



Payload 1 Daily Flight Report



**Date:** 2026-05-04  
**Flight Campaign ID:** P1C1  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO  
**Aircraft:** N537AR

**Domain:** 00 (Training & Calibration)  
**Sites Flown:** V10F Boulder City nominal Science Flight  
**Days left in Domain:** 7

**Report Author:** Matt  
**Lidar Operators:** Matt/ Alyssa    **Flight Hours:** 01.11  
**Spectrometer Operators:** N/A    **Hours until maintenance:** 117.17  
**Pilots:** Manning, Rusty    **GPS Instruments:** AOP\_KBDU  
**Ground Crew:** Mike

**Summary**

The weather held off and allowed the crew to complete 8 lines of the V10F flight plan for training.

**Concerns**

None

**Comments**

Alyssa completed her initial P1 Galaxy Lidar training observation flight. No NIS data collected and Lidar data will not be processed.

**Daily Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

**Cumulative Domain Coverage**

D00| B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

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: 100% (20/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

\* Flown within 35deg solar angle

D00| H10D (NEON Headquarters Lidar Validation - Galaxy)

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|N10F (Nominal Runway at KBDU - Galaxy)

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	30	31	32	33	34	35	36	37				

Flown: 100% (37/37)

Green: 0% (0/37)

Yellow: 0% (0/37)

Red: 100% (37/37)

\* Flown within 35deg solar angle

### D00|R10F (Boulder Airport Radiometric Calibration - Galaxy)

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|W10D (Wiggle Timing Test - Galaxy)

1	2
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Flown: 100% (2/2)

Green: 100% (2/2)

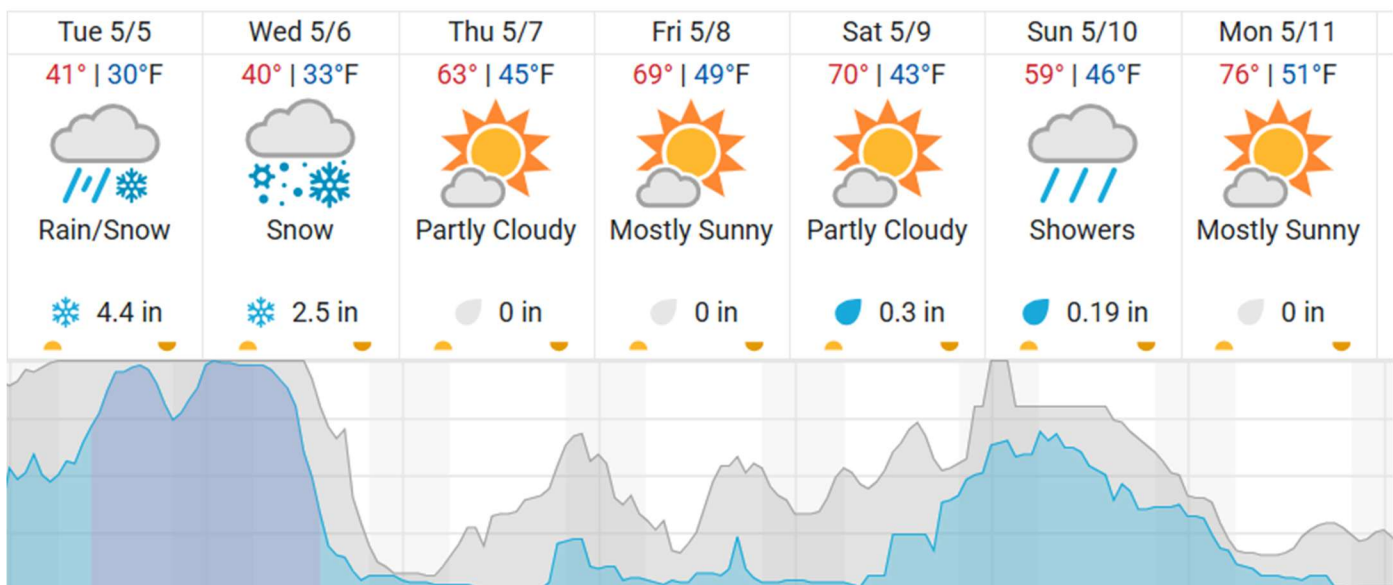
Yellow: 0% (0/2)

Red: 0% (0/2)

\* Flown within 35deg solar angle

## Weather Forecast

### Boulder, CO (KBDU)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

## **Flight Collection Plan for 5 May 2026**

Severe weather is expected 5/5-5/6. Crew will check in as normal but no flights planned

### **Flyority 1**

Collection Area: Boulder City Nominal Science Flight

Flight Plan Name: D10\_V10F\_Boulder\_City\_v11\_PRM

On-Station Time: 1540 UTC / 0940 L

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