



September 23, 2018 Payload 3 Daily Flight Report



Date: 2018-09-23

Flight Campaign ID: 2018_P3C1

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

Domain: 00

Sites Flown: N10C (Nominal Runway at KBDU - Riegl), W10C (Wiggle Timing Test - Riegl)

Days left in Domain: 4

Report Author: Robb Walker

Flight Crew: Robb Walker, John Adler

Ground/GPS: Matt Devoe

Pilots: Hans Germann, Stephen Brawders

Additional Personnel: None

GPS Instruments: 07 - KBDU

Flight Hours: 03:00

Hours until maintenance: 31.05

Summary

Crew completed Nominal Runway and Wiggle Timing Test today with heavy weekend air traffic and some bumpy conditions. Great work flight!

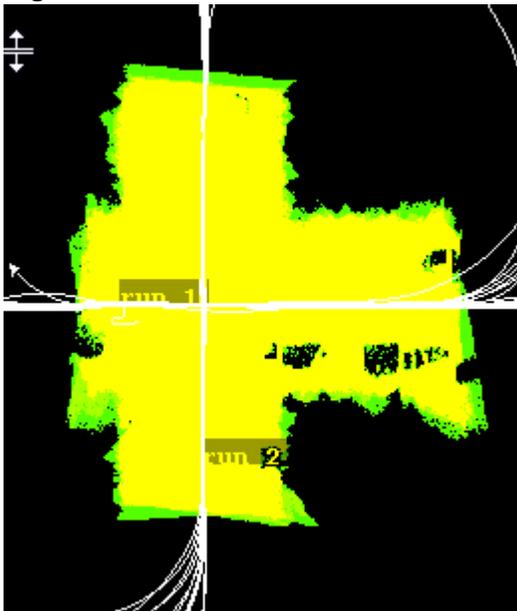
Concerns

None

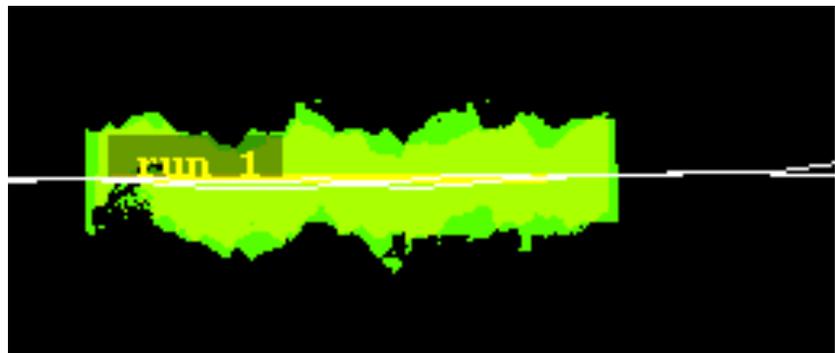
Comments

- GPS 7 was deployed at KBU, GPS 2 is was set up to upload remaining BB Flux data and UNAVCO was emailed regarding 1-sec data for CHLL (Greeley).
- Last BB Flux flight is extracting.
- Pilot Hans Germann has replaced Grant Frost. Welcome back Hans!

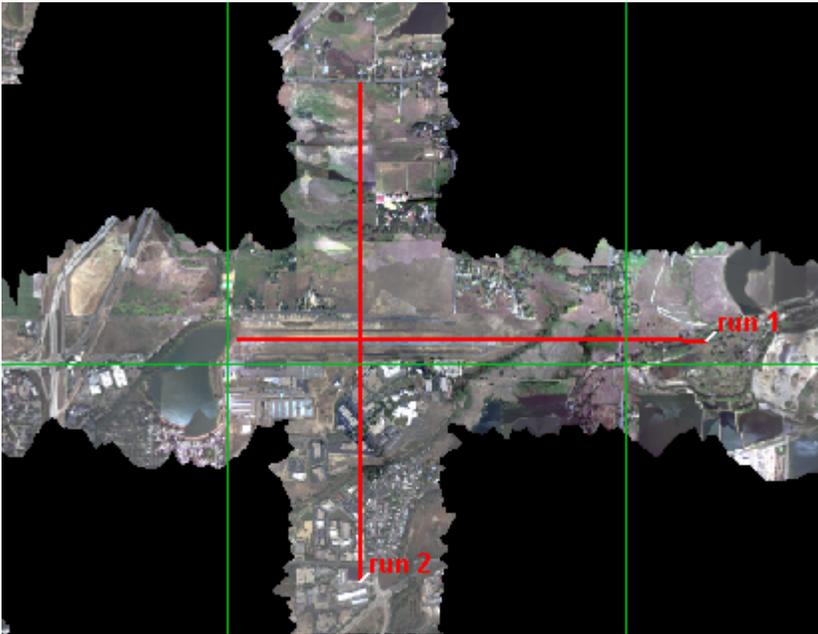
Flight Screenshots



Lidar N10C



W10C



NIS N10C and W10C

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
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
Flown:	26							
D00 W10C	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative

	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
Flown:	2							

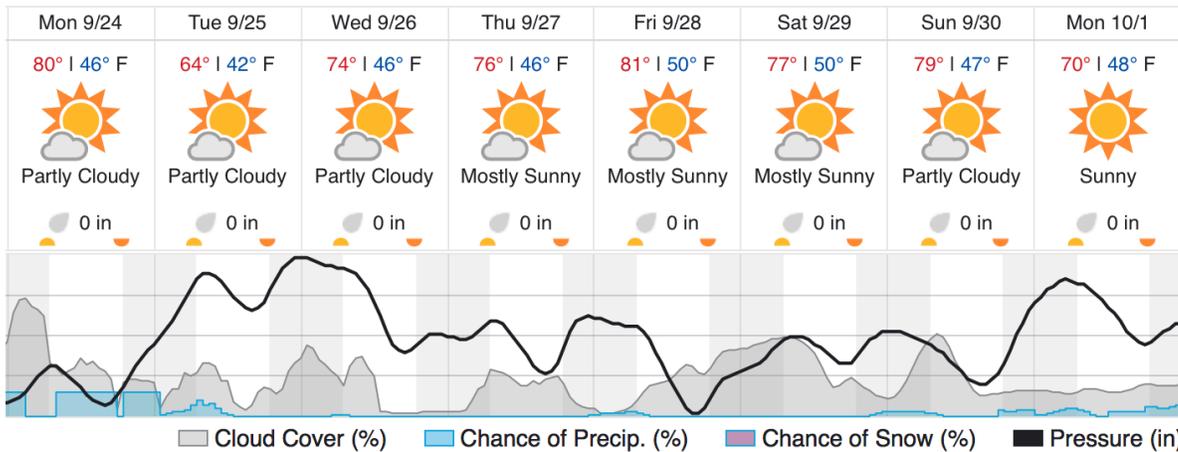
Cumulative Domain Coverage

Calibration Flights Completed: Nominal Runway Survey, Wiggle Timing Test

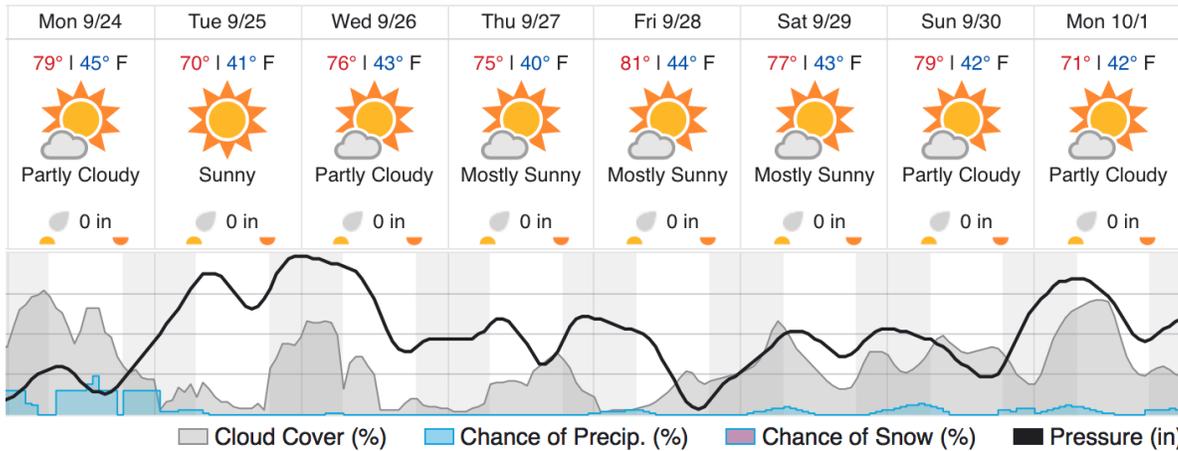
Not Complete: Greeley Boresight, NIS Offset Flight, Neon HQ Lidar Validation

Weather Forecast

Boulder, CO



Greeley, CO



Flight Collection Plan for 24 September 2018

Flyority 1

Collection Area: Greeley Boresight Calibration

Flight Plan Name: D10_B10D_Boresight_1600m_Q780, D10_B10D_Boresight_1000m_Q780, and D10_B10D_Boresight_500m_Q780

On Station Time: 0940 Local / 1540 UTC (30°)

Flyority 2

Collection Area: D10_H10C_NEON_HQ_val_v1_Q780

Flight Plan Name: D10_W10C_Wiggle_Test_v5_Q780

On Station Time: No sun angle limit

Flyority 3

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780

On Station Time: 1043 Local / 1643 UTC (40°)