August 30, 2018 Payload 2 Daily Flight Report

Date: 2018-08-30
Flight Campaign ID: 2018_P2C1
Airport, FBO ID, City: Nashua Airport (KASH) - Nashua, NH

Domain: 01
Sites Flown: None
Days left in Domain: 14

Report Author: Michael Wussow
Flight Crew: Michael Wussow, John Adler
Ground/GPS: None
Pilots: Dylan Malfatti, Gina Moore
Additional Personnel: None
GPS Instruments: 05 -FBO_KASH, 07 – HARV, 06 – BART

Flight Hours: 00:00
Hours until maintenance: 125.00

Summary
Rain in the middle of the day, low cumulus, and high cirrus deterred the flight crew from executing flights today. A trip was made to HARV to try to troubleshoot GPS-07 modem issues and to meet with other members of the NEON UAV team.

Concerns
-GPS-07 modem is not able to connect to network which is possibly due to poor cell coverage, or needs a hard reset, which will be the next step. High capacity solar panel and battery are holding up well.

Comments
-Extraction of flight 2018082813 completed although the QA did not run successfully for the nominal runway due to a known issue with the area of the one line equaling zero.
-Michael Wussow and John Adler will be assisting Dave Durden and Josh Roberti with multi-spectral imaging drone missions at Harvard Forest when possible.
-Abe Morrison arrives in New Hampshire tonight

Flight Screenshots
None

Pictures
None

Daily Coverage
None

Cumulative Domain Coverage

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

Flown: 0% (0/36)
Green: 0% (0/36)
Yellow: 0% (0/36)
Red: 0% (0/36)
HARV_P1

<table>
<thead>
<tr>
<th>1</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<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>
</tr>
</tbody>
</table>

- Flown: 0% (0/29)
- Green: 0% (0/29)
- Yellow: 0% (0/29)
- Red: 0% (0/29)

HARV_P3

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
</table>

- Flown: 100% (8/8)
- Green: 0% (0/8)
- Yellow: 0% (0/8)
- Red: 100% (8/8)

N01A

<table>
<thead>
<tr>
<th>1</th>
</tr>
</thead>
</table>

- Flown: 100% (1/1)
- Green: 0% (0/1)
- Yellow: 0% (0/1)
- Red: 100% (1/1)

Weather Forecast

Nashua, NH (FBO)

<table>
<thead>
<tr>
<th>Fri 8/31</th>
<th>Sat 9/1</th>
<th>Sun 9/2</th>
<th>Mon 9/3</th>
<th>Tue 9/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>74°</td>
<td>58° F</td>
<td>78°</td>
<td>61° F</td>
<td>86°</td>
</tr>
<tr>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 31 August 2018

Flyority 1:
Collection Area: Harvard Forest – Priority 1 (HARV_P1)
Flight Plan Name: D01_HARV_C1_P1_v1.pln
On-station Time: 1400 UTC / 1000 L

Flyority 2:
Collection Area: Bartlett Experimental Forest (BART)
Flight Plan Name: D01_BART_R1_P1_v1.pln
On-station Time: 1410 UTC / 1010 L

Flyority 3:
Collection Area: Harvard Forest – Priority 1 (HARV_P3)
Flight Plan Name: D01_HARV_C1_P3_v1.pln
On-station Time: 1400 UTC / 1000 L

*Only if green conditions exist

Crew: John Adler (Lidar), Abe Morrison (NIS), Michael Wussow (Ground)