Payload 1 Daily Flight Report

Date: 2024-08-09
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: Mitch
Lidar Operators: Mitch
Flight Hours: 00:00
Spectrometer Operators: Cameron
Hours until maintenance: 67.53
Pilots: Justin, Jeff

Summary
Low clouds and intermittent rain throughout solar angle, increasing to heavy rain in the evening. No flights were conducted.

Concerns
None

Comments
Elissa arrived in Nashua late this evening.

Cumulative Domain Coverage
D01|BART (Bartlett Experimental Forest)

| 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 |

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)

<table>
<thead>
<tr>
<th></th>
<th>Flown: 0% (0/9)</th>
<th>Green: 0% (0/9)</th>
<th>Yellow: 0% (0/9)</th>
<th>Red: 0% (0/9)</th>
</tr>
</thead>
</table>

D01 N01A (D01 Nominal Runway)

<table>
<thead>
<tr>
<th></th>
<th>Flown: 0% (0/2)</th>
<th>Green: 0% (0/2)</th>
<th>Yellow: 0% (0/2)</th>
<th>Red: 0% (0/2)</th>
</tr>
</thead>
</table>

Weather Forecast
Petersham, MA (HARV)

<table>
<thead>
<tr>
<th></th>
<th>Sat 8/10</th>
<th>Sun 8/11</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>81°</td>
<td>78°</td>
<td>72°</td>
<td>79°</td>
<td>80°</td>
<td>79°</td>
<td>79°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>56°F</td>
<td>56°F</td>
<td>55°F</td>
<td>58°F</td>
<td>59°F</td>
<td>61°F</td>
</tr>
<tr>
<td></td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Isolated Thunderstorms</td>
<td>PM Showers</td>
</tr>
<tr>
<td>Rain</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.02 in</td>
<td>0.06 in</td>
</tr>
</tbody>
</table>

Bartlett, NH (BART)

<table>
<thead>
<tr>
<th></th>
<th>Sat 8/10</th>
<th>Sun 8/11</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>82°</td>
<td>77°</td>
<td>71°</td>
<td>78°</td>
<td>79°</td>
<td>77°</td>
<td>78°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>58°F</td>
<td>58°F</td>
<td>58°F</td>
<td>60°F</td>
<td>60°F</td>
<td>62°F</td>
</tr>
<tr>
<td></td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Scattered Thunderstorms</td>
<td>PM</td>
</tr>
<tr>
<td>Rain</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.08 in</td>
<td>0.05 in</td>
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Flight Collection Plan for 10 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), Mitch (NIS), Elissa (Ground)