



Payload 2 Daily Flight Report

**Date:** 2026-03-18  
**Flight Campaign ID:** P2C1  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO; -  
**Aircraft:** N821AR

**Domain:** 00 (Training & Calibration)  
**Sites Flown:** N/A  
**Days left in Domain:** 17

**Report Author:** Cameron  
**Lidar Operators:** N/A  
**Spectrometer Operators:** N/A  
**Pilots:** Justin, Manning  
**Ground Crew:** Cameron, Mitch, Elissa, Alyssa

**Flight Hours:** 00:00  
**Hours until maintenance:** 123.90

**Summary**

The payload continued pumping and cooling today and has nearly reached nominal operating specifications. We anticipate calibration flights to begin tomorrow.

**Concerns**

- None

**Comments**

- None

**Daily Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

**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: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

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: 0% (0/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

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: 0% (0/28)

Green: 0% (0/28)

Yellow: 0% (0/28)

Red: 0% (0/28)

\* 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
---	---	---	---	---

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
---	---	---	---	---

Flown: 0% (0/5)

Green: 0% (0/5)

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																			

Flown: 0% (0/22)

Green: 0% (0/22)

Yellow: 0% (0/22)

Red: 0% (0/22)

\* Flown within 35deg solar angle

D00|V10D (Boulder City West - 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																

Flown: 0% (0/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

\* Flown within 35deg solar angle

D00|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 0% (0/2)

Green: 0% (0/2)

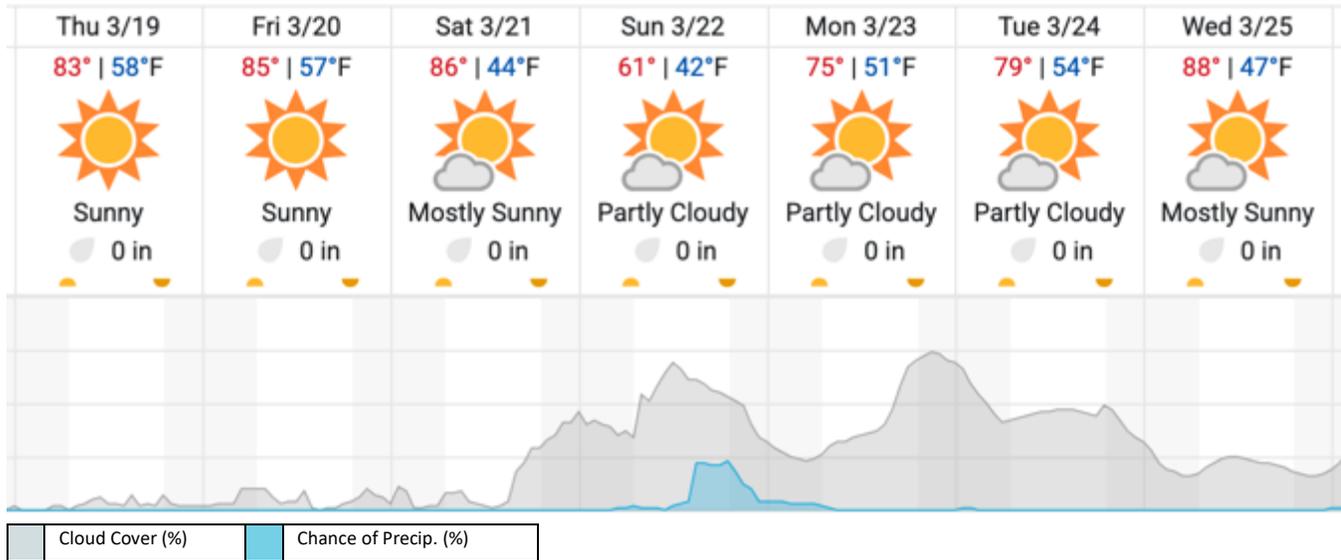
Yellow: 0% (0/2)

Red: 0% (0/2)

\* Flown within 35deg solar angle

## Weather Forecast

### Boulder, CO



source: wunderground.com

## Flight Collection Plan for March 19, 2026

### Flyority 1

Collection Area: Table Mountain Radiometric Calibration  
Flight Plan Name: D10\_R10C\_Rad\_Cal\_TBMT\_v2\_VQ780  
45o On-station Time: 1750 UTC / 1150 L  
Additional Considerations: Ground should be dry.

### Flyority 2

Collection Area: Boresight Calibration – Greeley, CO  
Flight Plan Name: D10\_B10E\_Boresight\_1600m\_Q780 (RiAcquire name: D10\_B10E\_Boresight\_Apx\_VQ780)  
30o On-station Time: 1600 UTC / 1000 L  
Additional Considerations: No recent snowfall, clear roofs required.

### Flyority 3

Collection Area: Nominal Runway Survey Flight Plan  
Name: D10\_N10D\_Nominal\_Rnwy\_v13\_Q780  
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\_Q780  
On-Station Time: Daylight – No solar angle restrictions.

### Flyority 5

Collection Area: Wiggle Timing Test  
Flight Plan Name: D10\_W10C\_Wiggle\_Test\_v8\_Q780  
40o 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\_O10B\_NIS\_Offset\_v4\_Q780

35o On-station Time: 1630 UTC / 1030 L

**Flyority 7**

Collection Area: Boulder City Nominal Science Flight

Flight Plan Name: D10\_V10C\_East\_v13\_VQ780 (lines 1-22, 29)/D10\_V10C\_West\_v13\_VQ780 (lines 23-28, 29)  
(RiAcquire file is D10\_V10C\_East\_West\_v13\_VQ780.rpp)

On-Station Time: 1700 UTC / 1100 L

**Crew:** Cam (**Lidar**), Elissa (**NIS**) Mitch, Alyssa (**Ground**)