



Payload 2 Daily Flight Report



Date: 2025-09-10

Flight Campaign ID: P2C1

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

Aircraft: N615AR

Domain: 13

Sites Flown: none

Days left in Domain: 7

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mike

Pilots: Justin, Jacob

Flight Hours: 1.1

Hours until maintenance: 123.9

GPS Instruments: none

Summary

Transit back to Boulder and began Payload 2 restarting process.

ROCX data was successfully extracted, and passed QA.

Concerns

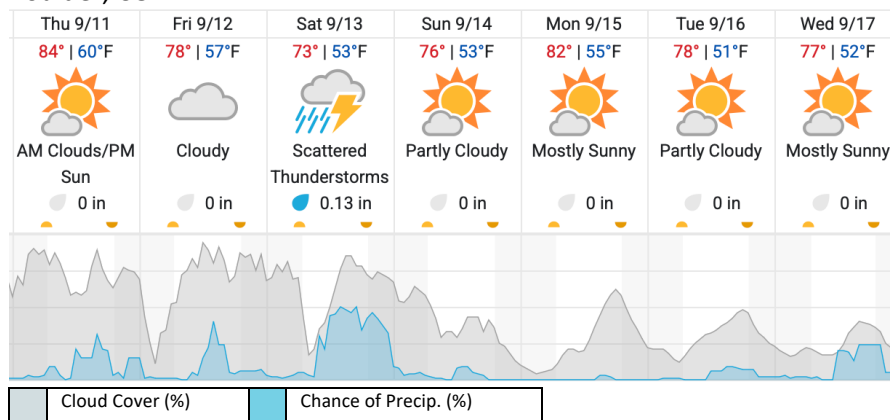
NIS has an erroneous high temperature reading, the lab is looking into root cause, and will restart the NIS system.

Comments

The ITRES engineers will arrive at the hangar tomorrow morning at 0830 to go over flight operations.

Weather

Boulder, CO



source: wunderground.com

Plan for September 11-13, 2025

Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v2_VQ780

45° On-station Time: 1653 UTC / 1053 L

Additional Considerations: Ground should be dry.

Collection Area: Boulder Airport Radiometric Calibration

Flight Plan Name: D10_R10D_Rad_Cal_KBDU_v2_VQ780

45° On-station Time: 1653 UTC / 1053 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10_B10E_Boresight_VQ780 (RiAcquire name: D10_B10E_Boresight_Apx_VQ780)

30° On-station Time: 1520 UTC / 0920 L

Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3

Collection Area: Nominal Runway Survey Flight Plan

Name: D10_N10D_Nominal_Rnwy_v13_VQ780

On-Station Time: Daylight – No solar angle restrictions.

Additional Considerations: Runway should not be wet or snow covered.

Flyority 4

Collection Area: NEON HQ Lidar Validation

Flight Plan Name: D10_H10C_HQ_val_v2_VQ780

On-Station Time: Daylight – No solar angle restrictions.

Flyority 5

Collection Area: Wiggle Timing Test

Flight Plan Name: D10_W10C_Wiggle_Test_v6_Q780

40° On-station Time: 1620 UTC / 1020 L

Additional Considerations: Runway should not be wet, or snow covered.

Flyority 6

Collection Area: Black Forest

Flight Plan Name: D10_BLKF_Black_Forest_v6_VQ780_ftlines

40° On-station Time: 1620 UTC / 1020 L

Flyority 7

Collection Area: Boulder City Nominal Science Flight

Flight Plan Name: D10_V10C_East_v7B_Q780_ftlines

40° On-station Time: 1620 UTC / 1020 L

Crew: Lidar: John, NIS: Mike, Ground: Nick