



Payload 3 Daily Flight Report



Date: 2026-08-29

Flight Campaign ID: P3C1

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

Aircraft: N537AR

Domain: 00 (Training & Calibration)

Sites Flown: H10C (NEON HQ Lidar Validation), B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

Days left in Domain: 2

Report Author: Alyssa

Lidar Operators: Alyssa

Spectrometer Operators: Matt

Pilots: Troy, Jonathan

Ground Crew: Elissa, Nick

Flight Hours: 01:14

Hours until maintenance: 119.67

GPS Instruments: AOP_KBDU, U-CHLL

Summary

Crew attempted to collect boresight, but with non-uniform shadows they elected to just collect a few lines for lidar training. Crew then collected the HQ lidar validation without issue.

Concerns

None.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

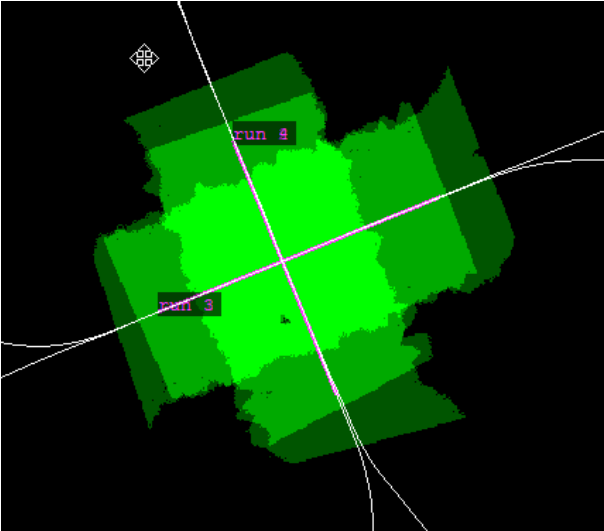
D10|H10C

Line #	1	2	3	4
Lidar	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

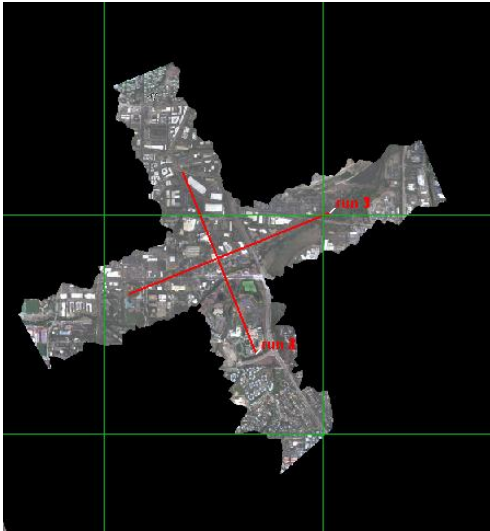
Total number of lines flown: 4

Flight Screenshots

Lidar H10C



NIS H10C



Pictures

Shadows over Greeley.



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

D10|H10C ()

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

D10|N10D ()

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: 92% (24/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 92% (24/26)
* Flown within 35deg solar angle

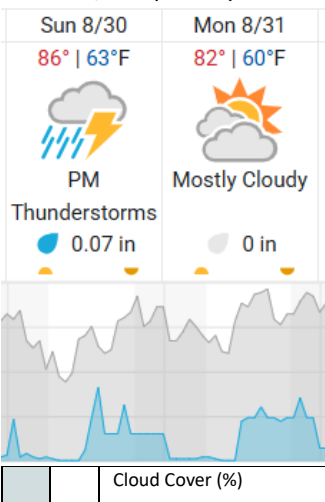
D10|W10C ()

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)



source: wunderground.com

Greeley, CO (B10E)



Flight Collection Plan for 30 August 2026

Flyority 1

Collection Area: Riegl Boresight Calibration (B10E)
Flight Plan Name: D10_B10E_Boresight_1600m/1000m/500m_Q780
On-Station Time: 1510 UTC/0910 L

Crew: Alyssa (Lidar), Elissa (NIS), Matt (Ground)