



## Payload 3 Daily Flight Report



**Date:** 2023-04-16

**Flight Campaign ID:** P3C1

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

**Aircraft:** N934MU

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

**Sites Flown:** None

**Days left in Domain:** 2

**Report Author:** Nick

**Lidar Operators:** n/a

**Flight Hours:** 0.0

**Spectrometer Operators:** n/a

**Hours until maintenance:** 112.9

**Pilots:** Paul, Jeff

**GPS Instruments:** n/a

**Ground Crew:**

### Summary

With no fix for the lidar over-current issue, no flights were attempted.

### Concerns

A software update to resolve the lidar over-current issue is anticipated from the vendor.

### Comments

None

### 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: 100% (20/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 100% (20/20)

D00|H10C (NEON Headquarters Lidar Test - Riegl)

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|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: 64% (18/28)

Green: 29% (8/28)

Yellow: 4% (1/28)

Red: 32% (9/28)

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

1 2

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

Flown: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

### D00|R10D (Boulder Airport Radiometric Calibration)

1 2 3 4 5

Flown: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

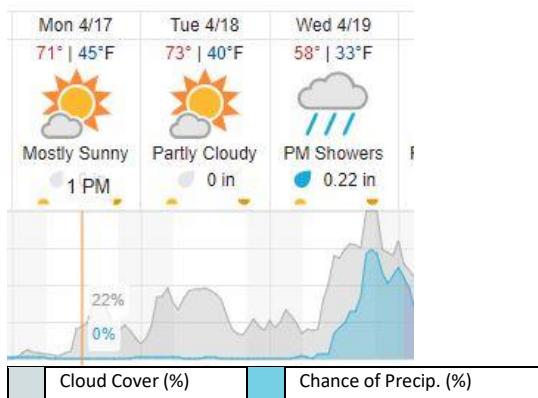
### D00|W10C (Wiggle Timing Test - Riegl)

1 2

Flown: 100% (2/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 100% (2/2)

## Weather Forecast

### Boulder, CO



source: wunderground.com

## Flight Collection Plan for April 15th, 2023

### Flyority 1

Collection Area: Nominal Runway Survey Flight Plan (Lines 1-8, 11-12, 25-28)

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 2**

Collection Area: NIS Offset Flight

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

35° On-station Time: 1540 UTC / 0940L

Crew: Elissa (lidar), Nick (NIS), Matt (Ground)