**Payload 3 Daily Flight Report**

**Date:** 2023-08-08  
**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:** 18

**Report Author:** Matt  
**Lidar Operators:** Matt  
**Flight Hours:** 00:00  
**Spectrometer Operators:** Mitch  
**Hours until maintenance:** 91.93  
**Pilots:** Justin, Jon

**Summary**
Cloudy conditions throughout the area prevented flights.

**Concerns**
None.

**Comments**
None.

**Cumulative Domain Coverage**

<table>
<thead>
<tr>
<th>Domain</th>
<th>Dates</th>
<th>Flown</th>
<th>Green</th>
<th>Yellow</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>D10</td>
<td>ARIK (Arikaree River)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 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)
| 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 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | Flown: 18% (7/39)  
Green: 13% (5/39)  
Yellow: 5% (2/39)  
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 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | Flown: 0% (0/52)  
Green: 0% (0/52)  
Yellow: 0% (0/52)  
Red: 0% (0/52)
## Weather Forecast

### Nederland, CO (NIWO)

<table>
<thead>
<tr>
<th></th>
<th>Wed 8/9</th>
<th>Thu 8/10</th>
<th>Fri 8/11</th>
<th>Sat 8/12</th>
<th>Sun 8/13</th>
<th>Mon 8/14</th>
<th>Tue 8/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>71°F</td>
<td>72°F</td>
<td>72°F</td>
<td>71°F</td>
<td>69°F</td>
<td>70°F</td>
<td>74°F</td>
</tr>
<tr>
<td>Weather</td>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>PM</td>
<td>PM</td>
<td>Isolated</td>
<td>Cloudy</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>Precipitation</td>
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<td>0 in</td>
<td>0.02 in</td>
<td>0.05 in</td>
<td>0.03 in</td>
<td>0.17 in</td>
<td>0 in</td>
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</table>

### Allenspark, CO (RMNP)

<table>
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<tr>
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<td>71°F</td>
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<td>PM</td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
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</tr>
<tr>
<td>Precipitation</td>
<td>0 in</td>
<td>0 in</td>
<td>0.06 in</td>
<td>0.06 in</td>
<td>0.07 in</td>
<td>0.19 in</td>
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### Fraser, CO (WLOU)

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<th>Wed 8/9</th>
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<td>PM</td>
<td>PM</td>
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</tr>
<tr>
<td>Precipitation</td>
<td>0 in</td>
<td>0 in</td>
<td>0.02 in</td>
<td>0 in</td>
<td>0.03 in</td>
<td>0.09 in</td>
<td>0 in</td>
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Flight Collection Plan for August 9th 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), Mitch (Ground)