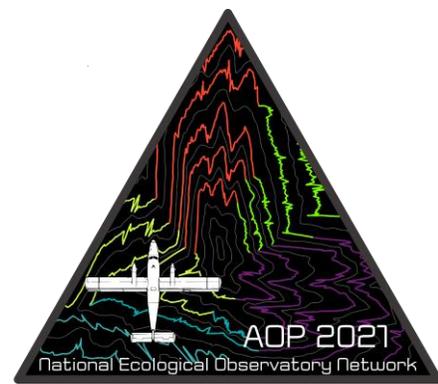




## Payload 3 Daily Flight Report



**Date:** 2021-03-21

**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:** 8

**Report Author:** Abe Morrison

**Lidar Operators:** Abe Morrison

**Spectrometer Operators:** Mitch Haynes

**Pilots:** Micah Hoogeveen, Justin Eddington

**Adt'l Flight Crew:** Cameron Chapman, Elissa Barris

**Flight Hours:** 00:00

**Hours until maintenance:** 116.53

**Ground Crew:** Nick Marusich

### Summary

No flights were conducted today. The crew came into the hangar and concentrated on troubleshooting several issues identified over the last few training and calibration flights. The crew also conducted the mercury lamp test.

### Concerns

- Tested importing new Training Flight Plans Tracker Projects in Snapshot. Plans imported correctly into the 2021\_Campaign folder, but flight lines loaded in Snapshot for V10C flight plan still don't match flight lines loaded on the Pilot Display. Incident appears to be isolated to just the V10C flight plan.
- Tested Midas computer's failed boot issue in the hangar. Failed boots appear to occur directly following UPS being drained (i.e. tow outs), but boots fine after cycling power, even when UPS is still recharging.
- Camera QA is fixed and has now been re-run for all flights. NIS QA is the last remaining QA Check that has yet to be successfully completed for any flights. Alok and Andrew will begin troubleshooting tomorrow morning.

### Comments

- Crew handoff occurring tomorrow
- Conducted Mercury Lamp

## Daily Coverage

Estimated Cloud Cover Key

Green: 0-10%	Yellow: 11-50%	Red: >50%
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## 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: 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
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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|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: 10% (3/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 10% (3/29)

D00|W10C (Wiggle Timing Test - Riegl)

1	2
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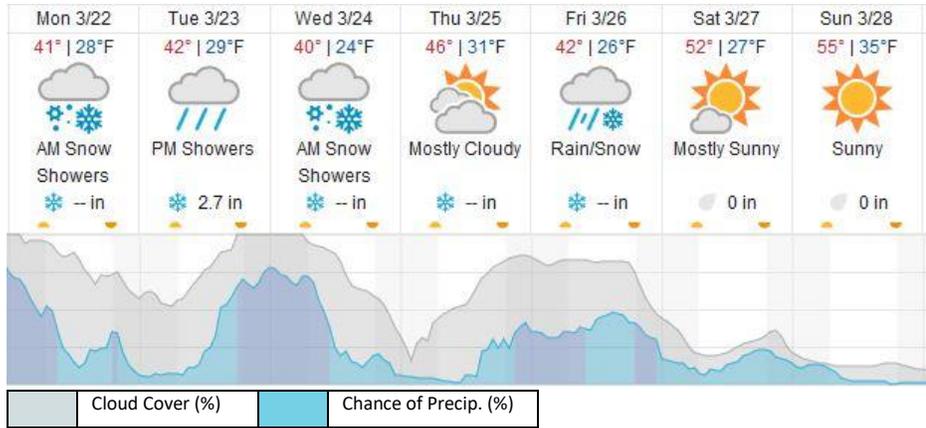
Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

### Weather Forecast



source: wunderground.com

### Flight Collection Plan for 21 March 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: Boresight Calibration – Greeley, CO

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

On-station Time: 1600 UTC / 1000 L

Additional Considerations: No recent snowfall, clear roofs required.

#### Flyority 3

Collection Area: NIS Offset Flight

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

On-station Time: 1630 UTC / 1030 L

Flight Crew: John, Mike, Ivana, Robb, Matt