



Payload 2 Daily Flight Report

Date: 2026-03-30
Flight Campaign ID: P2C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N821AR

Domain: 00 (Training & Calibration)
Sites Flown: H10C (NEON Headquarters Lidar Test - Riegl), V10C (Boulder City South Nominal Science Flight)
Days left in Domain: 4

Report Author: Elissa
Lidar Operators: Matt, Elissa, Nick
Spectrometer Operators: Alyssa, John, Mitch
Pilots: Justin, Vince
Ground Crew: John, Nick

Flight Hours: 00:35, 00:36, 00:40
Hours until maintenance: 111.42
GPS Instruments: AOP_KBDU

Summary

Three training flights were flown on the VQ780. Additional lidar training flights still needed for Nick, Matt, and Cam.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D00|V10C

Line #	13	14
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

Total number of lines flown: 2

D00|H10C

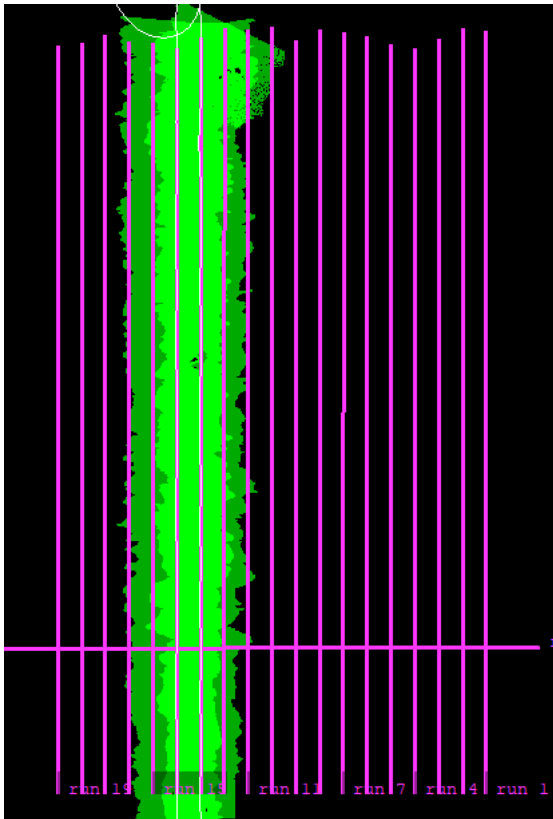
Line #	1	2
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover	■	■

Total number of lines flown: 2

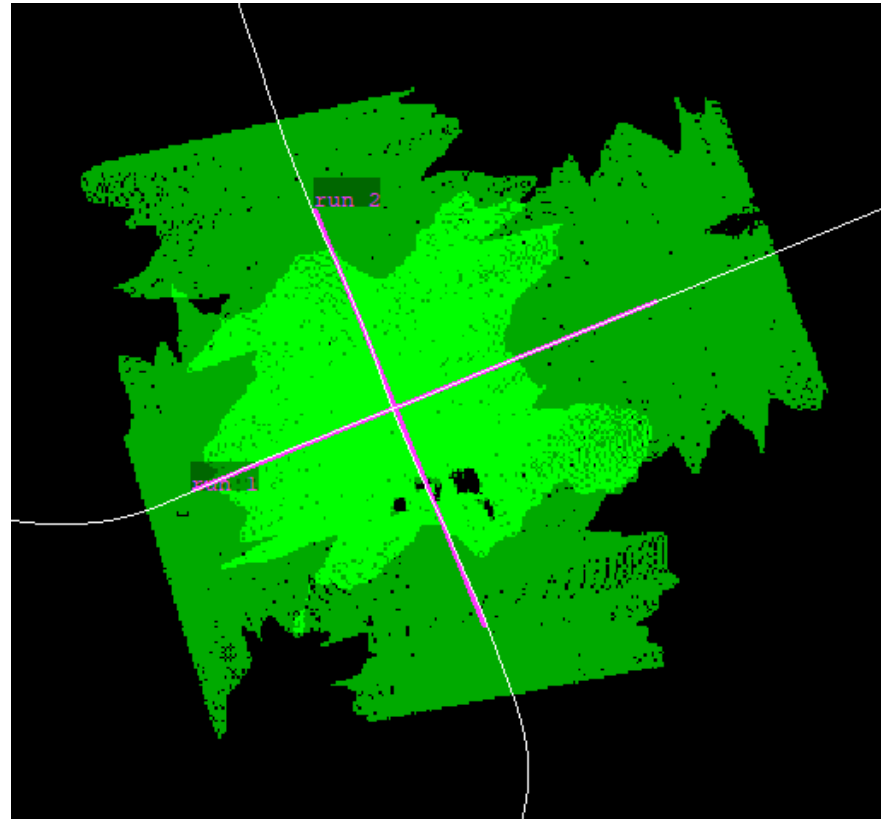
Flight Screenshots

Example lidar training flight involving multiple flight plans and laser settings (from 2026033016):

V10C



H10C



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: 100% (20/20)

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: 100% (4/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

* Flown within 35deg solar angle

D00|N10D (Nominal Runway at KBDU - Riegl VQ780_II S)

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														

Flown: 100% (26/26)

Green: 0% (0/26)

Yellow: 38% (10/26)

Red: 62% (16/26)

* 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 Nominal Science Flight)

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: 45% (13/29)

Green: 0% (0/29)

Yellow: 10% (3/29)

Red: 31% (9/29)

* Flown within 35deg solar angle

D00|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 100% (2/2)

Green: 100% (2/2)

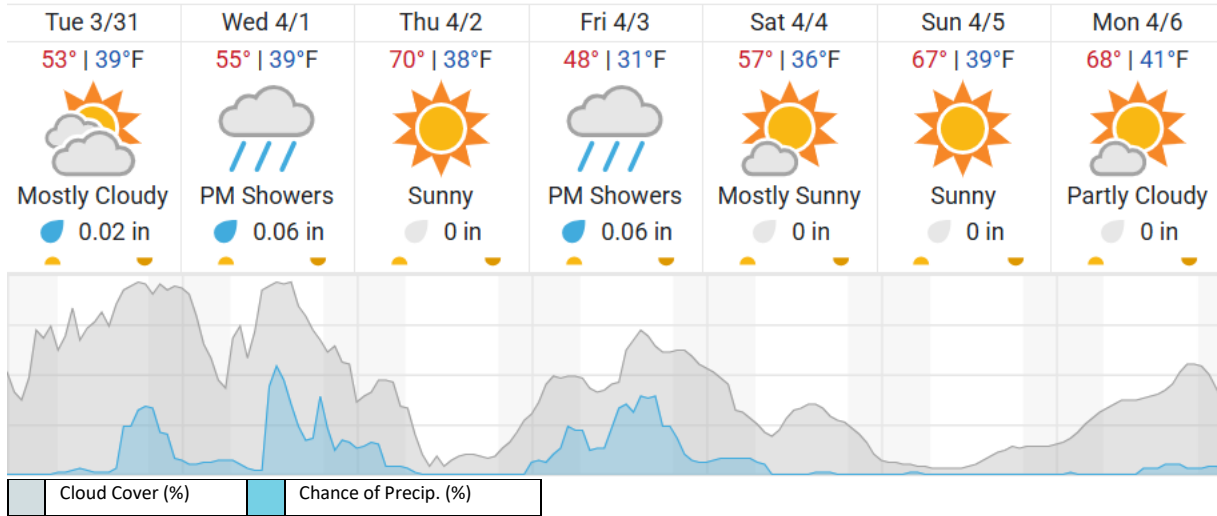
Yellow: 0% (0/2)

Red: 0% (0/2)

* Flown within 35deg solar angle

Weather Forecast

Boulder, CO (KBDU)



source: wunderground.com

Flight Collection Plan for 31 March 2026

Flyority 1: Training and Recertification of ASOs

Collection Area: Multiple

On-Station Time: No solar angle restrictions.

Crew: Nick (Lidar), John (NIS), Elissa (Ground)