Date: 2024-04-23
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: 3

Report Author: Abe
Lidar Operators: Abe
Spectrometer Operators: Mike
Pilots: Vince, Manning
Ground Crew: Matt

Flight Hours: 00:00
Hours until maintenance: 0.00

Summary
Clouds today around the flatirons would not have been ideal for the NIS offset flight, and the ongoing troubleshooting of the NIS chamber pressure sensor kept the crew on the ground. No flights were conducted.

Concerns
- The NIS chamber pressure sensor is giving false readings. The lab is troubleshooting the issue and should be able to resolve it by tomorrow.

Comments
- A tour was conducted for some remote sensing students from CU.

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

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<tr>
<th>1</th>
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<th>5</th>
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</tr>
</thead>
</table>
Flown: 100% (20/20)
Green: 0% (0/20)
Yellow: 100% (20/20)
Red: 0% (0/20)

D00|H10C (NEON Headquarters Lidar Test - Riegl)

<table>
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<tr>
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Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 100% (4/4)
Red: 0% (0/4)

D00|N10D (Nominal Runway at KBDU - Riegl)

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<thead>
<tr>
<th>1</th>
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<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
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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)

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

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

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

D00|R10D (Boulder Airport Radiometric Calibration)

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

D00|V10C (Boulder City South)

Flown: 28% (8/29)
Green: 14% (4/29)
Yellow: 0% (0/29)
Red: 14% (4/29)

D00|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>Day</th>
<th>Temperature</th>
<th>Weather</th>
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</thead>
<tbody>
<tr>
<td>Wed 4/24</td>
<td>73°</td>
<td>44°F</td>
</tr>
<tr>
<td>Thu 4/25</td>
<td>70°</td>
<td>49°F</td>
</tr>
<tr>
<td>Fri 4/26</td>
<td>67°</td>
<td>44°F</td>
</tr>
<tr>
<td>Sat 4/27</td>
<td>49°</td>
<td>39°F</td>
</tr>
<tr>
<td>Sun 4/28</td>
<td>56°</td>
<td>40°F</td>
</tr>
<tr>
<td>Mon 4/29</td>
<td>68°</td>
<td>44°F</td>
</tr>
<tr>
<td>Tue 4/30</td>
<td>75°</td>
<td>47°F</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 24 April 2024

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

John (Lidar)  Mike (NIS)  Matt, Abe (Ground)