



Payload 2 Daily Flight Report



Date: 2020-06-05

Flight Campaign ID: P2C1

Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KBJC) – Broomfield, CO

Domain: 00 (Training & Calibration)

Sites Flown: H10B (NEON HQ LIDAR Validation), V10C (Boulder City Nominal Science Flight)

Days left in Domain: 6

Report Author: Michael Wussow

Lidar Operators: Ivana Vu, Michael Wussow

Spectrometer Operators: Michael Wussow, Ivana Vu

Pilots: Will Matthews, Stephen Brawdars

Ground Crew: None

Flight Hours: 0:46, 2:13

Hours until maintenance: 104.03

GPS Instruments: 06 – FBO_KBDU, NGN-KBDU

Summary

Cloud conditions were not quite good enough for the Radiometric or NIS-Offset flights today. The HQ Lidar Validation flight plan and 12 lines of the Boulder City Nominal flight plan were completed instead. Mike Wussow was signed off on both NIS and Optech systems with Ivana Vu.

Concerns

- Database PDF logs and Daily Report are still not generating, but are being worked.
- Service Now RAID and Mission Extraction forms cannot be submitted for Payload-2 and is being investigated.

Comments

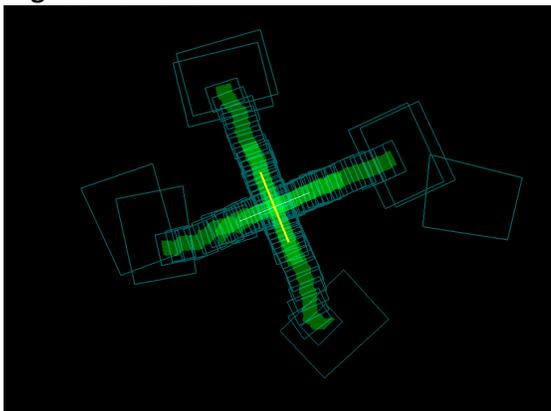
- Testing of the Auto-Exposure mode for Payload 2's camera was done coincidentally with the V10C recertification flight. Testing will be completed in 11 more lines.

Daily Coverage

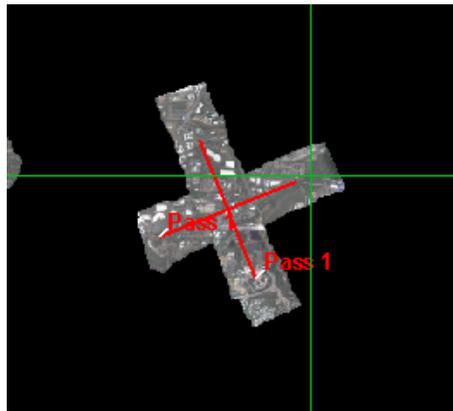
H10B complete (4 lines)

V10C (12 lines)

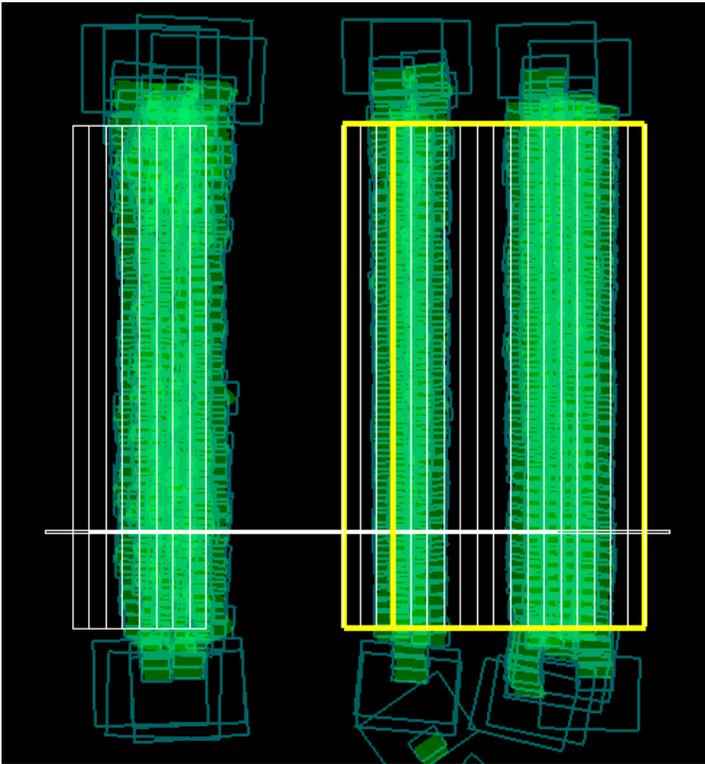
Flight Screenshots



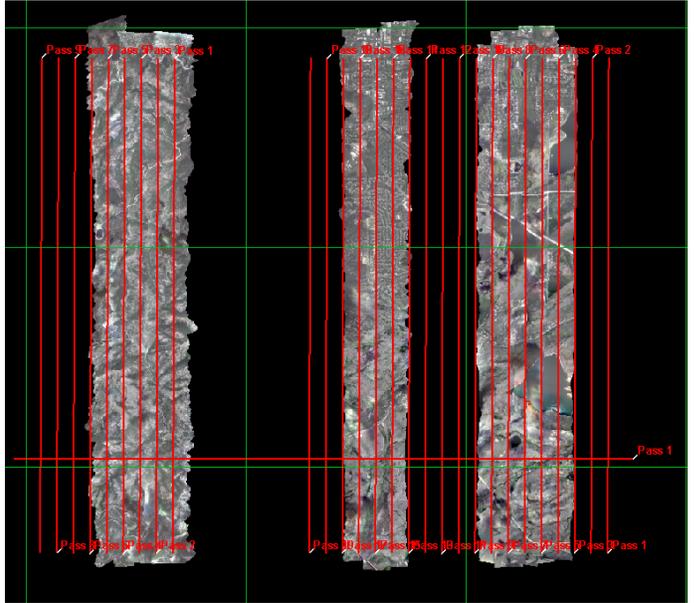
H10B - Lidar



H10B – NIS

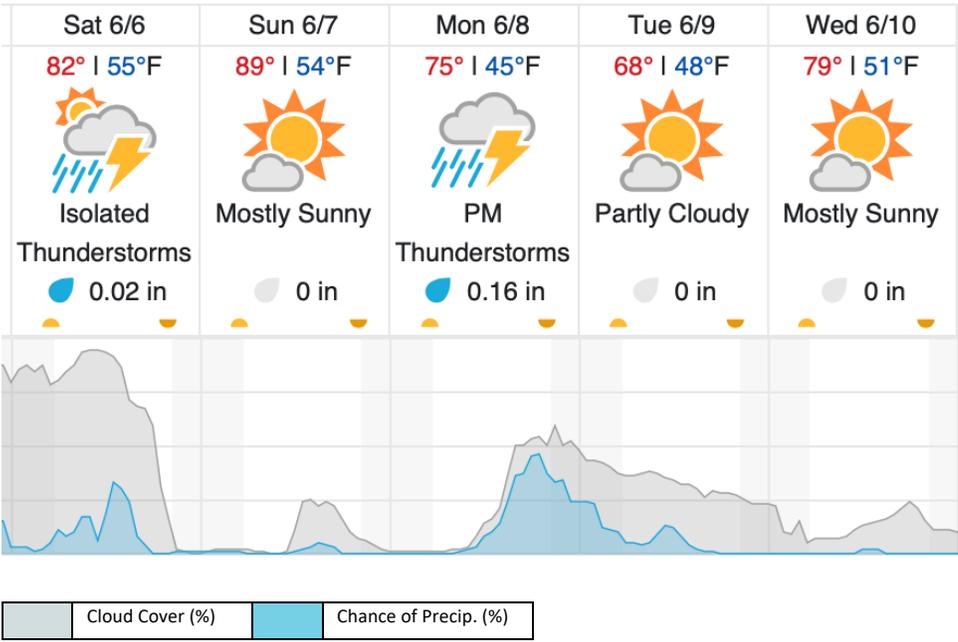


V10C – Lidar



V10C - NIS

Weather Forecast



Flight Collection Plan for 06-07 June 2020

Flyority 1

Collection Area: Radiometric Calibration at Table Mountain

Flight Plan Name: D10_R10A_Radiometric_Calibration_Table_Mountain_v1.pln

On-station Time: 0950 – 1600 Local / 1550 – 2210 UTC

Flyority 2

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10A_NIS_Offset_v1.pln

On-station Time: 0850 – 1730 Local / 1450 – 2300 UTC

Flyority 3

Collection Area: Boulder City Nominal – Auto-Exposure Testing

Flight Plan Name: D10_V10C_Boulder_City_v6.pln

On-station Time: 0850 – 1730 Local / 1450 – 2300 UTC

Lines Remaining: Section 2 – Lines 9-13, Section 4 – Lines 25-28, Section 5 – Lines 17-19

Crew

6/6: Matthew DeVoe (Lidar), John Adler (NIS)

6/7: Robb Walker (Lidar), Michael Wussow (NIS), Ivana Vu (Certifier)