Payload 1 Daily Flight Report

Date: 2024-08-15
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: 23

Report Author: Elissa
Lidar Operators: Elissa
Flight Hours: 00:00
Spectrometer Operators: Cameron
Hours until maintenance: 65.88
Pilots: Justin, Jacob

Summary
Despite a promising gap over Massachusetts this morning in the satellite imagery, thick smoke and small cumulus clouds were apparent in the tower camera, preventing green conditions. The afternoon then brought intense thunderstorms. No flights were attempted.

Concerns
None.

Comments
None.

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>
</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)

<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>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: 100% (7/7)
Green: 0% (0/7)
Yellow: 100% (7/7)
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: 100% (2/2)
Green: 0% (0/2)
Yellow: 100% (2/2)
Red: 0% (0/2)

Weather Forecast

Petersham, MA (HARV)

<table>
<thead>
<tr>
<th>Fri 8/16</th>
<th>Sat 8/17</th>
<th>Sun 8/18</th>
<th>Mon 8/19</th>
<th>Tue 8/20</th>
<th>Wed 8/21</th>
<th>Thu 8/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>81°</td>
<td>62°F</td>
<td>80°</td>
<td>63°F</td>
<td>76°</td>
<td>62°F</td>
<td>73°</td>
</tr>
</tbody>
</table>

PM Showers | Partly Cloudy | Cloudy | Thunderstorms | AM Showers | Mostly Sunny | Mostly Sunny |

Rainfall: 0.06 in | 0 in | 0.13 in | 0.87 in | 0.02 in | 0 In | 0 In |
Flight Collection Plan for 15 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: 1350 UTC / 0950 L

Flyority 2:
Collection Area: Bartlett Experimental Forest (BART)
Flight Plan Name: D01_BART_R1_P1_v2_PRM.xml
On-station Time: 1350 UTC / 0950 L

Flyority 3:
Collection Area: Hop Brook (HOPB)
Flight Plan Name: D01_HOPB_A1_P1_v2_PRM.xml
On-station Time: 1350 UTC / 0950 L
Flyority 4: (if green)
Collection Area: Harvard Forest – Priority 2 (HARV_P2)
Flight Plan Name: D01_HARV_C1_P1__P2_v4_PRM.xml
On-station Time: 1350 UTC / 0950 L

Crew: Cameron (Lidar), Elissa (NIS)