Date: 2021-05-28
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N615AR

Domain: 10 (Central Plains)
Sites Flown: None
Days left in Domain: 11

Report Author: Mitch Haynes
Lidar Operators: Mitch Haynes
Spectrometer Operators: Cameron Chapman
Pilots: Mark Solper, Stephen Brawders
Ground Crew: Matt Devoe

Flight Hours: 00:00
Hours until maintenance: 121.50

Summary
Overcast layer across the region this morning prevented flights at the start of the solar angle. As the layer eventually moved eastward opening up the sky, quickly building cumulus clouds filled in its place. No flights occurred.

Concerns
None

Comments
System will be shut down after any potential flights tomorrow.

Cumulative Domain Coverage

D10|ARIK (Arikaree River)

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Flown: 0% (0/35)
Green: 0% (0/35)
Yellow: 0% (0/35)
Red: 0% (0/35)

D10|CPER (Central Plains Ecological Range)

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Flown: 39% (11/28)
Green: 36% (10/28)
Yellow: 4% (1/28)
Red: 0% (0/28)

D10|STER (Sterling Agricultural Site)

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Flown: 0% (0/35)
Green: 0% (0/35)
Yellow: 0% (0/35)
Red: 0% (0/35)
Weather Forecast

<table>
<thead>
<tr>
<th>Day</th>
<th>Clouds</th>
<th>Chance of Precip.</th>
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</thead>
<tbody>
<tr>
<td>Sat 5/29</td>
<td>PM Thunderstorms</td>
<td>0.33 in</td>
</tr>
<tr>
<td>Sun 5/30</td>
<td>Thunderstorms</td>
<td>0.83 in</td>
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<tr>
<td>Mon 5/31</td>
<td>Showers</td>
<td>0.21 in</td>
</tr>
<tr>
<td>Tue 6/1</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Wed 6/2</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Thu 6/3</td>
<td>Mostly Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Fri 6/4</td>
<td>Mostly Sunny</td>
<td>0 in</td>
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</tbody>
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source: wunderground.com

Flight Collection Plan for 29 May 2021

Flyority 1
Collection Area: Central Plains Ecological Range (CPER)
Flight Plan Name: D10_CPER_C1_P1_v6_Q780
On-station Time: 1500 UTC / 0900 L

Flyority 2
Collection Area: Sterling Agricultural Site (STER)
Flight Plan Name: D10_STER_R1_P1_v3_Q780
On-station Time: 1450 UTC / 0850 L

Flyority 3
Collection Area: Arikaree River (ARIK)
Flight Plan Name: D10_ARIK_A1_P2_v3_Q780
On-station Time: 1510 UTC / 0910 L

Flyority 4
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
On-station Time: 1510 UTC / 0910 L

Flight Crew: Cam (Lidar), Mitch (NIS)