



Payload 3 Daily Flight Report



Date: 2026-09-20

Flight Campaign ID: P3C1

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

Aircraft: N537AR

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: ½

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 00:00

Spectrometer Operators: Mitch

Hours until maintenance: 79.73

Pilots: Jeff, Landon

Ground Crew: Elissa

Summary

Cloud conditions were not conducive of calibration flights in Boulder or survey flights at CPER today.

Concerns

- None

Comments

- We are evaluating delaying deinstall until the evening if a viable flight opportunity presents itself in the morning.

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: 100% (20/20)

Green: 0% (0/20)

Yellow: 15% (3/20)

Red: 85% (17/20)

* 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: 86% (24/28)

Green: 0% (0/28)

Yellow: 0% (0/28)

Red: 86% (24/28)

* Flown within 35deg solar angle

D00|R10D (Boulder Airport 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|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 100% (2/2)

Green: 0% (0/2)

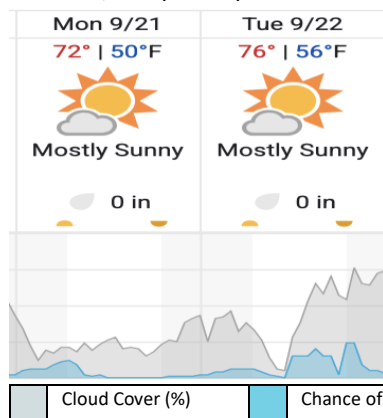
Yellow: 0% (0/2)

Red: 100% (2/2)

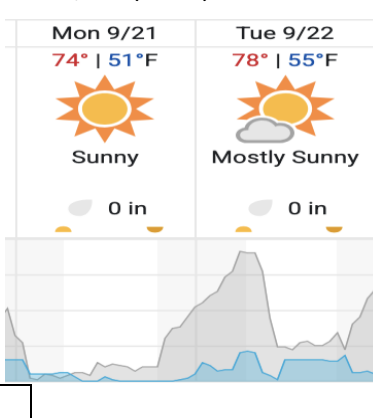
* Flown within 35deg solar angle

Weather Forecast

Boulder, CO (KBDU)



Nunn, CO (CPER)



source: wunderground.com

Flight Collection Plan for 21 September 2026

Flyority 1

Collection Area: Boulder Airport Radiometric Calibration

Flight Plan Name: D10_R10D_Rad_Cal_KBDU

45° On-station Time: 1710 UTC / 1110 L

Additional Considerations: Ground should be dry

Flyority 2

Collection Area: Central Plains Ecological Range (CPER)

Name: D10_CPER_C1_P1.rpp

On-Station Time: 16:20 UTC / 10:20 L

***Under green conditions only**

Crew: Mitch (Lidar), Mike (NIS), Matt (Ground)