Payload 3 Daily Flight Report

Date: 2022-08-05
Flight Campaign ID: P3C1
Airport, FBO ID, City: Nashua Airport (KASH) - Nashua, NH
Aircraft: N70AR

Domain: 01 (Northeast)
Sites Flown: None.
Days left in Domain: 21

Report Author: John
Lidar Operators: John
Flight Hours: 0.0
Spectrometer Operators: Mitch
Hours until maintenance: 76.02
Pilots: Justin, Magnus
GPS Instruments: n/a

Summary
Cloudy skies and periodic rain precluded us from flying today.

Concerns
None

Comments
None

Cumulative Domain Coverage

**D01|BART (Bartlett Experimental Forest)**

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<td>36</td>
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Flown: 0% (0/36)
Green: 0% (0/36)
Yellow: 0% (0/36)
Red: 0% (0/36)

**D01|HARV_P1 (Harvard Forest Priority 1)**

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Flown: 79% (23/29)
Green: 79% (23/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

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

| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |

Flown: 0% (0/8)
Green: 0% (0/8)
Yellow: 0% (0/8)
Red: 0% (0/8)
D01|HOPB (Hop Brook)

Flown: 0% (0/10)
Green: 0% (0/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

D01|R01A (FLARE Radiometric Calibration Flight Plan - New Hampshire)

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>Sat 8/8</th>
<th>Sun 8/7</th>
<th>Mon 8/8</th>
<th>Tue 8/9</th>
<th>Wed 8/10</th>
<th>Thu 8/11</th>
<th>Fri 8/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM 87°</td>
<td>PM 88°</td>
<td>85°</td>
<td>82°</td>
<td>77°</td>
<td>78°</td>
<td>76°</td>
</tr>
<tr>
<td>Scattered</td>
<td>Scattered</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
</tr>
<tr>
<td>0.03 in</td>
<td>0.08 in</td>
<td>0.24 in</td>
<td>0.44 in</td>
<td>0.52 in</td>
<td>0.23 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Bartlett, NH (BART)

<table>
<thead>
<tr>
<th>Sat 8/8</th>
<th>Sun 8/7</th>
<th>Mon 8/8</th>
<th>Tue 8/9</th>
<th>Wed 8/10</th>
<th>Thu 8/11</th>
<th>Fri 8/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Party Cloudy</td>
<td>Mostly Sunny</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
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<tr>
<td>0 in</td>
<td>0.02 in</td>
<td>0.52 in</td>
<td>0.34 in</td>
<td>0.26 in</td>
<td>0.11 in</td>
<td>0 in</td>
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</tbody>
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source: wunderground.com
Flight Collection Plan for 06 August 2022

Flyority 1:
Collection Area: Harvard Forest – Priority 1 (HARV_P1)
Flight Plan Name: D01_HARV_C1_P1_v3_Q780
On-station Time: 1330 UTC / 0930 L

Flyority 2:
Collection Area: Bartlett Experimental Forest (BART)
Flight Plan Name: D01_BART_R1_P1_v1_Q780
On-station Time: 1330 UTC / 0930 L

Flyority 3:
Collection Area: Hop Brook (HOPB)
Flight Plan Name: D01_HOPB_A1_P1_v1_Q780
On-station Time: 1330 UTC / 0930 L

Flyority 4:
Collection Area: Harvard Forest – Priority 2 (HARV_P2)
Flight Plan Name: D01_HARV_C1_P2_v3_Q780
On-station Time: 1330 UTC / 0930 L

Flyority 5:
Collection Area: FLARE Radiometric Calibration Flight Plan – New Hampshire
Flight Plan Name: D01_R01A_FLARE_1000m_v2_Q780
On-station Time: 1330 UTC / 0930 L

Crew: Mitch (lidar), John (NIS)