Payload 1 Daily Flight Report

Date: 2024-08-11
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: 29

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

Flight Hours: 00:00
Hours until maintenance: 67.53

Summary
Despite improving weather, clouds remained present over our sites today. No flights were conducted.

Concerns
None.

Comments
Mitch leaves the crew today – thanks for the hard work Mitch!

Cumulative Domain Coverage

Estimated Cloud Cover Key

| Green: 0-10% | Yellow: 11-50% | Red: >50% |

Solar Angle Less Than 40 degrees

<table>
<thead>
<tr>
<th>Line #</th>
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<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)

| 31 | 32 | 33 | 34 | 35 | 36 | 37 |

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

D01|HOPB (Hop Brook)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

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

D01|N01A (D01 Nominal Runway)

| 1 | 2 |

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

Weather Forecast
Petersham, MA (HARV)

<table>
<thead>
<tr>
<th>Mon 8/12</th>
<th>Tue 8/13</th>
<th>Wed 8/14</th>
<th>Thu 8/15</th>
<th>Fri 8/16</th>
<th>Sat 8/17</th>
<th>Sun 8/18</th>
</tr>
</thead>
<tbody>
<tr>
<td>71°</td>
<td>53°F</td>
<td>78°</td>
<td>57°F</td>
<td>80°</td>
<td>58°F</td>
<td>80°</td>
</tr>
</tbody>
</table>

- PM Showers
- Mostly Sunny
- Mostly Sunny
- Partly Cloudy
- Mostly Sunny
- Partly Cloudy
- Showers

- 0.05 in
- 0 in
- 0 in
- 0 in
- 0 in
- 0.07 in
- 0.22 in
Flight Collection Plan for 12 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)