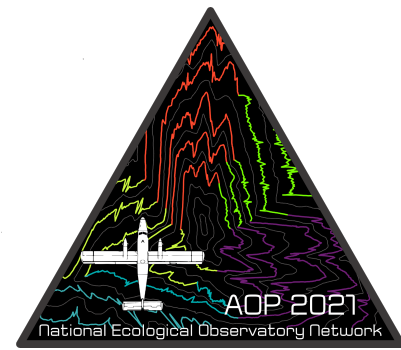




# Payload 1 Daily Flight Report



**Date:** 2021-04-20  
**Flight Campaign ID:** P1C2  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO  
**Aircraft:** N331AR

**Domain:** 00 (Training & Calibration)  
**Sites Flown:** None  
**Days left in Domain:** 9

**Report Author:** Mike Wussow  
**Lidar Operators:** Mike Wussow  
**Spectrometer Operators:** Elissa Barris  
**Pilots:** Will Mathews, Justin Eddington  
**Ground Crew:** Ivana Vu

**Flight Hours:** 00:00  
**Hours until maintenance:** 104.33  
**GPS Instruments:** None

## Summary

Significant snowfall in the Boulder area and at the Boulder Airport prevented flights from occurring today.

## Concerns

None

## Comments

Happy Earth Day!

## 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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 100% (20/20)  
 Green: 100% (20/20)  
 Yellow: 0% (0/20)  
 Red: 0% (0/20)

D00|BLKF (Black Forest Waveform Range Test - Galaxy)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21																			

Flown: 100% (21/21)  
 Green: 0% (0/21)  
 Yellow: 100% (21/21)  
 Red: 0% (0/21)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

1	2	3	4
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Flown: 100% (4/4)  
 Green: 100% (4/4)  
 Yellow: 0% (0/4)  
 Red: 0% (0/4)

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					

Flown: 43% (15/35)  
 Green: 0% (0/35)  
 Yellow: 0% (0/35)  
 Red: 43% (15/35)

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

D00|V10F (Boulder City Nominal - 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											

Flown: 38% (11/29)  
 Green: 14% (4/29)  
 Yellow: 0% (0/29)  
 Red: 24% (7/29)

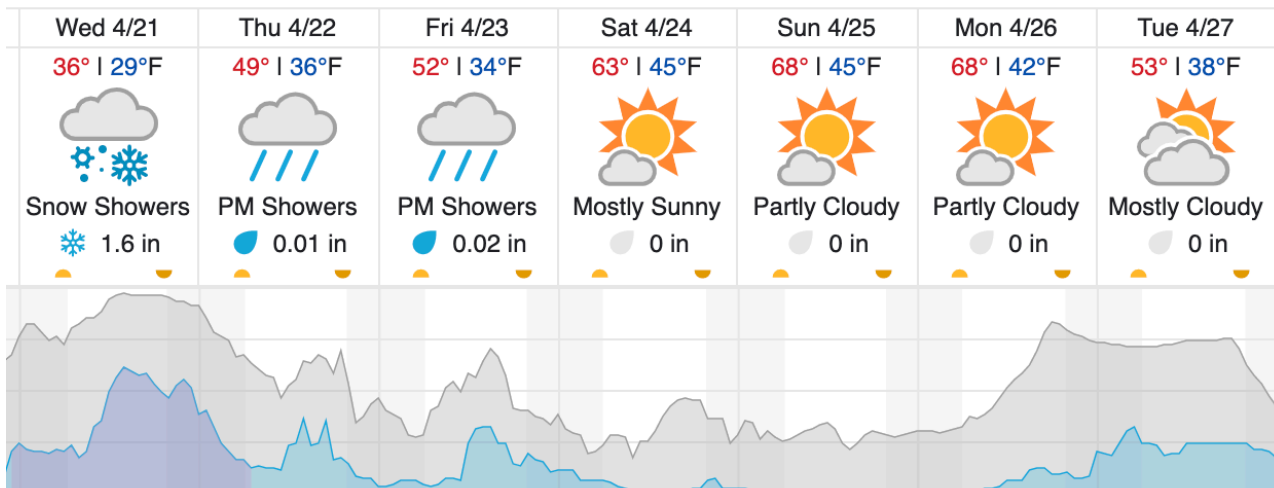
D00|W10D (Wiggle Timing Test - Galaxy)

1	2
---	---

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

**Weather Forecast**

Boulder, CO



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

## **Flight Collection Plan for 21 April 2021**

### Flyority 1

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

Name: D10\_N10F\_Nominal\_Rnwy\_v9\_PRM.xml

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\_O10C\_NIS\_Offset\_v2\_PRM.xml

On-station Time: 1600 UTC / 1000 L

Crew: Elissa (Lidar), Ivana (NIS), Robb (Ground)