



## Payload 2 Daily Flight Report



**Date:** 2020-06-03

**Flight Campaign ID:** P2C1

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

**Domain:** 00 (Training & Calibration)

**Sites Flown:** V10C (Boulder City South), N10C (Nominal Runway at KBDU – Optech), W10B (Wiggle Timing Test)

**Days left in Domain:** 8

**Report Author:** Ivana Vu

**Lidar Operators:** Matt DeVoe, Ivana Vu

**Spectrometer Operators:** Ivana Vu, Matt DeVoe

**Pilots:** Will Matthews, Stephen Brawders

**Ground Crew:** Robb Walker

**Flight Hours:** 1:05, 2:00

**Hours until maintenance:** 110.02

**GPS Instruments:** 06 – FBO\_KBDU, NGN-KBDU

### Summary

Crew completed functional checkout of the payload, including re-certification and calibration flights over the Boulder Airport. The current plan is to continue re-cert/training and calibration flights the rest of this week as weather permits.

### Concerns

- We were unable to remotely log into GPS06 (FBO\_KBDU) or NGN-KBDU this morning – Payload 3 crew verified that receivers were logging prior to flights
- Database Run Reports button is not fully functional

### Comments

Matt and Ivana are re-certified to operate both sensors

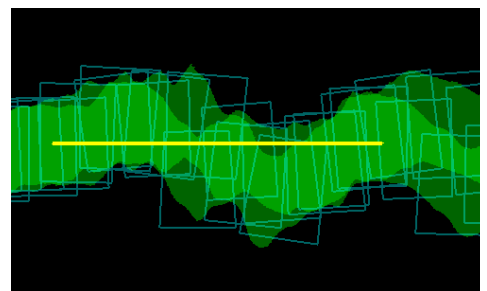
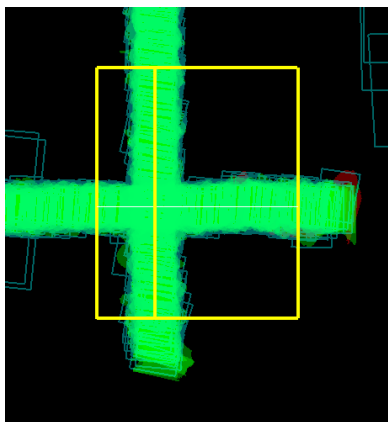
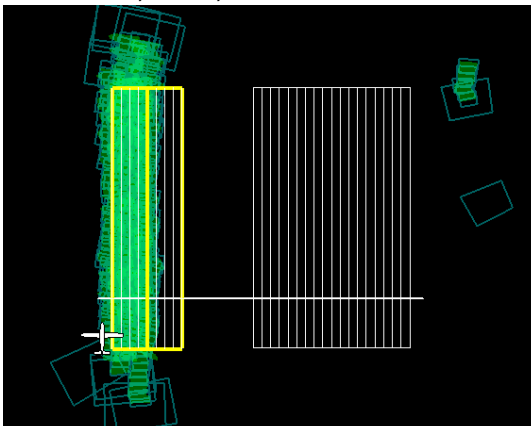
### Daily Coverage

Completed:

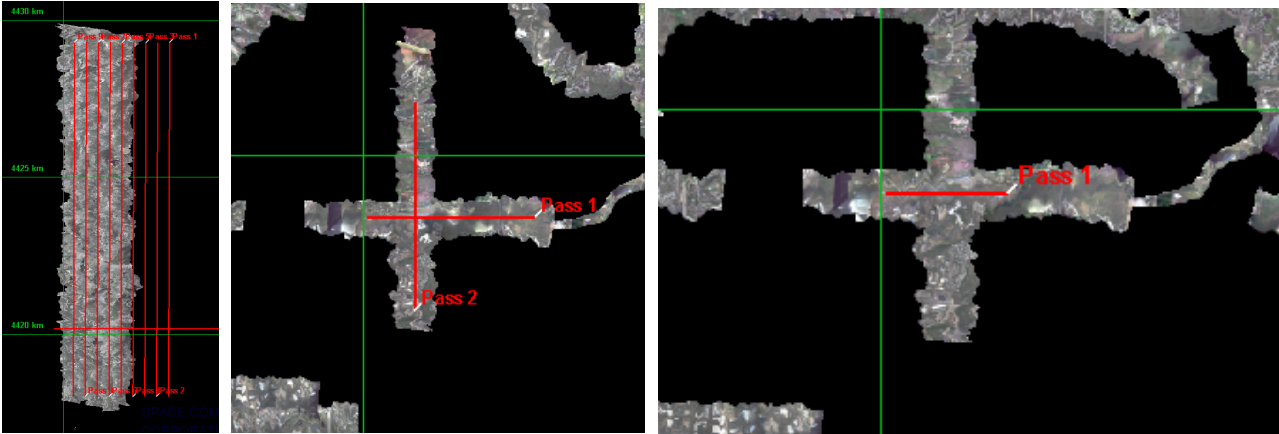
- V10C: Lines 24 -28 (Yellow)
- N10C: Lines 1-14 (Red)
- W10B: Lines 1-2 (Red)

### Flight Screenshots

Lidar: V10C, N10C, W10B



Spectrometer: V10C, N10C, W10B

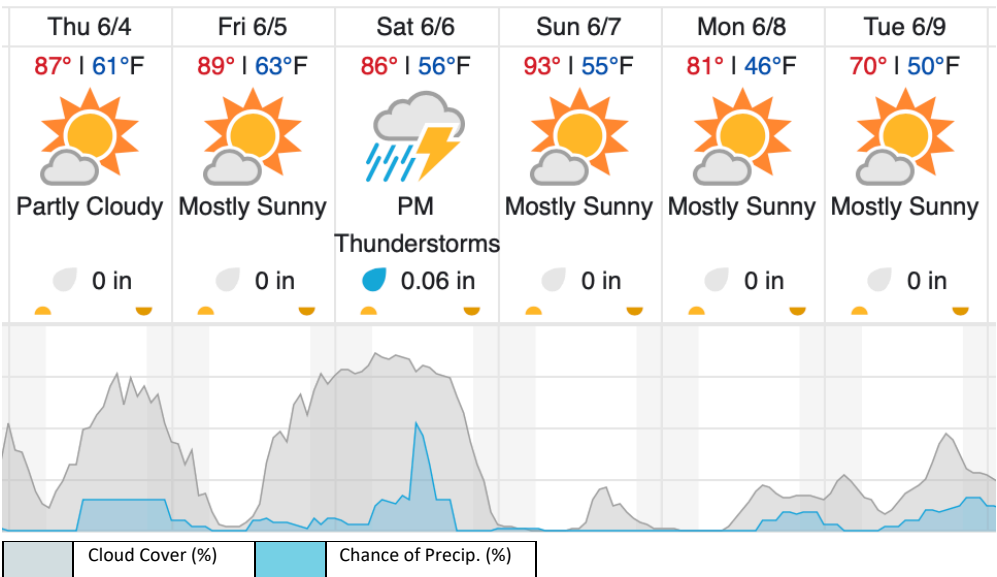


Pictures

The long-awaited view over Boulder



Weather Forecast



## **Flight Collection Plan for 04-08 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: Boresight Calibration – Geo-calibration at Greeley

Flight Plan Name: D10\_B10B\_Greeley\_Boresight\_Geocalibration\_Plan\_v8.pln

On-station Time: 0830 – 1730 Local / 1430 – 2230 UTC

### **Flyority 3**

Collection Area: NEON HQ LIDAR Validation

Flight Plan Name: D10\_H10B\_HQ\_LIDAR\_validation\_v1.pln

### **Flyority 4**

Collection Area: NIS Offset Flight

Flight Plan Name: D10\_O10A\_NIS\_Offset\_v1.pln

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

### **Crew**

6/4: John Adler (Lidar), Robb Walker (NIS)

6/5: Ivana Vu (Lidar), Michael Wussow (NIS)

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

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