



Payload 2 Daily Flight Report

Date: 2026-03-31

Flight Campaign ID: P2C1

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

Aircraft: N821AR

Domain: 00 (Training & Calibration)

Sites Flown: H10C (NEON Headquarters Lidar Test - Riegl)

Days left in Domain: 3

Report Author: Nick

Lidar Operators: Nick

Spectrometer Operators: John

Pilots: Vince, Justin

Ground Crew: Alyssa

Flight Hours: 00:25

Hours until maintenance: 110.9

GPS Instruments: AOP_KBDU

Summary

A training flight was attempted this morning but was not successful due to a pilot display issue. After troubleshooting on the ground, the crew decided to cancel flights as a storm front was coming into the Boulder area.

Concerns

The pilot display connection was lost during flight and not regained. Switching cables between the lidar operator and pilot stations will aid in troubleshooting and potentially reduce the likelihood of the incident recurring. The lab team will be standing by on anticipated flights Thursday.

Comments

Mitch rotates out today. Thanks for all the great work getting things up and ready!

Daily Coverage

None

Cumulative Domain Coverage

D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

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: 100% (20/20)

Green: 0% (0/20)

Yellow: 100% (20/20)

Red: 0% (0/20)

* Flown within 35deg solar angle

D00|H10C (NEON Headquarters Lidar Test - Riegl)

1	2	3	4
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Flown: 100% (4/4)

Green: 100% (4/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

* Flown within 35deg solar angle

D00|N10D (Nominal Runway at KBDU - Riegl VQ780_II S)

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															

Flown: 100% (26/26)

Green: 0% (0/26)

Yellow: 38% (10/26)

Red: 62% (16/26)

* Flown within 35deg solar angle

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

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|R10D (Boulder Airport Radiometric Calibration)

1	2	3	4	5
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Flown: 100% (5/5)

Green: 100% (5/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

* Flown within 35deg solar angle

D00|V10C (Boulder City South Nominal Science Flight)

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												

Flown: 45% (13/29)

Green: 0% (0/29)

Yellow: 10% (3/29)

Red: 31% (9/29)

* Flown within 35deg solar angle

D00|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 100% (2/2)

Green: 100% (2/2)

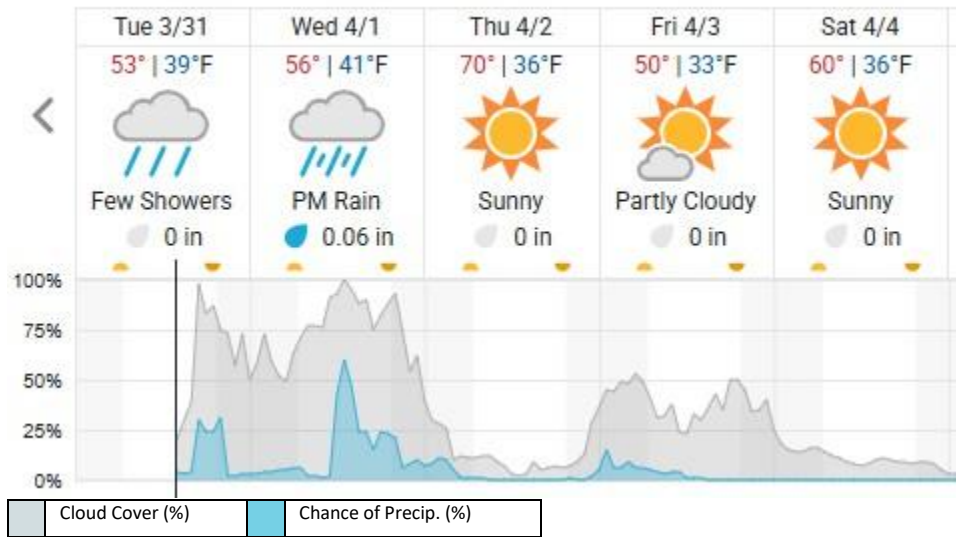
Yellow: 0% (0/2)

Red: 0% (0/2)

* Flown within 35deg solar angle

Weather Forecast

Boulder, CO (KBDU)



source: wunderground.com

Flight Collection Plan for 01 April 2026

Flyority 1: Training and Recertification of ASOs

Collection Area: Multiple

On-Station Time: No solar angle restrictions.

Crew: Nick (Lidar), John (NIS), Matt (Ground)

Remaining P2 lidar Recerts: Cam, Nick, Mike