Date: 2024-04-07  
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: 19  

Report Author: Mitch  
Lidar Operators: Mitch  
Flight Hours: 00:00  
Spectrometer Operators: Elissa  
Hours until maintenance: 105.00  
Pilots: Justin, Will  
Ground Crew: Matt  

Summary  
Power was restored to the hangar late this afternoon following the conclusion of the windstorm. After being shut down for more than 24 hours, the system had warmed considerably, and is currently being repumped and cooled. The system will most likely not be ready for flights till Tuesday at the earliest. This combined with tomorrow’s eclipse limiting our solar angle will result in no scheduled flights for tomorrow.  

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)  
<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
</table>
Flown: 100% (4/4)  
Green: 0% (0/4)  
Yellow: 100% (4/4)  
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 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
Flown: 86% (24/28)  
Green: 0% (0/28)  
Yellow: 0% (0/28)
Red: 86% (24/28)

DO0|O10B (NIS Offset - Riegl)

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

DO0|R10C (Table Mountain Radiometric Calibration - Riegl)

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

DO0|R10D (Boulder Airport Radiometric Calibration)

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

DO0|V10C (Boulder City South)

Flown: 7% (2/29)
Green: 0% (0/29)
Yellow: 0% (0/29)
Red: 7% (2/29)

DO0|W10C (Wiggle Timing Test - Riegl)

Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 100% (2/2)
Red: 0% (0/2)

Weather Forecast
Boulder, CO

<table>
<thead>
<tr>
<th>Mon 4/8</th>
<th>Tue 4/9</th>
<th>Wed 4/10</th>
<th>Thu 4/11</th>
<th>Fri 4/12</th>
<th>Sat 4/13</th>
<th>Sun 4/14</th>
</tr>
</thead>
<tbody>
<tr>
<td>58°</td>
<td>31°F</td>
<td>62°</td>
<td>40°F</td>
<td>60°</td>
<td>35°F</td>
<td>66°</td>
</tr>
</tbody>
</table>

Mostly Sunny
Sunny
Partly Cloudy
Sunny
Mostly Sunny
Sunny
Mostly Sunny
Flight Collection Plan for 8 April 2024
No fly day as system continues to cool.

Crew: Elissa, Matt

Flight Collection Plan for 9 April 2024

Flyority 1
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
45° 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: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
35° On-station Time: 1620 UTC / 1030 L

Flight Crew
Matt, Elissa, Cam (roles TBD)