



September 25, 2018 Payload 3 Daily Flight Report



Date: 2018-09-25

Flight Campaign ID: 2018_P3C1

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, 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: 2

Report Author: Robb Walker

Flight Crew: Robb Walker, John Adler, None

Ground/GPS: Michael Wussow, Nick Marusich

Pilots: Hans Germann, Stephen Brawders

Additional Personnel: None

GPS Instruments: 07 - KBDU, U-CHLL

Flight Hours: 02:25

Hours until maintenance: 28.08

Summary

Some clouds present near the front range this morning, but Greeley was clear enough for us to finish the Greeley Boresight Calibration.

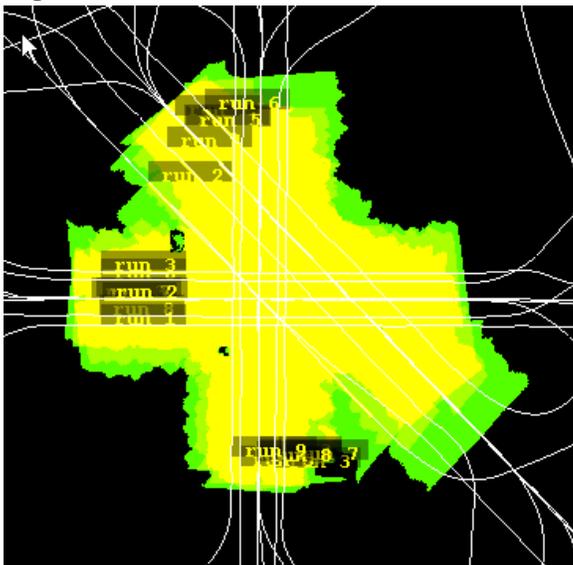
Concerns

Only one disk set available and limited internal D: drive space.

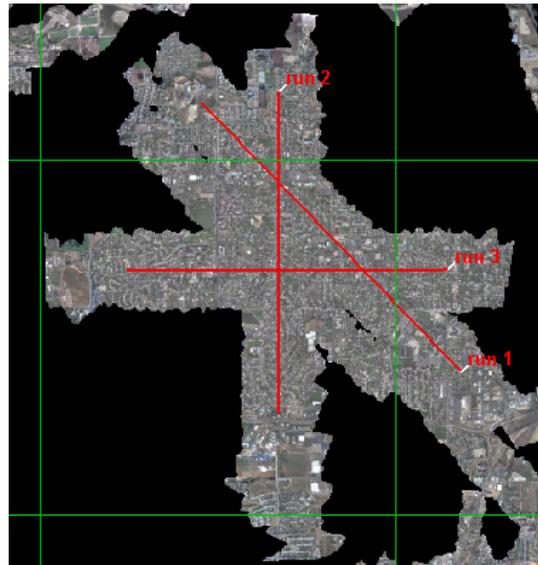
Comments

- David Hulslander working on clearing a RAID, so we can free up some internal drive space on HK3.
- Radiometric calibration will be attempted if sky conditions allow.

Flight Screenshots



Lidar



NIS

Daily Coverage

D00 B10D_1000m	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
Flown:	8							
D00 B10D_1600m	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
Flown:	3							
D00 B10D_500m	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
Flown:	9							

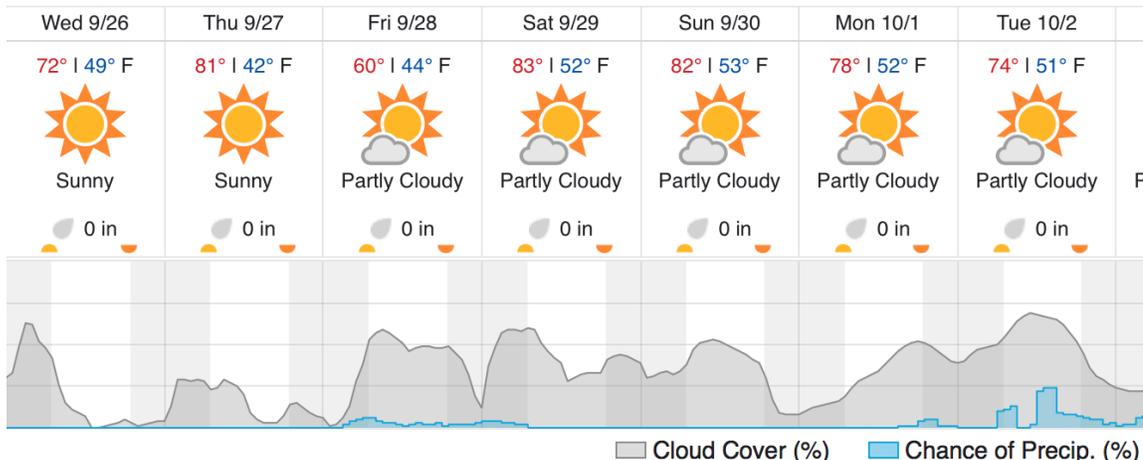
Cumulative Domain Coverage

Calibration Flights Completed: Nominal Runway Survey, Wiggle Timing Test, Neon HQ Lidar Validation, Greeley Boresight

Not Complete: Table Mountain Radiometric Calibration

Weather Forecast

Boulder, CO



Flight Collection Plan for 26-27 September 2018

Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

On Station Time: 1140 Local / 1740 UTC (45°)

Crew: Robb Walker (Lidar), Nick Marusich (NIS), John Adler (Ground)