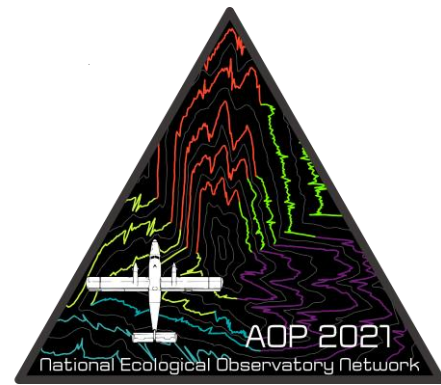




Payload 3 Daily Flight Report



Date: 2021-04-16

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: 2~

Report Author: Abe Morrison

Lidar Operators: Abe Morrison

Flight Hours: 00:00

Spectrometer Operators: Cameron Chapman

Hours until maintenance: 79.78

Pilots: Vince Maarschalkerweerd, Mark Solper

Ground Crew: Elissa Barris, Mitch Haynes

Summary

Snow and clouds prevented any flights today. The crew continued to prep for the transit to D8.

Concerns

- None

Comments

- P3 is considering departing to D08 on Sunday given the snow/rain forecast on Monday.
- Pilot Stephen Brawders will replace Mark Solper on Saturday afternoon.
- All GPS systems have arrived at the hotel in D8. The vac pump is still in transit and should arrive Saturday or Monday.

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)

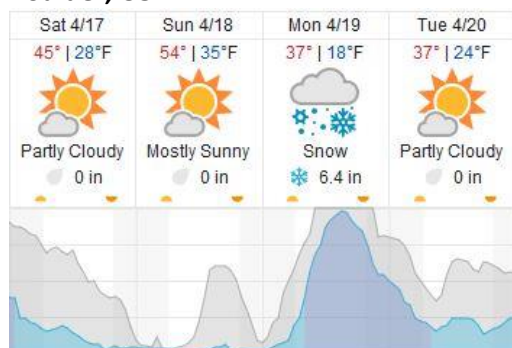
Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

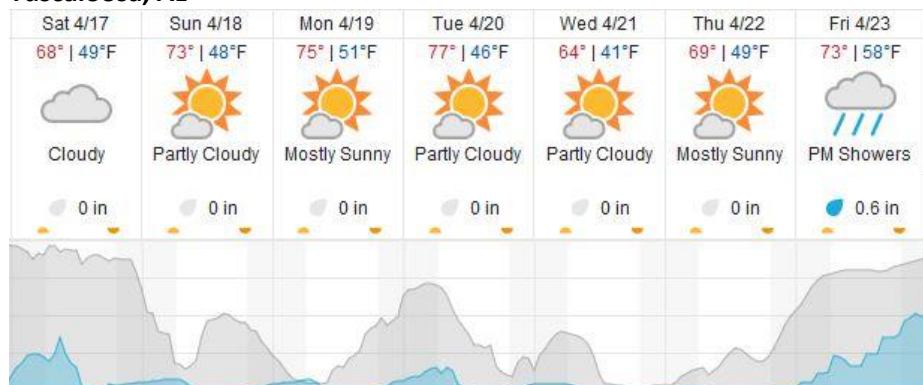
Weather Forecast

Boulder, CO



■ Cloud Cover (%) ■ Chance of Precip. (%) ■ Chance of Snow (%)

Tuscaloosa, AL



■ Cloud Cover (%) ■ Chance of Precip. (%) ■ Chance of Snow (%)

source: wunderground.com

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)

Flight Collection Plan for 18 April, 2021

Transit to D8

Or

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