



Payload 1 Daily Flight Report



Date: 2022-11-19

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 7

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 00:00

Spectrometer Operators: Matt

Hours until maintenance: 42.78

Pilots: Vince, Justin

Summary

The payload went into cooling mode last night and continued to cool throughout the day. The system will be ready for possible calibration flights starting tomorrow morning.

Concerns

- None

Comments

- Lab installed the replacement IWR3 digitizer in P1 last night.
- Abe departed Boulder today. Thanks for the hard work Abayam!

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots: None

Pictures: None

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

Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

1	2	3	4
---	---	---	---

Flown: 0% (0/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

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: 0% (0/37)
Green: 0% (0/37)
Yellow: 0% (0/37)
Red: 0% (0/37)

D00|R10F (Boulder Airport Radiometric Calibration - Galaxy)

1	2	3	4	5
---	---	---	---	---

Flown: 0% (0/5)
Green: 0% (0/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

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											

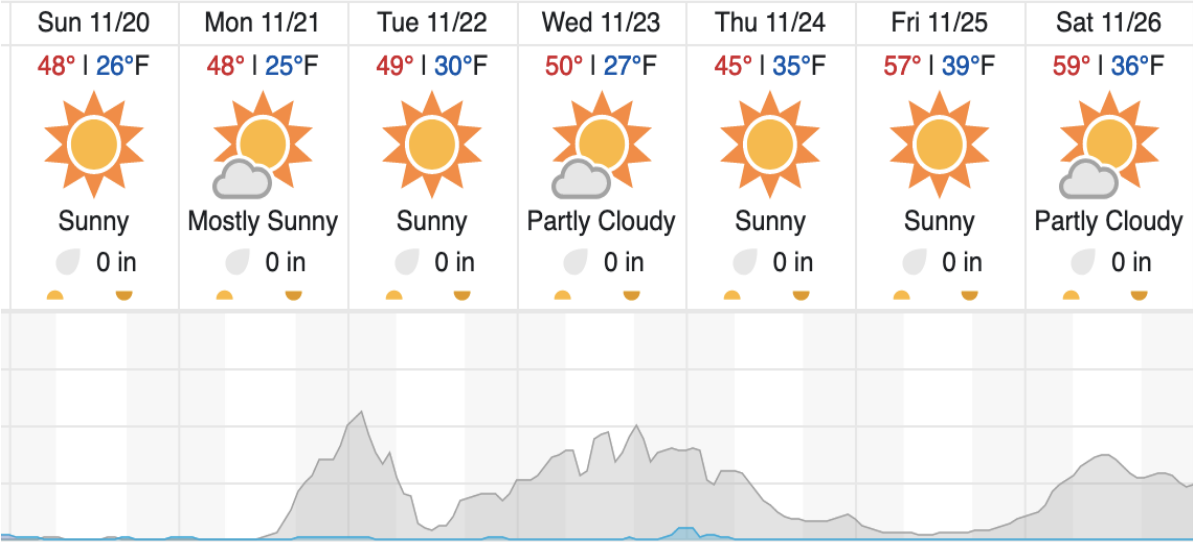
Flown: 0% (0/29)
Green: 0% (0/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

D00|W10D (Wiggle Timing Test - Galaxy)

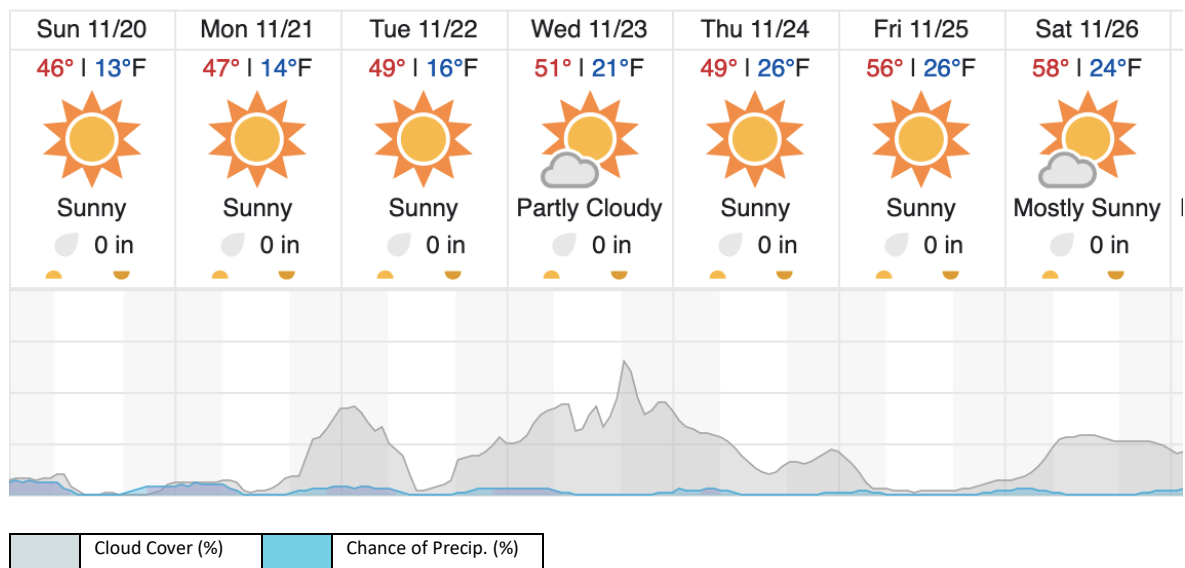
1	2
---	---

Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

Weather Forecast
Boulder, CO



Greeley, CO



source: wunderground.com

Flight Collection Plan for 20 November 2022

Flyority 1

Collection Area: Radiometric Calibration – Boulder Airport

Flight Plan Name: D10_R10F_Radiometric_Cal_KBDU_v1_PRM.xml

On-station Time: 1830 UTC / 1130 L | **Off-Station Time** 1900 UTC / 1200L (30 degrees solar elevation)

Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10_B10F_Boresight_Geocal_v9_PRM.xml

On-station Time: 1700 UTC / 1100 L (25 degrees solar elevation)

Flyority 3

Collection Area: [Functional Checkout Flight] -- Nominal Runway Survey

Flight Plan Name: D10_N10F_Nominal_Rnwy_v10_PRM.xml

On-station Time: N/A

Flyority 4

Collection Area: Wiggle Timing Test

Flight Plan Name: D10_W10D_Wiggle_Test_v6_PRM.xml

On-station Time: N/A

Flyority 5

Collection Area: NEON HQ Lidar Validation

Flight Plan Name: D10_H10D_HQ_LIDAR_validation_v1_PRM.xml

On-station Time: N/A

Flyority 6

Collection Area: Boulder City Nominal Science Flight

Flight Plan Name: D10_V10F_Boulder_City_v8_PRM.xml

On-station Time: 1700 UTC / 1100 L (25 degrees solar elevation)

Crew: Matt (Lidar) Cam (NIS) Mike (Ground)