



**neon**  
Operated by Battelle

## Payload 3 Daily Flight Report



**Date:** 2025-04-28

**Flight Campaign ID:** P3C1

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

**Aircraft:** N821AR

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

**Sites Flown:** None

**Days left in Domain:** 2

**Report Author:** Elissa

**Lidar Operators:** Elissa

**Flight Hours:** 00:00

**Spectrometer Operators:** Cameron

**Hours until maintenance:** 113.65

**Pilots:** Justin, Jeff

**Ground Crew:** Nick

### **Summary**

No flights were conducted today due to a persistent low ceiling over Boulder. On-the-ground troubleshooting of the NIS indicates that it is now operational; no test flights are needed.

### **Concerns**

None.

### **Comments**

Upcoming weather later this week may force an early departure to Ocala, FL. Preparations are being made for this eventuality.

### **Cumulative Domain Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

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: 85% (17/20)

Red: 15% (3/20)

\* 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: 0% (0/4)

Yellow: 100% (4/4)

Red: 0% (0/4)

\* Flown within 35deg solar angle

### D00|N10D (Nominal Runway at KBDU - Riegl)

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												

Flown: 86% (24/28)

Green: 7% (2/28)

Yellow: 68% (19/28)

Red: 11% (3/28)

\* Flown within 35deg solar angle

### D00|O10B (NIS Offset - Riegl)

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

### 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)

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: 55% (16/29)

Green: 0% (0/29)

Yellow: 28% (8/29)

Red: 28% (8/29)

\* Flown within 35deg solar angle

### D00|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 100% (2/2)

Green: 0% (0/2)

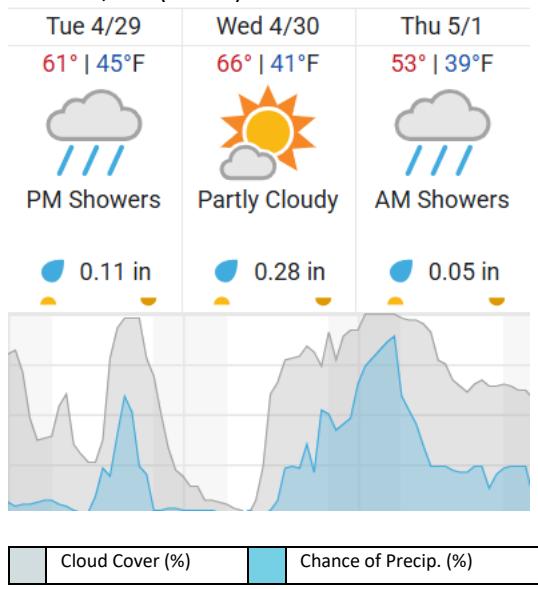
Yellow: 100% (2/2)

Red: 0% (0/2)

\* Flown within 35deg solar angle

## Weather Forecast

Boulder, CO (KBDU)



source: [wunderground.com](https://www.wunderground.com)

## Flight Collection Plan for 29 April 2025

No planned flight activity; Shutdown system and begin packing for D03.

**Crew:** Cam (Lidar), Mike (NIS), Nick (Ground)