

Payload 1 Daily Flight Report

Date: 2025-06-08

Flight Campaign ID: P1C1

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

Aircraft: N365AR

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 41

Report Author: Nick

Lidar Operators: Nick

Flight Hours: 00:00

Spectrometer Operators: Matt

Hours until maintenance: 81.67

Pilots: Jeff, Rob

Ground: Andrew

Summary

The third aircraft arrived this morning and Payload 1 was installed. The NIS is pumping and cooling and should be at operating conditions by tomorrow late morning or early afternoon. Thanks to everyone for an efficient installation.

Concerns

None

Comments

The crew is on target to depart Wednesday, June 11 for Beuna Vista CO to commence project science data collections.

Cumulative Domain Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

Solar Angle Less Than 40 degrees: (*)

D00|B10F (Boresight Calibration – Greeley CO)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

* Flown within 35deg solar angle

D00|H10D (NEON HQ Lidar Validation)

1	2	3	4
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Flown: 0% (0/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

* Flown within 35deg solar angle

D00|N10F (Nominal Runway Survey)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			

Flown: 0% (0/37)

Green: 0% (0/37)

Yellow: 0% (0/37)

Red: 0% (0/37)

* Flown within 35deg solar angle

D00|R10E (Table Mountain Radiometric Calibration)

1	2	3	4	5
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Flown: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

* Flown within 35deg solar angle

D00|W10D (Wiggle Timing Test)

1	2
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Flown: 0% (0/2)

Green: 0% (0/2)

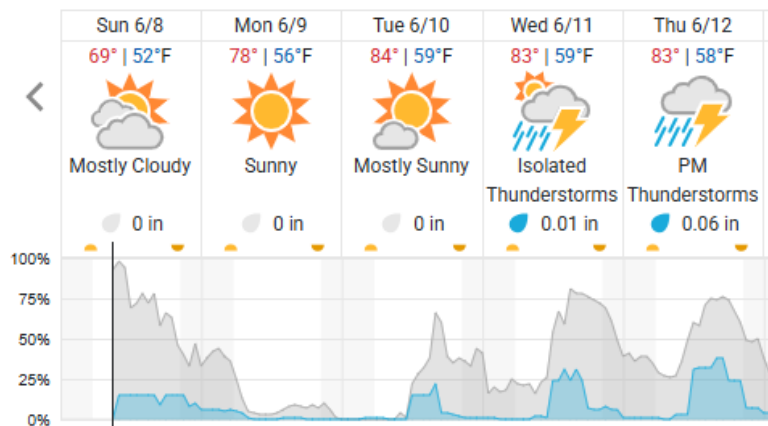
Yellow: 0% (0/2)

Red: 0% (0/2)

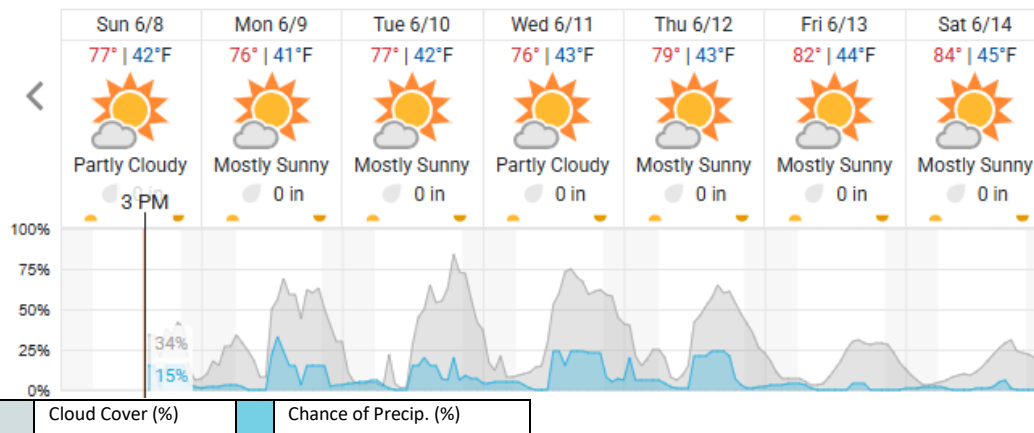
* Flown within 35deg solar angle

Weather Forecast

Boulder CO



Gunnison CO



source: wunderground.com

Flight Collection Plan for 9 June 2025

Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10E_Radiometric_Cal_Table_Mtn_v2

45° On-station Time: 1550 UTC / 0950 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10_B10F_Boresight_Geocal_v10_PRM

30° On-station Time: 1430 UTC / 0830 L

Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3

Collection Area: Nominal Runway Survey Flight Plan

Name: D10_N10F_Nominal_Rnwy_v12_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_v2_PRM

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

Flyority 5

Collection Area: Wiggle Timing Test

Flight Plan Name: D10_W10D_Wiggle_Test_v7_PRM

40° On-station Time: 1520 UTC / 0920 L

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

Crew: Matt (Lidar), Nick (NIS)