Date: 2021-04-16
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
AirCraft: N615AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 2~

Report Author: Abe Morrison
Lidar Operators: Abe Morrison
Spectrometer Operators: Cameron Chapman
Pilots: Vince Maarschalkerweerd, Mark Solper
Ground Crew: Elissa Barris, Mitch Haynes

Flight Hours: 00:00
Hours until maintenance: 79.78

Summary
Snow and clouds prevented any flights today. The crew continued to prep for the transit to D8.

Concerns
- None

Comments
- P3 is considering departing to D08 on Sunday given the snow/rain forecast on Monday.
- Pilot Stephen Brawders will replace Mark Solper on Saturday afternoon.
- All GPS systems have arrived at the hotel in D8. The vac pump is still in transit and should arrive Saturday or Monday.
<table>
<thead>
<tr>
<th>Domain Coverage</th>
<th>Coverage Details</th>
</tr>
</thead>
</table>
| **D00|B10E** (Riegl Boresight Calibration - 1600m, 1000m, 500m) | Flown: 100% (20/20)  
Green: 0% (0/20)  
Yellow: 100% (20/20)  
Red: 0% (0/20) |
| **D00|H10C** (NEON Headquarters Lidar Test - Riegl) | Flown: 100% (4/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 100% (4/4) |
| **D00|N10D** (Nominal Runway at KBDU - Riegl) | Flown: 86% (24/28)  
Green: 46% (13/28)  
Yellow: 0% (0/28)  
Red: 39% (11/28) |
| **D00|O10B** (NIS Offset - Riegl) | Flown: 0% (0/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 0% (0/2) |
| **D00|R10C** (Table Mountain Radiometric Calibration - Riegl) | Flown: 0% (0/5)  
Green: 0% (0/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5) |
| **D00|V10C** (Boulder City South) | Flown: 31% (9/29)  
Green: 0% (0/29)  
Yellow: 0% (0/29)  
Red: 31% (9/29) |
| **D00|W10C** (Wiggle Timing Test - Riegl) | Flown: 100% (2/2)  
Green: 100% (2/2)  
Yellow: 0% (0/2)  
Red: 0% (0/2) |
Weather Forecast

Boulder, CO

<table>
<thead>
<tr>
<th></th>
<th>Sat 4/17</th>
<th>Sun 4/18</th>
<th>Mon 4/19</th>
<th>Tue 4/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>45°</td>
<td>28°F</td>
<td>54°</td>
<td>35°F</td>
</tr>
<tr>
<td>Cond.</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Snow</td>
<td>8.4 in</td>
</tr>
</tbody>
</table>

Tuscaloosa, AL

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>68°</td>
<td>49°F</td>
<td>73°</td>
<td>48°F</td>
<td>75°</td>
<td>51°F</td>
<td>77°</td>
</tr>
<tr>
<td>Cond.</td>
<td>Cloudy</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for 17 April, 2021

Flyority 1
Collection Area: Table Mountain Radiometric Calibration – Boulder Airport
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
On-station Time: 1700 UTC / 1100 L
Additional Considerations: Ground should be dry.

Flyority 2
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
On-station Time: 1630 UTC / 1030 L
Crew: Mitch (Lidar), Elissa (NIS), Cam (Ground)
Flight Collection Plan for 18 April, 2021

Transit to D8

Or

Flyority 1
Collection Area: Table Mountain Radiometric Calibration – Boulder Airport
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
On-station Time: 1700 UTC / 1100 L
Additional Considerations: Ground should be dry.

Flyority 2
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
On-station Time: 1630 UTC / 1030 L