Date: 2022-04-29
Flight Campaign ID: P1C1
Airport, FBO ID, City:  Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N331AR

Domain:  00 (Training & Calibration)
Sites Flown:  V10F (Boulder City Nominal Science Flight)
Days left in Domain:  2

Report Author:  Matt
Lidar Operators:  Matt
Spectrometer Operators:  John
Pilots:  Magnus, Justin

Flight Hours:  0.00
Hours until maintenance:  111.92
GPS Instruments:  N/A
Ground Crew:  Elissa

Summary

No flights due to high winds and rain showers around Boulder.

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
</tr>
</thead>
</table>

D00|V10F

<table>
<thead>
<tr>
<th>Line #</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lidar</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Spectrometer</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Camera</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cloud Cover</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
</tr>
</tbody>
</table>

Total number of lines flown: 5

Cumulative Domain Coverage

D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

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<tr>
<th>1</th>
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Flown: 100% (20/20)
Green: 100% (20/20)
Yellow: 0% (0/20)
Red: 0% (0/20)
D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 100% (4/4)
Red: 0% (0/4)

D00|N10F (Nominal Runway at KBDU - Galaxy)

Flown: 100% (37/37)
Green: 0% (0/37)
Yellow: 0% (0/37)
Red: 100% (37/37)

D00|O10C (NIS Offset - Galaxy)

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

D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

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

D00|W10D (Wiggle Timing Test - Galaxy)

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

Weather Forecast

- Sat 4/30: 68° | 37°F, Sunny, 0 in
- Sun 5/1: 63° | 41°F, Mostly Cloudy, 0.22 in
- Mon 5/2: 49° | 36°F, Rain, 0.1 in

source: wunderground.com
Flight Collection Plan for April 30th 2022
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml
35° On-station Time: 1520 UTC / 0920 L
Weather considerations: No clouds below aircraft and no clouds obscuring the sun.

**Flight Crew:** John (Lidar), Matt (NIS), Elissa (Ground)
**Optech Galaxy Recerts Remaining:** None