



Payload 1 Daily Flight Report



Date: 2023-08-27

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 10 (Central Plains)

Sites Flown: None

Days left in Domain: 7

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Matt **Hours until maintenance:** 38.53

Pilots: Vince, Brent

Summary

Pumping and cooling of the spectrometer continued today. The system will be ready for calibration flights by tomorrow morning.

Concerns

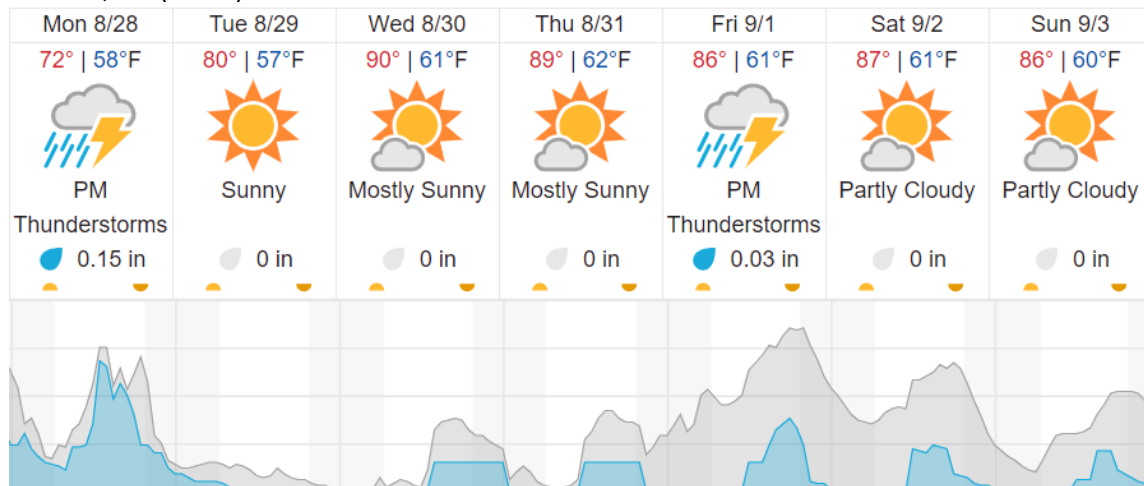
None.

Comments

Cullen is unavailable to fly this week and will be replaced by Brent.

Weather Forecast

Boulder, CO (KBDU)



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

Flight Collection Plan for 28 August 2023

Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10E_Radiometric_Cal_Table_Mtn_v1_PRM

45° On-station Time: 1640 UTC / 1040 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10_B10F_Boresight_Geocal_v9_PRM

30° On-station Time: 1510 UTC / 0910 L

Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3

Collection Area: Nominal Runway Survey Flight Plan

Name: D10_N10F_Nominal_Rnwy_v11_PRM

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_H10D_HQ_LIDAR_validation_v1_PRM

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

Flyority 5

Collection Area: Wiggle Timing Test

Flight Plan Name: D10_W10D_Wiggle_Test_v6_PRM

40° On-station Time: 1610 UTC / 1010 L

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

Flyority 6

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM

35° On-station Time: 1540 UTC / 0940 L

Flight Crew

Matt (Lidar), Elissa (NIS), Nick (Ground)