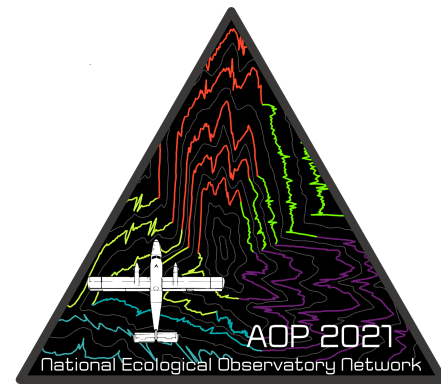




Payload 3 Daily Flight Report



Date: 2021-09-16

Flight Campaign ID: P3C1

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

Aircraft: N615AR

Domain: 00

Sites Flown: B10E_1600m, 1000m, H10C, O10B

Days left in Domain: 8

Report Author: Matt DeVoe

Lidar Operators: Matt DeVoe

Flight Hours: 3.58

Spectrometer Operators: Abe Morrison

Hours until maintenance: 11.95

Pilots: Scott Hayward, Will Mathews

GPS Instruments: AOP-KBDU, CHILL

Summary

The crew attempted the Boresight flight plan but had to abort due to cloud shadows in the collection area. We reconfigured the sensors to collect the HQ Lidar and the NIS offset plans.

Concerns

-The database is not generating the daily report.

Comments

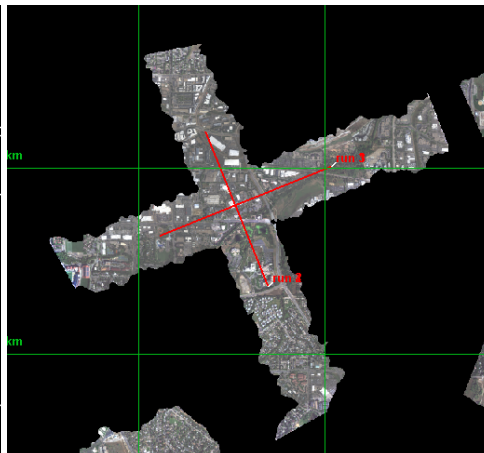
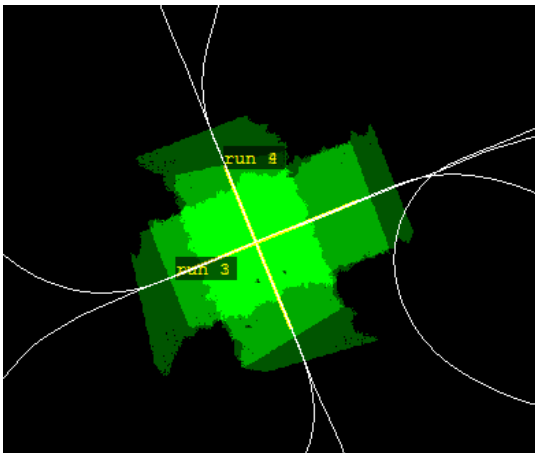
None

Daily Coverage

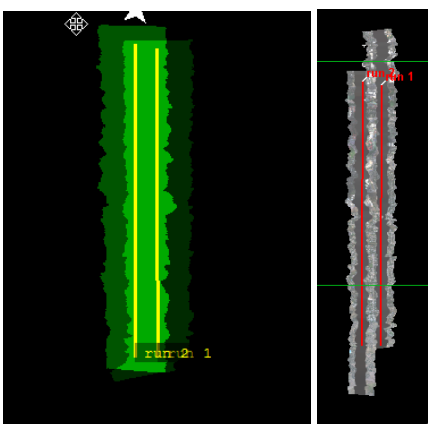
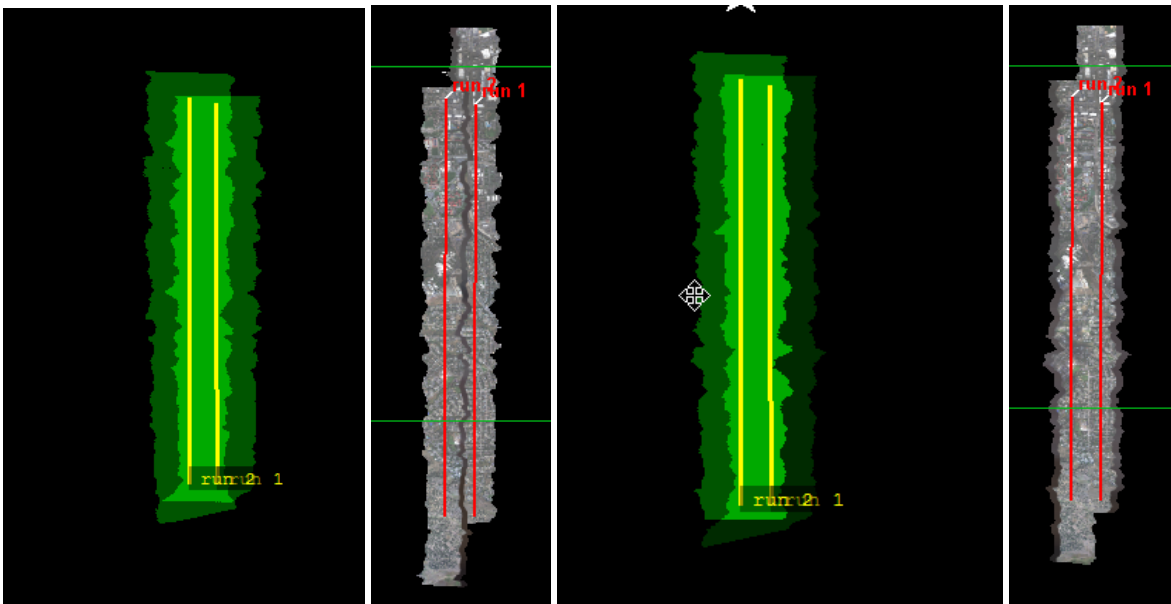
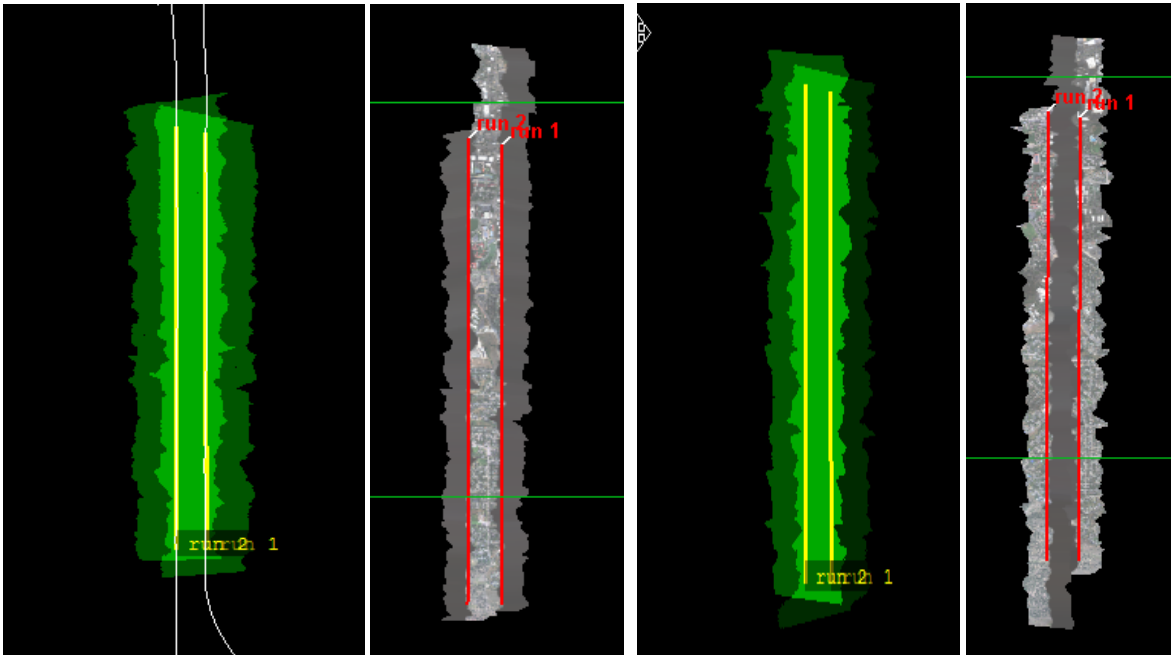
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Flight Screenshots

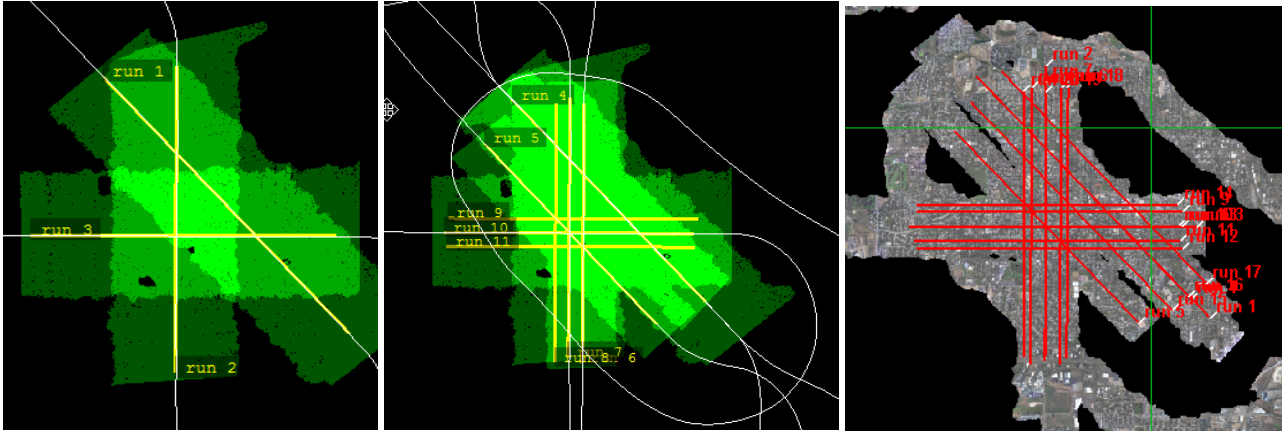
H10C – HQ Lidar Validation



O10B – NIS Offset



B10E – Greeley Boresight – 1600m Lines 1-3, 1000m 4-6

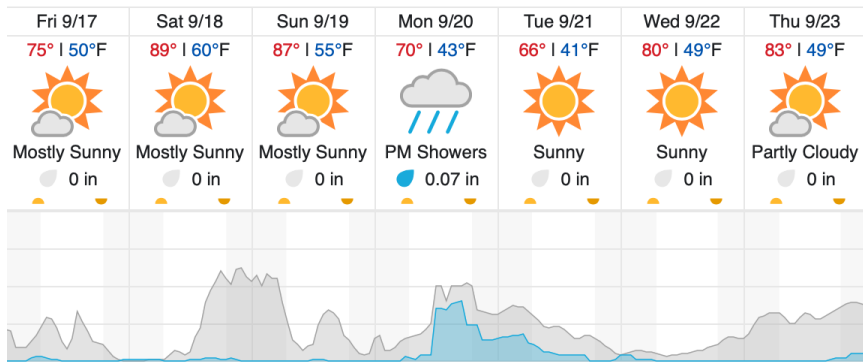


Cumulative Domain Coverage

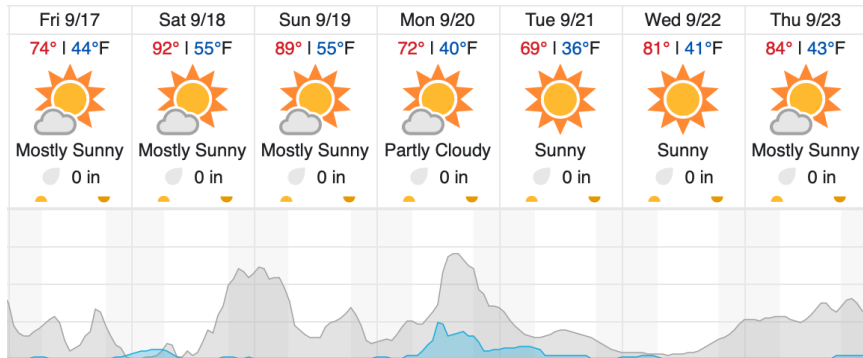
Unavailable

Weather Forecast

Boulder, CO



Greeley, CO



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 15 September 2021

Flyority 1

Collection Area: Boresight Calibration – Greeley, CO
Flight Plan Name: D10_B10E_Boresight_1600m_Q780
Flight Plan Name: D10_B10E_Boresight_1000m_Q780
Flight Plan Name: D10_B10E_Boresight_500m_Q780
On-station Time: 15:30 UTC / 09:30 L

Flyority 2

Collection Area: Nominal Runway Survey Flight Plan
Name: D10_N10D_Nominal_Rnwy_v8_Q780
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet.

Flyority 3

Collection Area: Wiggle Timing Test
Name: D10_W10C_Wiggle_Test_v5_Q780
On-Station Time: 16:40 UTC / 10:40 L

Crew: Abe-Lidar, Nick-NIS, Matt-Ground