



## Payload 2 Daily Flight Report



**Date:** 2025-09-14

**Flight Campaign ID:** P2C1

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

**Aircraft:** N615AR

**Domain:** 10 (Central Plains) / Calibration Flights

**Sites Flown:** None.

**Days left in Domain:** 4

**Report Author:** John

**Lidar Operators:** John

**Flight Hours:** 0.0

**Spectrometer Operators:** Cameron

**Hours until maintenance:** 123.32

**Pilots:** Justin, Jacob

**GPS Instruments:** n/a

**Ground Crew:** Mike

### Summary

Overcast skies kept us from completing any flights today.

### Concerns

None.

### Comments

The ITRES sensor should arrive Monday by noon.

Potential radiometric flight tomorrow at KBDU, not Table Mountain. John and Nick to assist Mark.

### 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: 100% (4/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 100% (4/4)

\* 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
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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|W10C (Wiggle Timing Test - Riegl)

1	2
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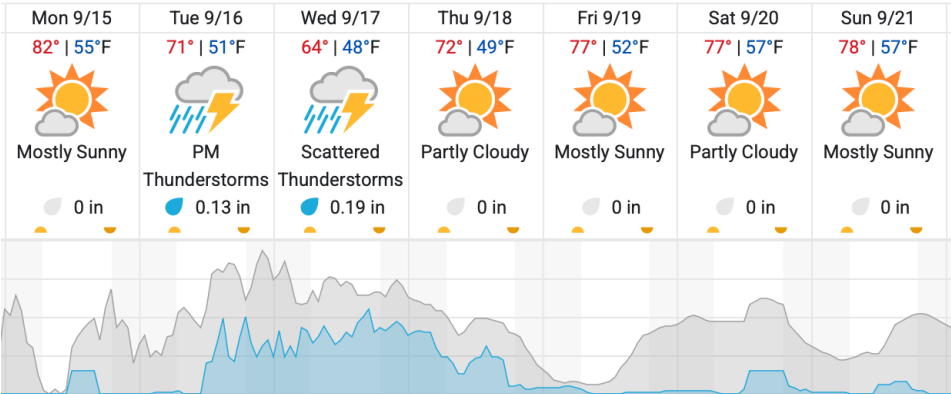
Flown: 100% (2/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 100% (0/2)  
\* Flown within 35deg solar angle

D10|H10C (NEON Headquarters Lidar Test - Riegl)

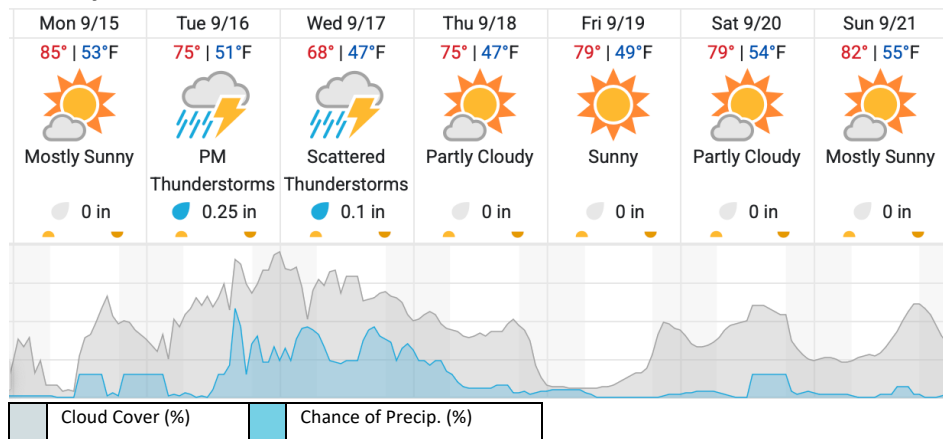
1	2	3	4
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Flown: 100% (4/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 100% (4/4)  
\* Flown within 35deg solar angle

Weather Forecast  
Boulder, CO



## Greeley, CO



source: wunderground.com

## Flight Collection Plan for September 15 2025

### Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10\_R10C\_Rad\_Cal\_TBMT\_v2\_VQ780

45° On-station Time: 1653 UTC / 1053 L

Additional Considerations: Ground should be dry.

Collection Area: Boulder Airport Radiometric Calibration

Flight Plan Name: D10\_R10D\_Rad\_Cal\_KBDU\_v2\_VQ780

45° On-station Time: 1653 UTC / 1053 L

Additional Considerations: Ground should be dry.

### Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10\_B10E\_Boresight\_VQ780 (RiAcquire name: D10\_B10E\_Boresight\_Apx\_VQ780)

30° On-station Time: 1520 UTC / 0920 L

Additional Considerations: No recent snowfall, clear roofs required.

### Flyority 3

Collection Area: Nominal Runway Survey Flight Plan

Name: D10\_N10D\_Nominal\_Rnwy\_v13\_VQ780

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

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

### Flyority 4

Collection Area: Black Forest

Flight Plan Name: D10\_BLKF\_Black\_Forest\_v6\_VQ780\_ftlines

40° On-station Time: 1620 UTC / 1020 L

### Flyority 5

Collection Area: Boulder City Nominal Science Flight

Flight Plan Name: D10\_V10C\_East\_v7B\_Q780\_ftlines

40° On-station Time: 1620 UTC / 1020 L

**Crew:** Lidar: Cam, NIS: Elissa, Ground: John