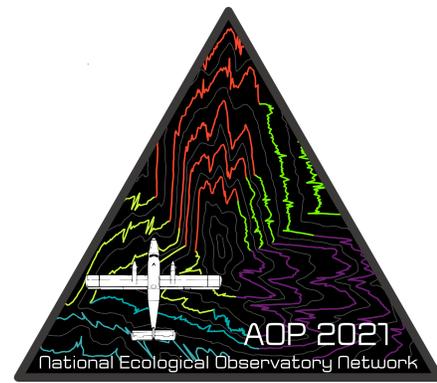




Payload 3 Daily Flight Report



Date: 2021-03-24

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: 5

Report Author: John Adler

Lidar Operators: John Adler

Spectrometer Operators: Robb Walker

Pilots: Justin Eddington, Micah Hoogeveen

Adt'l Flight Crew: Ivana Vu

Flight Hours: 00:00

Hours until maintenance: 115.90

GPS Instruments: AOP_KBDU

Ground Crew: John Adler

Summary

Snow on the ground and building rooftops prevented calibration flights. Marginal VFR and low clouds during the day prevented any training flights. Ground training on lidar was done for John and Robb; Mitch and Ivana began packing for D17.

Concerns

None

Comments

- NTR

Daily Coverage

Estimated Cloud Cover Key

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

D00|W10C

Line #	1
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	

Total number of lines flown: 1 (4 passes)

Flight Screenshots

n/a

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: 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
---	---	---	---

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
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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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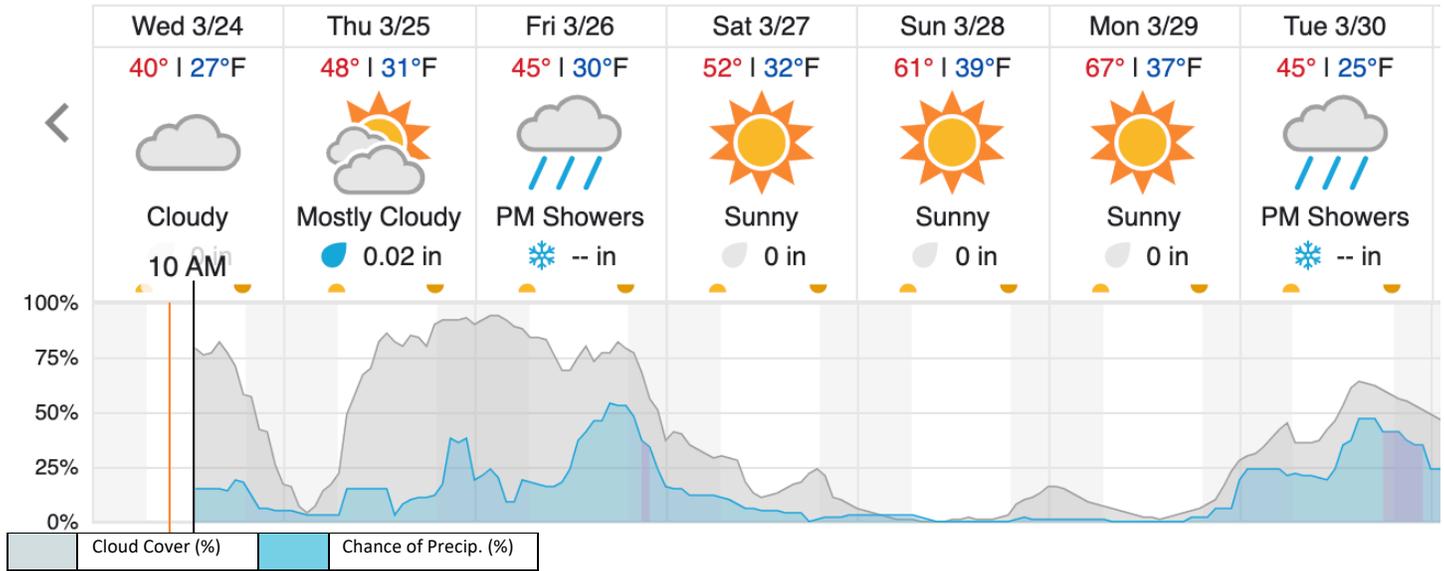
Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

Weather Forecast



Flight Collection Plan for 25 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: Ivana, John, Matt, Mike, Robb