Date: 2023-04-04
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N934MU

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 14

Report Author: Mike
Lidar Operators: Mike
Flight Hours: 00:00
Spectrometer Operators: Matt
Hours until maintenance: 122.73
Pilots: Cullen, Jeff
GPS Instruments: None
Ground Crew: John

Summary
Spring snow showers visited the area today and precluded flights from occurring.

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)

| 1 | 2 | 3 | 4 |
---|---|---|---|
Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 100% (4/4)
D00|N10D (Nominal Runway at KBDU - Riegl)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

D00|O10B (NIS Offset - Riegl)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
</tr>
</thead>
</table>

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

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>

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

D00|R10D (Boulder Airport Radiometric Calibration)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>

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

D00|W10C (Wiggle Timing Test - Riegl)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
</tr>
</thead>
</table>

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

Weather Forecast  
Boulder, CO

<table>
<thead>
<tr>
<th>Wed 4/5</th>
<th>Thu 4/6</th>
<th>Fri 4/7</th>
<th>Sat 4/8</th>
<th>Sun 4/9</th>
<th>Mon 4/10</th>
<th>Tue 4/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>41°</td>
<td>23°F</td>
<td>51°</td>
<td>30°F</td>
<td>64°</td>
<td>38°F</td>
<td>68°</td>
</tr>
<tr>
<td>Mostly Sunny</td>
<td>Sunny 0 in</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy 0 in</td>
<td>Partly Cloudy 0 in</td>
<td>Sunny 0 in</td>
<td>Partly Cloudy 0 in</td>
</tr>
</tbody>
</table>

Cloud Cover (%)  
Chance of Precip. (%)  

Source: wunderground.com
Flight Collection Plan for April 5, 2023

Flyority 1
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
45° On-station Time: 1700 UTC / 1100 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: 1530 UTC / 0930 L
Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3
Collection Area: Nominal Runway Survey Flight Plan
Name: D10_N10D_Nominal_Rnwy_v8_Q780
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet or snow covered.

Flyority 4
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), Cam/Matt (Ground)