



Payload 3 Daily Flight Report



Date: 2026-08-26

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: 4

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Alyssa

Hours until maintenance: 123.90

Pilots: Troy, Jonathan

Ground Crew: Matt

Summary

Today payload 1 was shutdown and prepped for removal from the plane. Payload 3 was turned on and put through an accelerated checkout.

Concerns

Recurring boot issues observed with NIS-3 and the camera computer will have to be further investigated after install and during Boulder calibration flights.

Comments

P1 deinstall and P3 install scheduled for tomorrow.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

* 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

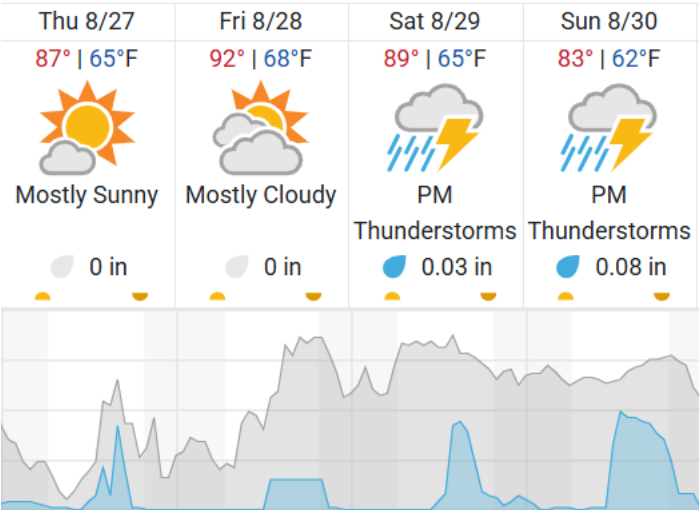
D00 | W10C (Wiggle Timing Test - Riegl)

1	2
---	---

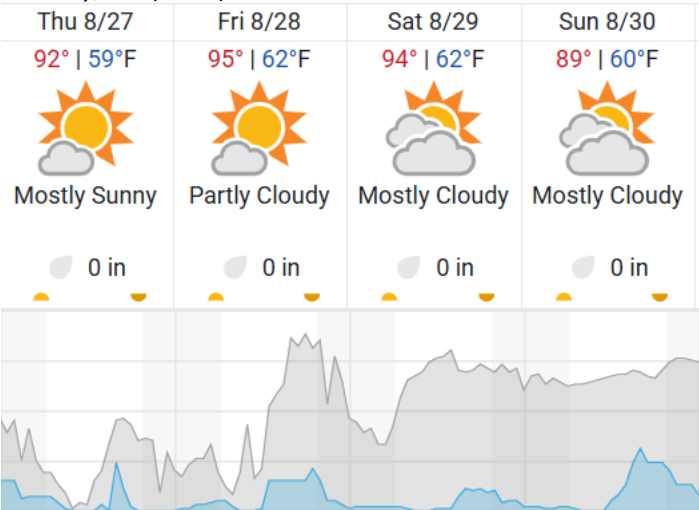
Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)
* Flown within 35deg solar angle

Weather Forecast

Boulder, CO (KBDU)



Greeley, CO (B10E)



Cloud Cover (%)	Chance of Precip. (%)
-----------------	-----------------------

Flight Collection Plan for 27-28 August 2026

Payload install; pumping and cooling.

Crew: Matt, Alyssa, Elissa

Flight Collection Plan for 29 August 2026

Flyority 1

Collection Area: Nominal Runway Survey (N10D)

Flight Plan Name: D10_N10D_Nominal_Rnwy_v8_Q780

On-Station Time: N/A

Flyority 2

Collection Area: Riegl Boresight Calibration (B10E)

Flight Plan Name: D10_B10E_Boresight_1600m/1000m/500m_Q780

On-Station Time: 1510 UTC/0910 L

Flyority 3

Collection Area: Wiggle Timing Test (W10C)

Flight Plan Name: D10_W10C_Wiggle_Test_v6_Q780

On-Station Time: 1610 UTC/1010 L

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