



Payload 3 Daily Flight Report



Date: 2025-04-24

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: 6

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 00:00

Spectrometer Operators: Mike

Hours until maintenance: 115.27

Pilots: Justin, Jeff

Ground Crew: Nick

Summary

Weather in the Boulder area was not conducive to conduct any of the remaining calibration flights today.

Concerns

- None

Comments

- The DCC computer was replaced yesterday however the waterfall failed to display. After some troubleshooting this morning, the problem was identified to be a faulty card in the NIS fiber box on the back of the DCC. After the card was replaced, the DCC was tested repeatedly and appears to be functioning normally.

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: 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: 40% (2/5)

Yellow: 60% (3/5)

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)

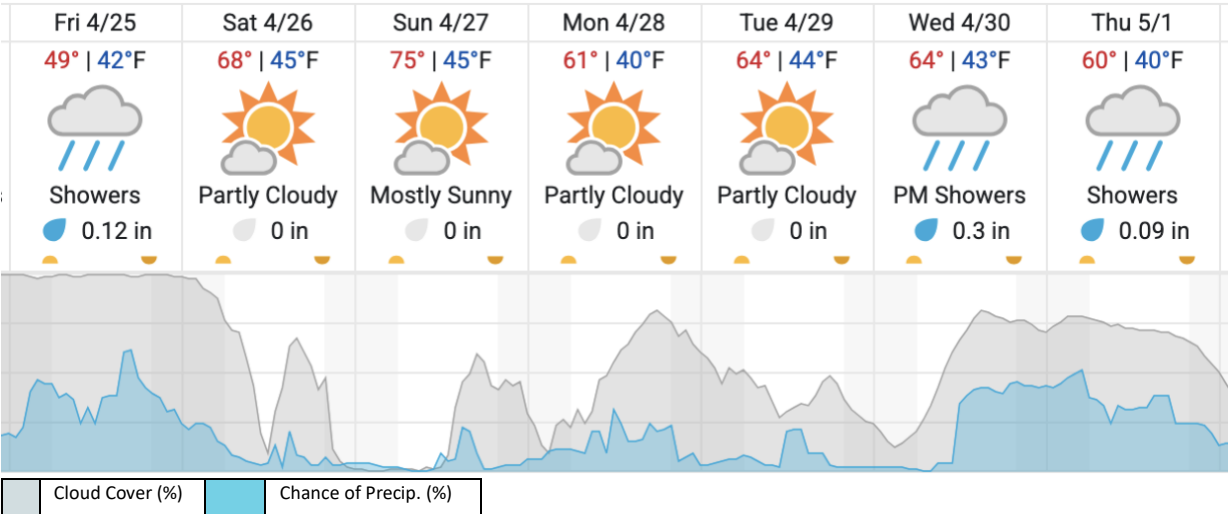
Yellow: 100% (2/2)

Red: 0% (0/2)

* Flown within 35deg solar angle

Weather Forecast

Boulder, CO



source: wunderground.com

Flight Collection Plan for April 25, 2025

Flyority 1

Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
45° On-station Time: 1640 UTC / 1040 L
Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
35° On-station Time: 1540 UTC / 0940 L

Crew: Elissa (Lidar), Cam (NIS), Mike (Ground)