Date: 2022-04-11
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N70AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 14

Report Author: Mitch
Lidar Operators: Abe, Cameron, Elissa, John
Flight Hours: 00:00
Spectrometer Operators: Matt, Mike, Mitch, Nick
Hours until maintenance: 123.90
Pilots: Nick, Magnus
Ground Crew: Bridget, Murph

Summary
System continued cooling. ASO completed refresher training on GPS, GSE, & AOP Electrical in the morning and training on ASD and Ground Sampling in the afternoon. Big thanks to those leading the various training exercises.

Concerns
None

Comments
AOP Kickoff breakfast tomorrow morning to be followed by our first in person staff meeting in over two years!

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: 0% (0/28)
Green: 0% (0/28)
Yellow: 0% (0/28)
Red: 0% (0/28)
Flight Collection Plan for 12 April 2022 (Once system is within spec)

**Flyority 1**
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
45° On-station Time: 1640 UTC / 1040 L
40° On-station Time: 1610 UTC / 1010 L
Additional Considerations: Ground should be dry.

**Flyority 2**
Collection Area: Boresight Calibration – Greeley, CO
Flight Plan Name: D10_B10E_Boresight_1600m_Q780
30° On-station Time: 1510 UTC / 0910 L
Additional Considerations: No recent snowfall, clear roofs required.

**Flyority 3**
Collection Area: [Functional Checkout Flight] -- Nominal Runway Survey Flight Plan
Name: D10_N10D_Nominal_Rnwy_v8_Q780
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet or snow covered.

**Flyority 4**
Collection Area: Wiggle Timing Test
Flight Plan Name: D10_W10C_Wiggle_Test_v5_Q780
On-station Time: Daylight – No solar angle restrictions.

**Flyority 5**
Collection Area: NEON HQ Lidar Validation
Flight Plan Name: D10_H10C_HQ_LIDAR_val_v1_Q780
On-station Time: Daylight – No solar angle restrictions.

**Flyority 6**
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
35° On-station Time: 1540 UTC / 0940 L