



## Payload 1 Daily Flight Report



**Date:** 2023-03-26

**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:** 4

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Cameron

**Hours until maintenance:** 118.72

**Pilots:** Justin, Vince

**Ground Crew:** Elissa

### Summary

High cirrus clouds this morning following by a larger stratus layer lead to overcast conditions throughout the day and no chance for a green, clear sky collect for Radiometric or NIS Offset.

### Concerns

None

### Comments

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
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Flown: 100% (20/20)

Green: 0% (0/20)

Yellow: 75% (15/20)

Red: 25% (5/20)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

1	2	3	4
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Flown: 100% (4/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 100% (4/4)

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: 100% (37/37)

Green: 14% (5/37)

Yellow: 86% (32/37)

Red: 0% (0/37)

## D00|O10C (NIS Offset - Galaxy)

1 2

Flown: 0% (0/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

## D00|R10E (Table Mountain 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|W10D (Wiggle Timing Test - Galaxy)

1 2

Flown: 100% (2/2)

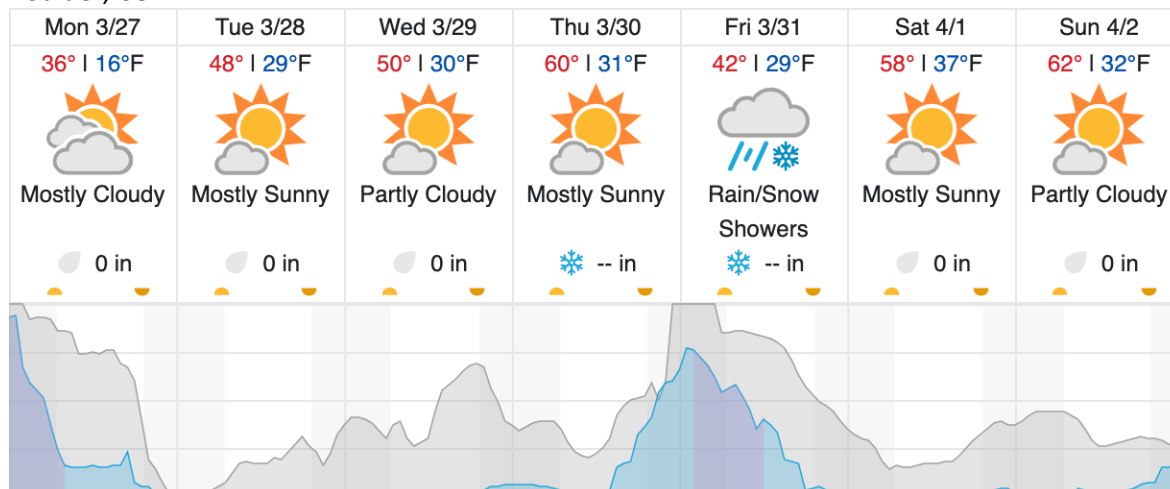
Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 100% (2/2)

## Weather Forecast

Boulder, CO



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

source: wunderground.com

## Flight Collection Plan for 27 March 2023\

### Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10\_R10E\_Radiometric\_Cal\_Table\_Mtn\_v1\_PRM.xml

45° On-station Time: 1740 UTC / 1140 L

Additional Considerations: Ground should be dry.

### Flyority 2

Collection Area: NIS Offset Flight

Flight Plan Name: D10\_O10C\_NIS\_Offset\_v2\_PRM.xml

35° On-station Time: 1620 UTC / 1030 L

## Flight Crew

Cam (Lidar), Mitch (NIS), Matt (Ground)

### **Flight Collection Plan for 28 March 2023**

#### **Flyority 1**

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10\_R10E\_Radiometric\_Cal\_Table\_Mtn\_v1\_PRM.xml

45° On-station Time: 1740 UTC / 1140 L

Additional Considerations: Ground should be dry.

#### **Flyority 2**

Collection Area: NIS Offset Flight

Flight Plan Name: D10\_O10C\_NIS\_Offset\_v2\_PRM.xml

35° On-station Time: 1620 UTC / 1030 L

#### **Flight Crew**

Matt (Lidar), Abe (NIS), Mitch (Observer if needed), Cam (Ground)