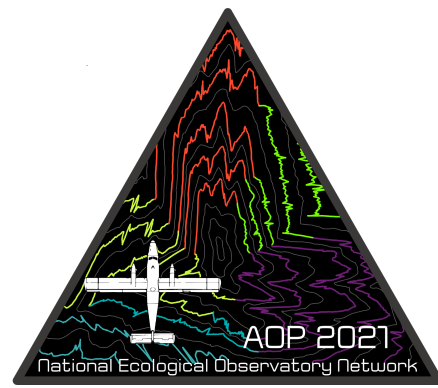




## Payload 3 Daily Flight Report



**Date:** 2021-04-15

**Flight Campaign ID:** P3C1

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

**Aircraft:** N615AR

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

**Sites Flown:** None

**Days left in Domain:** 3~

**Report Author:** Cameron Chapman

**Lidar Operators:** Cameron Chapman

**Spectrometer Operators:** Mitch Haynes

**Pilots:** Vince Maarschalkerweerd, Mark Solper

**Ground Crew:** Abe Morrison

**Flight Hours:** 00:00

**Hours until maintenance:** 0.00

### Summary

Morning clouds and afternoon snow showers in Boulder today. No flights were conducted.

### Concerns

- None

### Comments

- P3 is considering departing to D08 on Sunday given the snow/rain forecast on Monday.
- P3 D08 transit crew reached out to D08 Domain manager for GPS Deployment coordination.
- Pilot Stephen Brawders will replace Mark Solper on Saturday afternoon.
- NSF logos will be applied to P3 by Twin Otter in the coming days.

### Daily Coverage

Estimated Cloud Cover Key

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

### Flight Screenshots

None:

### Pictures

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

Flown: 100% (20/20)

Green: 0% (0/20)

Yellow: 100% (20/20)

Red: 0% (0/20)

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

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

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: 86% (24/28)

Green: 46% (13/28)

Yellow: 0% (0/28)

Red: 39% (11/28)

### 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: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

### D00|V10C (Boulder City South)

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: 31% (9/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 31% (9/29)

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

1	2
---	---

Flown: 100% (2/2)

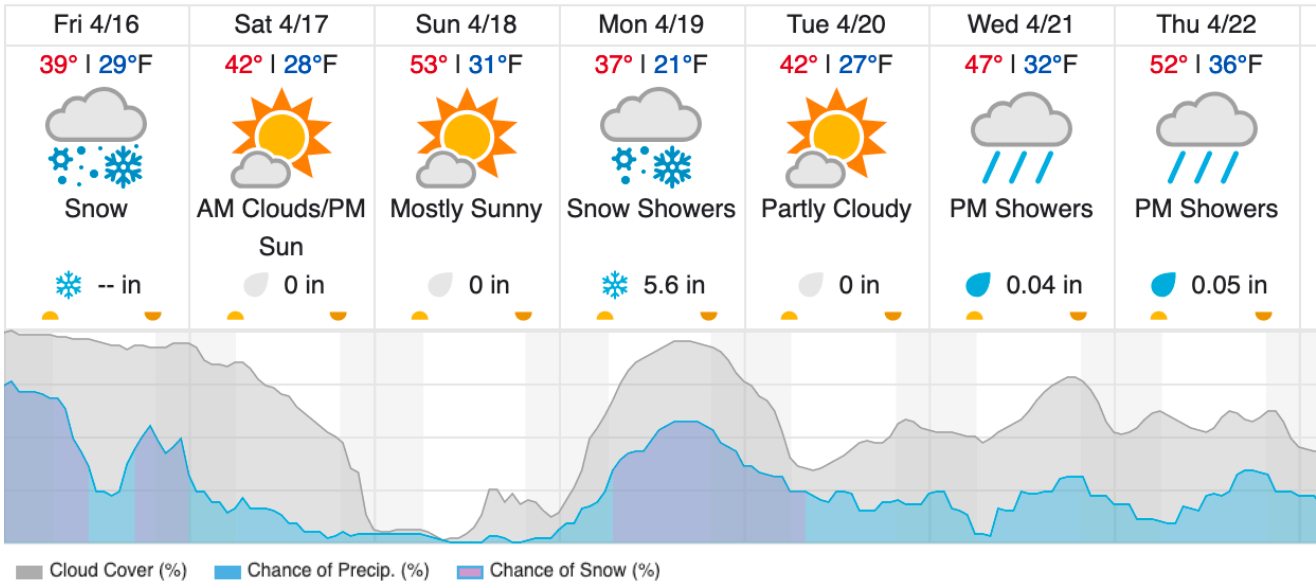
Green: 100% (2/2)

Yellow: 0% (0/2)

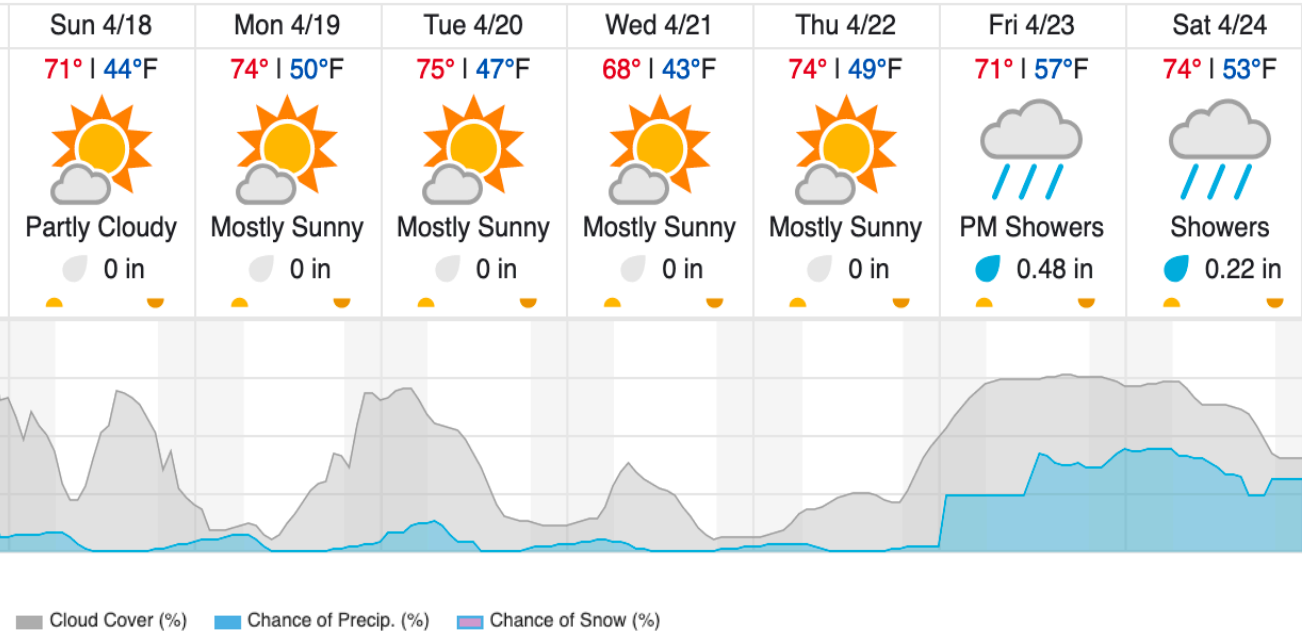
Red: 0% (0/2)

Weather Forecast

Boulder, CO



Tuscaloosa, AL



source: wunderground.com

### **Flight Collection Plan for 16 April, 2021**

#### **Flyority 1**

Collection Area: Table Mountain Radiometric Calibration – Boulder Airport

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

On-station Time: 1700 UTC / 1100 L

Additional Considerations: Ground should be dry.

#### **Flyority 2**

Collection Area: NIS Offset Flight

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

On-station Time: 1630 UTC / 1030 L

Crew: Abe (Lidar), Cam (NIS), Elissa (Ground), Mitch (Ground)

### **Flight Collection Plan for 17 April, 2021**

#### **Flyority 1**

Collection Area: Table Mountain Radiometric Calibration – Boulder Airport

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

On-station Time: 1700 UTC / 1100 L

Additional Considerations: Ground should be dry.

#### **Flyority 2**

Collection Area: NIS Offset Flight

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

On-station Time: 1630 UTC / 1030 L

Crew: Mitch (Lidar), Elissa (NIS), Cam (Ground)