Date: 2023-07-27
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N934MU

Domain: 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau)
Sites Flown: None
Days left in Domain: 30

Report Author: Matt
Lidar Operators: Matt  Flight Hours: 00:00
Spectrometer Operators: John  Hours until maintenance: 93.62
Pilots: Justin, Will
Ground Crew: Nick

Summary
Cloud conditions throughout the sites prevented the flight crew from getting airborne.

Concerns
None

Comments
None

Cumulative Domain Coverage

D10|ARIK (Arikaree River)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
Flown: 0% (0/35)
Green: 0% (0/35)
Yellow: 0% (0/35)
Red: 0% (0/35)

D10|RMNP (Rocky Mountain National Park)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
Flown: 0% (0/39)
Green: 0% (0/39)
Yellow: 0% (0/39)
Red: 0% (0/39)

D13|NIWO (Niwot Ridge Mountain Research Station)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Flown: 4% (2/52)
Green: 0% (0/52)
Yellow: 4% (2/52)
Red: 0% (0/52)

D13 | WLOU (West St. Louis Creek)

<table>
<thead>
<tr>
<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>
</tr>
</thead>
</table>
Flown: 0% (0/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 0% (0/14)

**Weather Forecast**

**Nederland, CO (NIWO)**

<table>
<thead>
<tr>
<th></th>
<th>Fri 7/28</th>
<th>Sat 7/29</th>
<th>Sun 7/30</th>
<th>Mon 7/31</th>
<th>Tue 8/1</th>
<th>Wed 8/2</th>
<th>Thu 8/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>81°F</td>
<td>78°F</td>
<td>78°F</td>
<td>76°F</td>
<td>73°F</td>
<td>69°F</td>
<td>69°F</td>
</tr>
<tr>
<td>PM</td>
<td>57°F</td>
<td>57°F</td>
<td>58°F</td>
<td>56°F</td>
<td>55°F</td>
<td>53°F</td>
<td>52°F</td>
</tr>
<tr>
<td>Thunderstorms</td>
<td>0.02 in</td>
<td>0.02 in</td>
<td>0.07 in</td>
<td>0.16 in</td>
<td>0.24 in</td>
<td>0.48 in</td>
<td>0.25 in</td>
</tr>
</tbody>
</table>

**Allenspark, CO (RMNP)**

<table>
<thead>
<tr>
<th></th>
<th>Fri 7/28</th>
<th>Sat 7/29</th>
<th>Sun 7/30</th>
<th>Mon 7/31</th>
<th>Tue 8/1</th>
<th>Wed 8/2</th>
<th>Thu 8/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>78°F</td>
<td>77°F</td>
<td>77°F</td>
<td>75°F</td>
<td>72°F</td>
<td>67°F</td>
<td>67°F</td>
</tr>
<tr>
<td>PM</td>
<td>56°F</td>
<td>55°F</td>
<td>57°F</td>
<td>56°F</td>
<td>54°F</td>
<td>52°F</td>
<td>51°F</td>
</tr>
<tr>
<td>Thunderstorms</td>
<td>0.05 in</td>
<td>0.05 in</td>
<td>0.09 in</td>
<td>0.18 in</td>
<td>0.23 in</td>
<td>0.55 in</td>
<td>0.25 in</td>
</tr>
</tbody>
</table>
Fraser, CO (WLOU)

<table>
<thead>
<tr>
<th></th>
<th>Fri 7/28</th>
<th>Sat 7/29</th>
<th>Sun 7/30</th>
<th>Mon 7/31</th>
<th>Tue 8/1</th>
<th>Wed 8/2</th>
<th>Thu 8/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>80°</td>
<td>80°</td>
<td>79°</td>
<td>76°</td>
<td>73°</td>
<td>69°</td>
<td>70°</td>
</tr>
<tr>
<td>Cond</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
</tr>
<tr>
<td>Precip</td>
<td>0 in</td>
<td>0 in</td>
<td>0.08 in</td>
<td>0.21 in</td>
<td>0.23 in</td>
<td>0.37 in</td>
<td>0.1 in</td>
</tr>
</tbody>
</table>

Vernon, CO (ARIK)

<table>
<thead>
<tr>
<th></th>
<th>Fri 7/28</th>
<th>Sat 7/29</th>
<th>Sun 7/30</th>
<th>Mon 7/31</th>
<th>Tue 8/1</th>
<th>Wed 8/2</th>
<th>Thu 8/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>58°</td>
<td>91°</td>
<td>91°</td>
<td>95°</td>
<td>93°</td>
<td>91°</td>
<td>83°</td>
</tr>
<tr>
<td>Cond</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>PM</td>
<td>PM</td>
</tr>
<tr>
<td>Precip</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.03 in</td>
<td>0.21 in</td>
<td>0.21 in</td>
<td>0.12 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for July 28th 2023

**Flyority 1**
Collection Area: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v5_Q780
On-Station Time: 15:40 UTC / 09:40 L

**Flyority 2**
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v2_Q780
On-Station Time: 15:40 UTC / 09:40 L

**Flyority 3**
Collection Area: West St. Louis Creek (WLOU)
Flight Plan Name: D13_WLOU_A1_P1_Q780
On-Station Time: 15:40 UTC / 09:40 L

**Flyority 4**
Collection Area: Arikaree River (ARIK)
Flight Plan Name: D10_ARIK_A1_P2_v3_Q780
On-Station Time: 15:30 UTC / 09:30 L

**Crew:** Nick (Lidar), Matt (NIS), John (Ground)