Payload 1 Daily Flight Report

Date: 2024-08-06
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: 32

Report Author: Cameron
Lidar Operators: Cameron   Flight Hours: 00:00
Spectrometer Operators: Mitch   Hours until maintenance: 67.53
Pilots: Will, Jeff

Summary
Adverse weather conditions, specifically persistent rain commencing in the early morning hours and lasting through the day, kept the aircraft grounded. As a result, no data collection flights were executed.

Concerns
- We will continue to monitor the NIS chamber pressure.

Comments
- None

Daily Coverage
Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

| Line # |

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

<table>
<thead>
<tr>
<th>D01</th>
<th>BART (Bartlett Experimental Forest)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flown: 0% (0/35)</td>
<td></td>
</tr>
<tr>
<td>Green: 0% (0/35)</td>
<td></td>
</tr>
<tr>
<td>Yellow: 0% (0/35)</td>
<td></td>
</tr>
<tr>
<td>Red: 0% (0/35)</td>
<td></td>
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</tbody>
</table>
Weather Forecast
Petersham, MA (HARV)

<table>
<thead>
<tr>
<th></th>
<th>Wed 8/7</th>
<th>Thu 8/8</th>
<th>Fri 8/9</th>
<th>Sat 8/10</th>
<th>Sun 8/11</th>
<th>Mon 8/12</th>
<th>Tue 8/13</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>71°F</td>
<td>73°F</td>
<td>74°F</td>
<td>78°F</td>
<td>78°F</td>
<td>75°F</td>
<td>75°F</td>
</tr>
<tr>
<td>PM</td>
<td>55°F</td>
<td>61°F</td>
<td>69°F</td>
<td>59°F</td>
<td>57°F</td>
<td>58°F</td>
<td>58°F</td>
</tr>
<tr>
<td>Showers</td>
<td>AM: 0.04 in</td>
<td>PM: 0.21 in</td>
<td>Rain: 1.13 in</td>
<td>Rain: 0.83 in</td>
<td>Partly Cloudy: 0 in</td>
<td>Mostly Sunny: 0 in</td>
<td>Mostly Sunny: 0 in</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 06 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: Mitch (Lidar), Cam (NIS)