Date: 2021-04-15
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: 3~

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

Flight Hours: 00:00
Hours until maintenance: 0.00

Summary
Morning clouds and afternoon snow showers in Boulder today. No flights were conducted.

Concerns
- None

Comments
- P3 is considering departing to D08 on Sunday given the snow/rain forecast on Monday.
- P3 D08 transit crew reached out to D08 Domain manager for GPS Deployment coordination.
- Pilot Stephen Brawders will replace Mark Solper on Saturday afternoon.
- NSF logos will be applied to P3 by Twin Otter in the coming days.

Daily Coverage

<table>
<thead>
<tr>
<th>Estimated Cloud Cover Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green: 0-10%</td>
</tr>
</tbody>
</table>

Flight Screenshots
None:

Pictures
None:
## Cumulative Domain Coverage

<table>
<thead>
<tr>
<th>Domain</th>
<th>Description</th>
<th>Flown</th>
<th>Green</th>
<th>Yellow</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>D00</td>
<td>B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)</td>
<td>20/20</td>
<td>0%</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>D00</td>
<td>H10C (NEON Headquarters Lidar Test - Riegl)</td>
<td>4/4</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td>D00</td>
<td>N10D (Nominal Runway at KBDU - Riegl)</td>
<td>28/34</td>
<td>46%</td>
<td>0%</td>
<td>39%</td>
</tr>
<tr>
<td>D00</td>
<td>O10B (NIS Offset - Riegl)</td>
<td>2/2</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>D00</td>
<td>R10C (Table Mountain Radiometric Calibration - Riegl)</td>
<td>5/5</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>D00</td>
<td>V10C (Boulder City South)</td>
<td>29/34</td>
<td>31%</td>
<td>0%</td>
<td>31%</td>
</tr>
<tr>
<td>D00</td>
<td>W10C (Wiggle Timing Test - Riegl)</td>
<td>2/2</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
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</table>
Weather Forecast

Boulder, CO

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>39°/29°F</td>
<td>42°/29°F</td>
<td>53°/31°F</td>
<td>37°/21°F</td>
<td>42°/27°F</td>
<td>47°/32°F</td>
<td>52°/36°F</td>
</tr>
<tr>
<td>Snow</td>
<td>AM Clouds/PM Sun</td>
<td>Mostly Sunny</td>
<td>Snow Showers</td>
<td>Partly Cloudy</td>
<td>PM Showers</td>
<td>PM Showers</td>
</tr>
<tr>
<td>-- in</td>
<td>0 in</td>
<td>0 in</td>
<td>5.6 in</td>
<td>0 in</td>
<td>0.04 in</td>
<td>0.05 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Tuscaloosa, AL

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>71°/44°F</td>
<td>74°/50°F</td>
<td>75°/47°F</td>
<td>68°/43°F</td>
<td>74°/49°F</td>
<td>71°/57°F</td>
<td>74°/53°F</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>PM Showers</td>
<td>Showers</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.48 in</td>
<td>0.22 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 16 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: Abe (Lidar), Cam (NIS), Elissa (Ground), Mitch (Ground)

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)