Date: 2024-04-17
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: Matt
Lidar Operators: Matt    Flight Hours: 00:00
Spectrometer Operators: Mitch    Hours until maintenance: 101.47
Pilots: Vince, Will
Ground Crew: Cameron

Summary
A cloudy day across much of front range kept the aircraft grounded. No flights were attempted.

Concerns
None

Comments
Abe, Mike and John arrived in Boulder for 2024 flight season training.

Daily Coverage
Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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Solar Angle Less Than 40 degrees

Flight Screenshots

Pictures

Cumulative Domain Coverage

D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

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<thead>
<tr>
<th>Flown: 100% (20/20)</th>
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D00|H10C (NEON Headquarters Lidar Test - Riegl)
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**D00|N10D (Nominal Runway at KBDU - Riegl)**

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Flown: 86% (24/28)  
Green: 0% (0/28)  
Yellow: 0% (0/28)  
Red: 86% (24/28)

**D00|O10B (NIS Offset - Riegl)**

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

**D00|R10C (Table Mountain Radiometric Calibration - Riegl)**

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Flown: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

**D00|R10D (Boulder Airport Radiometric Calibration)**

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Green: 100% (5/5)  
Yellow: 0% (0/5)  
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**D00|V10C (Boulder City South)**

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Flown: 21% (6/29)  
Green: 14% (4/29)  
Yellow: 0% (0/29)  
Red: 7% (2/29)

**D00|W10C (Wiggle Timing Test - Riegl)**

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Flown: 100% (2/2)  
Green: 0% (0/2)  
Yellow: 100% (2/2)  
Red: 0% (0/2)
Weather Forecast
Boulder, CO

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<tbody>
<tr>
<td>AM Snow Showers</td>
<td>PM Rain</td>
<td>Snow to Rain</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>46°</td>
<td>52°</td>
<td>48°</td>
<td>69°</td>
<td>72°</td>
<td>70°</td>
<td>80°</td>
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<tr>
<td>Cloud Cover (%)</td>
<td>Chance of Precip. (%)</td>
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source: wunderground.com

Flight Collection Plan for 18 April 2024

No flights scheduled due to annual training 4/17 - 4/18.

Flyority 1

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

Flight Crew

No crew needed due to training