Payload 3 Daily Flight Report

Date: 2023-07-31
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N934MU

Domain: 10 (Central Plains)
Sites Flown: None
Days left in Domain: 26

Report Author: Nick
Lidar Operators: Nick
Flight Hours: 00:00
Spectrometer Operators: Matt
Hours until maintenance: 92.32
Pilots: Justin, Shane
Ground Crew: John

Summary
Clouds again were throughout the collection area and kept the crew from collecting data. No flights were attempted.

Concerns
None.

Comments
Will rotated out, thanks for all the great work. Shane rotated in, welcome.

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 |
| 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)

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

D13 | WLOU (West St. Louis Creek)

|     | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|     | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 |

- 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>Tue 8/1</th>
<th>Wed 8/2</th>
<th>Thu 8/3</th>
<th>Fri 8/4</th>
<th>Sat 8/5</th>
<th>Sun 8/6</th>
<th>Mon 8/7</th>
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</thead>
<tbody>
<tr>
<td>73°</td>
<td>55°F</td>
<td>68°</td>
<td>54°F</td>
<td>74°</td>
<td>54°F</td>
<td>72°</td>
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- PM Thunderstorms
- 5 AM 24 in
- 0.27 in
- 0.05 in
- 0.09 in
- 0.18 in
- 0.28 in
- 0.22 in

**Allenspark, CO (RMNP)**

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- PM Thunderstorms
- 0.23 in
- 0.37 in
- 0 in
- 0.04 in
- 0.17 in
- 0.24 in
- 0.11 in
Flight Collection Plan for August 1st 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: John (Lidar), Nick (NIS), Matt (Ground)