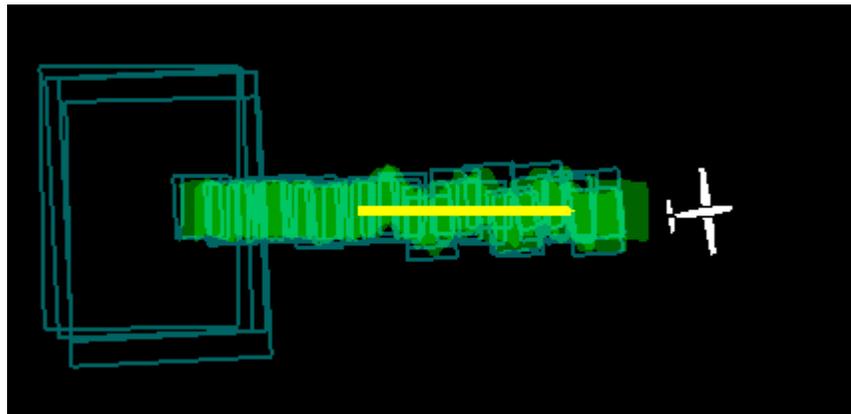
None

Flight Screenshots

Nominal Runway



Wiggle Timing Test



Pictures



Colorado Chautauqua Park under the Flatirons in Boulder CO during today's flight. Pic by Abe M.

Daily Coverage

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
Flown:	2							

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: 0% (0/20)
 Yellow: 100% (20/20)
 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: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 500% (10/2)
 Red: 0% (0/2)

R10B

1	2	3	4	5
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Flown: 100% (5/5)
 Green: 200% (10/5)
 Yellow: 100% (5/5)
 Red: 0% (0/5)

W10B

1	2
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Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 200% (4/2)

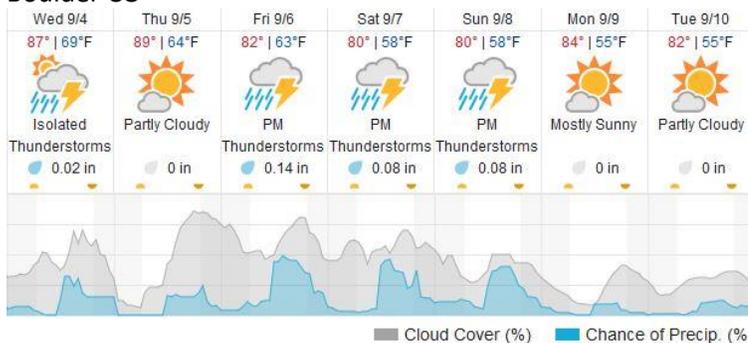
N10C

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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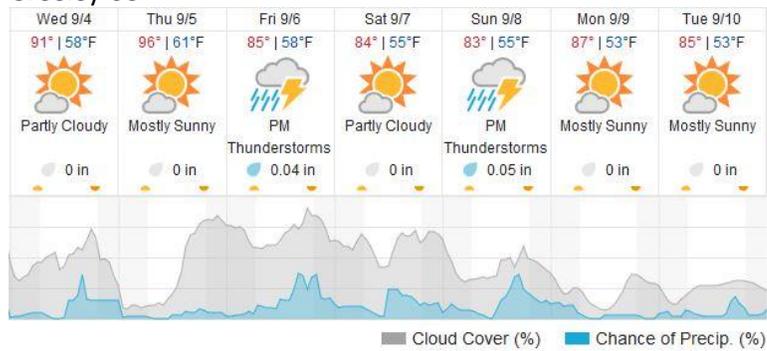
Flown: 100% (14/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 200% (28/14)

Weather Forecast

Boulder CO



Greeley CO



Flight Collection Plan for 4 September 2019

Calibration Flights

- B10B – Boresight/Geo-Cal
- R10A - Radiometric
- H10B – HQ LIDAR Validation
- O10A – NIS Offset

Crew: Abe Morrison, Matt DeVoe, Mike Wussow