Date: 2018-09-03  
Flight Campaign ID: 2018_P2C1  
Airport, FBO ID, City: Nashua Airport (KASH) - Nashua, NH  

Domain: 01  
Sites Flown: HARV_P1 (Harvard Forest Priority 1)  
Days left in Domain: 10  

Report Author: Abe Morrison  
Flight Crew: Abe Morrison, John Adler  
Flight Hours: 01:41  
Ground/GPS: Michael Wussow  
Hours until maintenance: 119.80  
Pilots: Gina Moore, Mike Francis  
Additional Personnel: None  
GPS Instruments: 05 - FBO-KBDU, 06 – BART, 07-HARV  

Summary  
The flight crew took to the sky today and started a collection at HARV just to be thwarted by building cumulus clouds. 4 lines and an ad hoc cross strip were flown. The plan cross strip was covered in clouds.  

Concerns  
None  

Comments  
--John Adler will depart today, and Mitch Haynes will replace him on Wednesday  
--Eye safety shutoffs happened on lines 21 and 22 due to clouds, and should be reflown if time permits.  
--NEON UAV team flew one flight each with the M600 and the M210 drones. They also flew the Phantom drone using the drone deploy system.  

Flight Screenshots
### Daily Coverage

<table>
<thead>
<tr>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
<th>Camera</th>
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Flown: 5

### Cumulative Domain Coverage

**BART**

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

**HARV_P1**

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Flown: 72% (21/29)
Green: 0% (0/29)
Yellow: 10% (3/29)
Red: 66% (19/29)

**HARV_P3**

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

**N01A**

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

### Weather Forecast

**Nashua, NH**

- **Tuesday, 9/4:** Partly Cloudy
- **Wednesday, 9/5:** Partly Cloudy
- **Thursday, 9/6:** AM Showers
- **Friday, 9/7:** Partly Cloudy
- **Saturday, 9/8:** Showers
- **Sunday, 9/9:** Partly Cloudy
- **Monday, 9/10:** Cloudy

- **Temperature:**
  - Morning: 65°F - 72°F
  - Afternoon: 80°F - 85°F
- **Precipitation:**
  - 0.65 in.
  - 0.40 in.
  - 0.02 in.
  - 0.01 in.

- **Cloud Cover:**
  - 80% Cloud Cover

- **Chance of Precip.:**
  - 20% Chance of Precip.
Flight Collection Plan for 04 Sept 2018

Flyority 1:
Collection Area: Harvard Forest – Priority 1 (HARV_P1)
Flight Plan Name: D01_HARV_C1_P1_v1.pln
On-station Time: 1410 UTC / 1010 L
Lines 18-20 and 25-26, unless green conditions
***Lines 21 and 22 should be reflown if time permits

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 2 (HARV_P3)
Flight Plan Name: D01_HARV_C1_P3_v1.pln
On-station Time: 1410 UTC / 1010 L
*Only if green conditions exist

Crew: Michael Wussow (Lidar), Abe Morrison (NIS), None (Ground)