Date: 2024-03-25
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N821AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 4

Report Author: Mitch
Lidar Operators: Mitch  Flight Hours: 00:00
Spectrometer Operators: Cameron  Hours until maintenance: 122.10
Pilots: Justin, Will
Ground Crew: Matt, Elissa

Summary
An overnight early spring winter storm left the front range buried under several inches of snow. Light snow showers continued throughout the morning combined with low visibility. No flights were attempted.

Concerns
None

Comments
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: 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: 0% (0/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

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 |
Flown: 86% (24/28)
Green: 0% (0/28)
Yellow: 0% (0/28)
Flight Collection Plan for 26 March 2024

Flyority 1
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
45º On-station Time: 1730 UTC / 1130 L
Additional Considerations: Ground should be dry.

Flyority 2
Collection Area: Boresight Calibration – Greeley, CO
Flight Plan Name: D10_B10E_Boresight_1600m_Q780 (RiAcquire name: D10_B10E_Boresight_Apx_Q780)
30° On-station Time: 1550 UTC / 0950 L
Additional Considerations: No recent snowfall, clear roofs required.

**Flyority 3**
Collection Area: NEON HQ Lidar Validation
Flight Plan Name: D10_H10C_HQ_val_v1_Q780
On-Station Time: Daylight – No solar angle restrictions.

**Flyority 4**
Collection Area: Wiggle Timing Test
Flight Plan Name: D10_W10C_Wiggle_Test_v6_Q780
40° On-station Time: 1650 UTC / 1050 L
Additional Considerations: Runway should not be wet, or snow covered.

**Flyority 5**
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
35° On-station Time: 1620 UTC / 1030 L

**Flight Crew**

Elissa (Lidar), Mitch (NIS), Cam (Ground), Matt (Ground)