Payload 1 Daily Flight Report

Date: 2024-08-13
Flight Campaign ID: P1C1
Airport, FBO ID, City: Nashua Airport at Boire Field (KASH) - Nashua, NH
Aircraft: N615AR

Domain: 01 (Northeast)
Sites Flown: None
Days left in Domain: 25

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Cameron
Pilots: Justin, Jacob

Flight Hours: 00:00
Hours until maintenance: 67.53

Summary
We mobilized to the plane this morning hoping to fly, but a cirrostratus layer soon spread over our sites. By the time solar angle hit small cumulus clouds had also begun forming.

Concerns
None.

Comments
None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
</tr>
</thead>
</table>

Solar Angle Less Than 40 degrees

<table>
<thead>
<tr>
<th>Line #</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>22</td>
</tr>
</tbody>
</table>

Flown: 0% (0/35)
Green: 0% (0/35)
Yellow: 0% (0/35)
Red: 0% (0/35)
### D01|HARV_P1 (Harvard Forest Priority 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 |

- **Flown:** 0% (0/28)
- **Green:** 0% (0/28)
- **Yellow:** 0% (0/28)
- **Red:** 0% (0/28)

### D01|HARV_P2 (Harvard Forest Priority 2)

<table>
<thead>
<tr>
<th>31</th>
<th>32</th>
<th>33</th>
<th>34</th>
<th>35</th>
<th>36</th>
<th>37</th>
</tr>
</thead>
</table>

- **Flown:** 0% (0/7)
- **Green:** 0% (0/7)
- **Yellow:** 0% (0/7)
- **Red:** 0% (0/7)

### D01|HOPB (Hop Brook)

<table>
<thead>
<tr>
<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>
</tr>
</thead>
</table>

- **Flown:** 0% (0/9)
- **Green:** 0% (0/9)
- **Yellow:** 0% (0/9)
- **Red:** 0% (0/9)

### D01|N01A (D01 Nominal Runway )

<table>
<thead>
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</thead>
</table>

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

### Weather Forecast

**Petersham, MA (HARV)**

**June 14 to June 20:**
- **Wed 8/14:** Mostly Sunny, 81°F | 59°F
- **Thu 8/15:** PM, 79°F | 58°F
- **Fri 8/16:** Partly Cloudy, 81°F | 62°F
- **Sat 8/17:** Showers, 75°F | 64°F
- **Sun 8/18:** Light Rain, 75°F | 64°F
- **Mon 8/19:** Thunderstorms, 76°F | 62°F
- **Tue 8/20:** Scattered Thunderstorms, 78°F | 59°F

**Precipitation:**
- **0 in**
- **0.15 in**
- **0 in**
- **0.24 in**
- **0.37 in**
- **0.27 in**
- **0.06 in**
Flight Collection Plan for 14 August 2024

Flyority 1:
Collection Area: Harvard Forest – Priority 1 (HARV_P1)
Flight Plan Name: D01_HARV_C1_P1__P2_v4_PRM.xml
On-station Time: 1340 UTC / 0940 L

Flyority 2:
Collection Area: Bartlett Experimental Forest (BART)
Flight Plan Name: D01_BART_R1_P1_v2_PRM.xml
On-station Time: 1340 UTC / 0940 L

Flyority 3:
Collection Area: Hop Brook (HOPB)
Flight Plan Name: D01_HOPB_A1_P1_v2_PRM.xml
On-station Time: 1340 UTC / 0940 L
Flyority 4:
Collection Area: Harvard Forest – Priority 2 (HARV_P2)
Flight Plan Name: D01_HARV_C1_P1__P2_v4_PRM.xml
On-station Time: 1340 UTC / 0940 L

Flyority 5:
Collection Area: Nominal Runway – D01
Flight Plan Name: D01_N01A_Nominal_Runway_Test_v2_PRM.xml
On-station Time: NA

Crew: Cameron (Lidar), Elissa (NIS)