Date: 2022-04-18
Flight Campaign ID: P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N331AR

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

Report Author: Abe
Lidar Operators: Abe
Flight Hours: 00:00
Spectrometer Operators: Matt
Hours until maintenance: 124.00
Pilots: Justin, Stephen

Summary
The payload continued the pumping and cooling process today. The system will probably be ready tomorrow morning.

Concerns
None

Comments
The flight line electrical system was repaired today and appears to be fully functional. The flight crew will keep a close eye on it.

Cumulative Domain Coverage
D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

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

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D00|D10C ()

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D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

| 1 | 2 | 3 | 4 |

- Flown: 0% (0/4)
- Green: 0% (0/4)
- 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 | 36 | 37 |

- Flown: 0% (0/37)
- Green: 0% (0/37)
- Yellow: 0% (0/37)
- Red: 0% (0/37)

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 |

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

D00|W10D (Wiggle Timing Test - Galaxy)

| 1 | 2 |

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

**Weather Forecast**

Boulder, CO

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<tr>
<td>72°F</td>
<td>45°F</td>
<td>66°F</td>
<td>40°F</td>
<td>74°F</td>
<td>46°F</td>
<td>76°F</td>
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- Partly Cloudy 0 in
- Sunny 0 in
- Mostly Sunny 0 in
- Partly Cloudy 0 in
- Showers 0.14 in
- PM Showers 0.17 in
- Partly Cloudy 0.05 in
- Partly Cloudy 0 in
Flight Collection Plan for 19 April 2022

Flyority 1
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10E_Radiometric_Cal_Table_Mtn_v1_PRM.xml
45° On-station Time: 1630 UTC / 1030 L
40° On-station Time: 1600 UTC / 1000 L
Additional Considerations: Ground should be dry.

Flyority 2
Collection Area: Boresight Calibration – Greeley, CO
Flight Plan Name: D10_B10F_Boresight_Geocal_v9_PRM.xml
30° On-station Time: 1500 UTC / 0900 L
Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3
Collection Area: Nominal Runway Survey Flight Plan
Name: D10_N10F_Nominal_Rnwy_v10_PRM.xml
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_W10D_Wiggle_Test_v5_PRM.xml
On-station Time: Daylight – No solar angle restrictions.

Flyority 5
Collection Area: NEON HQ Lidar Validation
Flight Plan Name: D10_H10D_HQ_LIDAR_validation_v1_PRM.xml
On-station Time: Daylight – No solar angle restrictions.

Flyority 6
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml
35° On-station Time: 1530 UTC / 0930 L

Flight Crew:
TBD