Payload 3 Daily Flight Report

Date: 2023-08-12
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: 14

Report Author: Nick
Lidar Operators: Nick
Flight Hours: 00:00
Spectrometer Operators: Matt
Hours until maintenance: 0.00
Pilots: Justin, Jon
Ground Crew: Mitch

Summary
A weather front covered Colorado state in overcast clouds. No flights were attempted.

Concerns
None.

Comments
Cam and Will rotated in today. Welcome back to P3!

Pictures

GOES East imagery of Colorado today.
## Cumulative Domain Coverage

### D10|RMNP (Rocky Mountain National Park)

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<tr>
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<tbody>
<tr>
<td>21</td>
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</tbody>
</table>

Flown: 59% (23/39)
Green: 36% (14/39)
Yellow: 21% (8/39)
Red: 3% (1/39)

### 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 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

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

### D13|WLOU (West St. Louis Creek)

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<th>12</th>
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<th>14</th>
</tr>
</thead>
</table>

Flown: 0% (0/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 0% (0/14)

### D10|ARIK (Arikaree River)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

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

## Weather Forecast

### Nederland, CO (NIWO)

<table>
<thead>
<tr>
<th>Sun 8/13</th>
<th>Mon 8/14</th>
<th>Tue 8/15</th>
<th>Wed 8/16</th>
<th>Thu 8/17</th>
<th>Fri 8/18</th>
<th>Sat 8/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>61°</td>
<td>66°F</td>
<td>55°</td>
<td>62°F</td>
<td>54°</td>
<td>55°</td>
<td>55°F</td>
</tr>
<tr>
<td><strong>Weather</strong></td>
<td><strong>Forecast</strong></td>
<td><strong>Weather</strong></td>
<td><strong>Forecast</strong></td>
<td><strong>Weather</strong></td>
<td><strong>Forecast</strong></td>
<td><strong>Weather</strong></td>
</tr>
<tr>
<td>Scattered</td>
<td>Mostly Sunny</td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
</tr>
<tr>
<td>Thunderstorms</td>
<td>0.08 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.06 in</td>
<td>0.02 in</td>
<td>0.17 in</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 13th August 2023

Flyority 1
Collection Area: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v5_Q780
On-Station Time: 15:50 UTC / 09:50 L

Flyority 2
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v2_Q780
On-Station Time: 15:50 UTC / 09:50 L

Flyority 3
Collection Area: West St. Louis Creek (WLOU)
Flight Plan Name: D13_WLOU_A1_P1_ Q780
On-Station Time: 15:50 UTC / 09:50 L

Flyorsty 4
Collection Area: Arikaree River (ARIK)
Flight Plan Name: D10_ARIK_A1_P2_v3_ Q780
On-Station Time: 15:40 UTC / 09:40 L

Crew: Mitch (Lidar), Matt (NIS), Cam (Ground)