



Payload 1 Daily Flight Report

Date: 2026-05-11
Flight Campaign ID: P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO; -
Aircraft: N537AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 0

Report Author: Cameron
Lidar Operators: **Flight Hours:** 00:00
Spectrometer Operators: **Hours until maintenance:** 115.20
Pilots: Manning, Rusty
Ground Crew: Cameron, Matt, Alyssa

Summary

- The aircraft has been packed and prepared to transit to D15 in the morning.

Concerns

- The chiller isn't operating at full efficacy causing the cryo-cooler to slightly overheat. A spare chiller was tested however; too much amperage was being drawn causing the UPS1250 to shut down. Efforts to switch the chiller will continue after P1's return to Boulder from D15.

Comments

- A member from Scientific Aviation dropped by for a tour of the AOP.
- Pilot rotation, Manning, Rusty **OUT** Cody, Troy **IN**.

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|V10F (Boulder City Nominal - 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											

Flown: 3% (1/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 3% (1/29)

* 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)

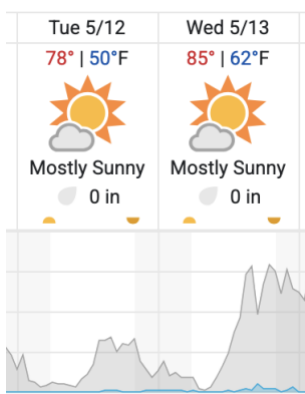
Yellow: 0% (0/2)

Red: 0% (0/2)

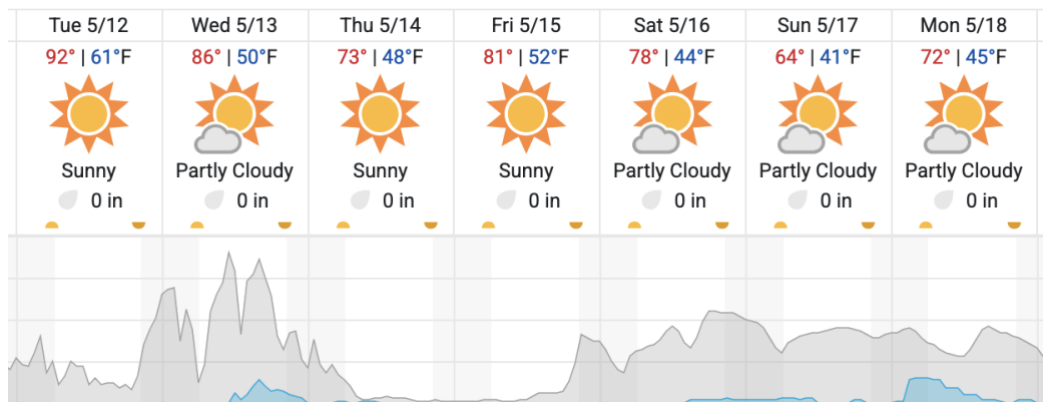
* Flown within 35deg solar angle

Weather Forecast

Boulder, CO (KBDU)



Provo, UT (FBO)



source: underground.com

Cloud Cover (%)	Chance of Precip. (%)
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Crew: Alyssa (Transit), Matt (Ground KBDU), Elissa (Ground KPVO)