



October 17, 2018 Payload 2 Daily Flight Report



Date: 2018-10-17

Flight Campaign ID: 2018_P2C1

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

Domain: 00

Sites Flown: H10B (NEON Headquarters Lidar Test), N10C (Nominal Runway at KBDU), W10B (Wiggle Timing Test)

Days left in Domain: 5

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Robb Walker

Ground/GPS: Matt Devoe

Pilots: Ross Rice, Mike Francis

Additional Personnel:

GPS Instruments: 03 - FBO_KBDU

Flight Hours: 02:29

Hours until maintenance: 53.35

Summary

The Otter arrived back home to Boulder this morning and was immediately pressed into service to fly the calibration flights. The Nominal Runway, Wiggle Timing, and HQ Lidar Validation plans were successfully flown. The weather is looking favorable in the next few days for the remainder of the calibration flights.

Concerns

None

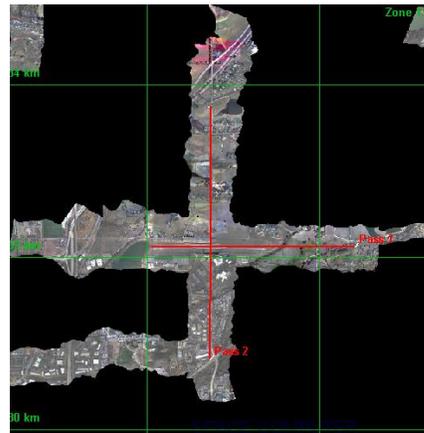
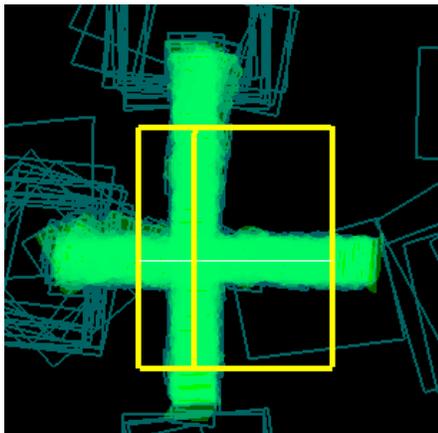
Comments

--Transit to boulder completed this morning.

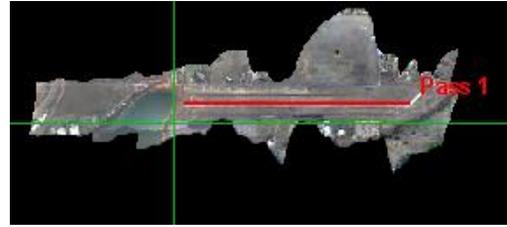
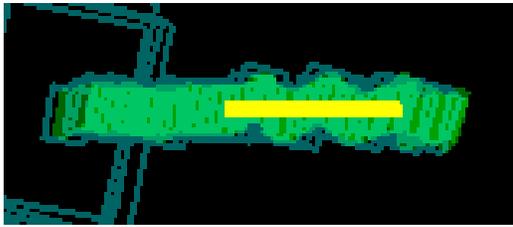
--GPS 3 was deployed at the Boulder Airport this morning.

Flight Screenshots

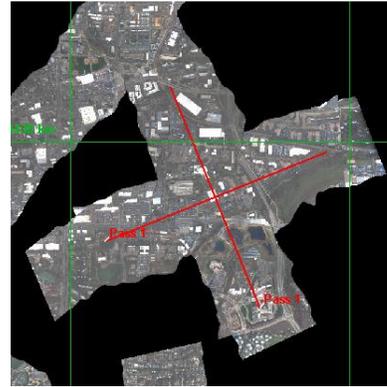
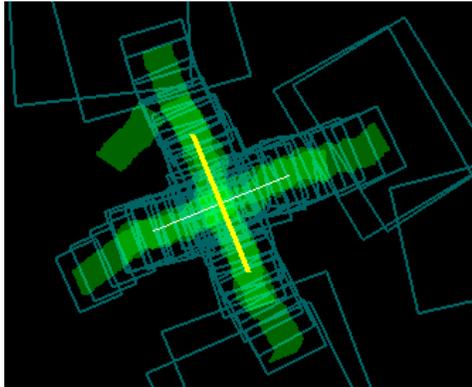
Nominal Runway



Wiggle Timing Test



HQ Lidar Validation



Daily Coverage

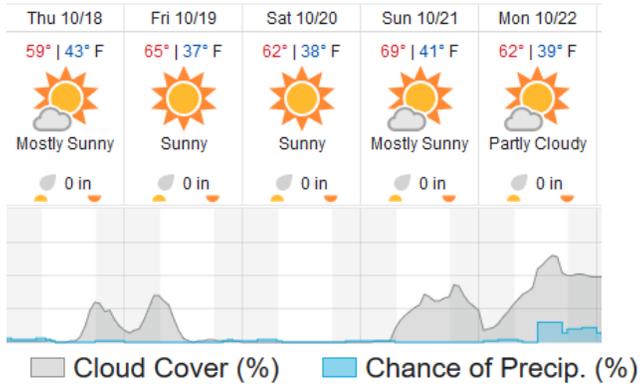
D00 H10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
Flown:	4							
D00 N10C	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	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
Flown:	2							

Cumulative Domain Coverage

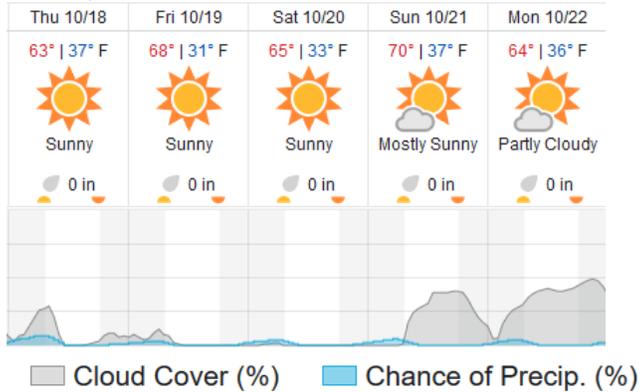
Cumulative Coverage charts not available.

Weather Forecast

Boulder CO



Greeley CO



Flight Collection Plan for 18 October 2018

Collection Area: **Boresight Calibration Geo-Calibration, Greeley CO (B10B)**

Flight Plan Name: D10_B10B_Greeley_Boresight_Geocalibration_Plan_v8.pln

30° On Station Time: 1030 Local / 1630 UTC

Collection Area: **Radiometric Calibration - Table Mountain (R10A)**

Flight Plan Name: D10_R10A_Radiometric_Calibration_Table_Mountain_v1.pln

35° On Station Time: 1110 Local / 1710 UTC

Collection Area: **NIS Offset Flight (O10A)**

Flight Plan Name: D10_O10A_NIS_Offset_v1.pln

35° On Station Time: 1110 Local / 1710 UTC