



## Payload 3 Daily Flight Report



**Date:** 2022-04-14

**Flight Campaign ID:** P3C1

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

**Aircraft:** N70AR

**Domain:** 00 (Training & Calibration)

**Sites Flown:** None

**Days left in Domain:** 11

**Report Author:** Elissa

**Lidar Operators:** Abe

**Flight Hours:** 00:00

**Spectrometer Operators:** Elissa **Hours until maintenance:** 0.00

**Pilots:** Nick, Magnus

**Ground Crew:** Cameron

### Summary

High winds continued today, with gusts exceeding the opening threshold of the hangar door. No flights were attempted.

### Concerns

None.

### Comments

Ian set up new temperature alerts to help monitor the temperature directly around the PIM.

### Pictures



The 2022 flag has arrived in the hangar! Photo by Mike.

## Cumulative Domain Coverage

### 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
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Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

### D00|H10C (NEON Headquarters Lidar Test - Riegl)

1	2	3	4
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Flown: 0% (0/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

### 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)

### D00|O10B (NIS Offset - Riegl)

1	2
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Flown: 0% (0/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

### D00|R10C (Table Mountain Radiometric Calibration - Riegl)

1	2	3	4	5
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Flown: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

### D00|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 0% (0/2)

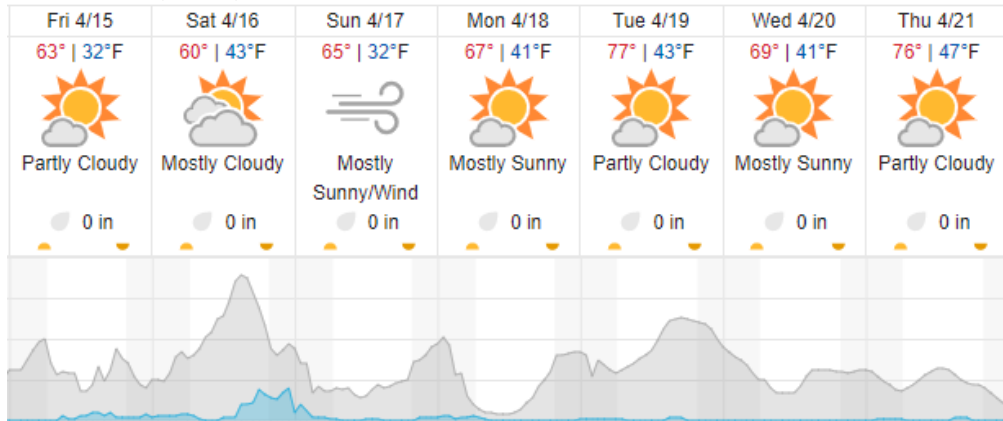
Green: 0% (0/2)

Yellow: 0% (0/2)

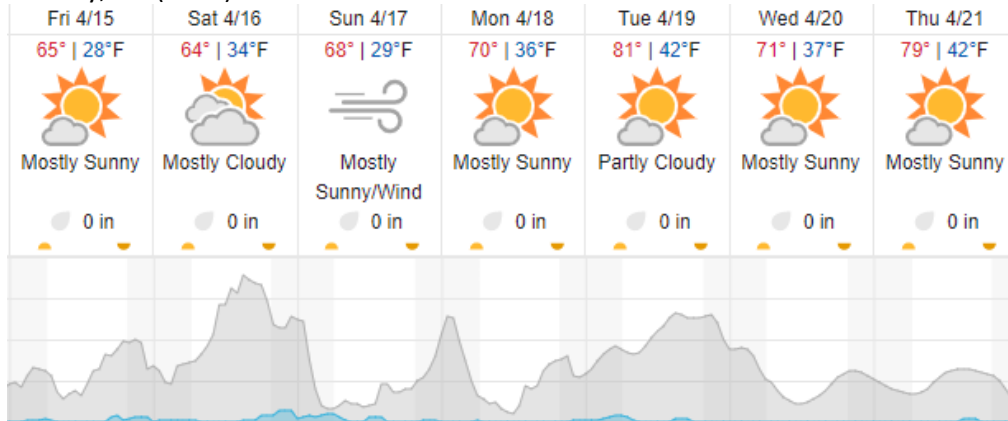
Red: 0% (0/2)

## Weather Forecast

### Boulder, CO (KBDU)



### Greeley, CO (B10E)



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

## Flight Collection Plan for 15 April 2022

### Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10\_R10C\_Rad\_Cal\_TBMT\_v1\_Q780

45° On-station Time: 1640 UTC / 1040 L

40° On-station Time: 1610 UTC / 1010 L

Additional Considerations: Ground should be dry.

### Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10\_B10E\_Boresight\_1600m\_Q780

30° On-station Time: 1510 UTC / 0910 L

Additional Considerations: No recent snowfall, clear roofs required.

### Flyority 3

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

Name: D10\_N10D\_Nominal\_Rnwy\_v8\_Q780

On-Station Time: Daylight – No solar angle restrictions.

Additional Considerations: Runway should not be wet or snow covered.

**Flyority 4**

Collection Area: Wiggle Timing Test

Flight Plan Name: D10\_W10C\_Wiggle\_Test\_v5\_Q780

On-station Time: Daylight – No solar angle restrictions.

**Flyority 5**

Collection Area: NEON HQ Lidar Validation

Flight Plan Name: D10\_H10C\_HQ\_LIDAR\_val\_v1\_Q780

On-station Time: Daylight – No solar angle restrictions.

**Flyority 6**

Collection Area: NIS Offset Flight

Flight Plan Name: D10\_O10B\_NIS\_Offset\_v2\_Q780

35° On-station Time: 1540 UTC / 0940 L

**Flight Crew:**

15 April 2022

**1<sup>st</sup> Flight**

Abe (Lidar), Elissa (NIS), Cameron (Trainer)

**2<sup>nd</sup> Flight**

Matt (Lidar) Mike (NIS), Mitch (Trainer)