



## September 3, 2018 Payload 2 Daily Flight Report



**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

**Ground/GPS:** Michael Wussow

**Pilots:** Gina Moore, Mike Francis

**Additional Personnel:** None

**GPS Instruments:** 05 - FBO-KBDU, 06 – BART, 07-HARV

**Flight Hours:** 01:41

**Hours until maintenance:** 119.80

### 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

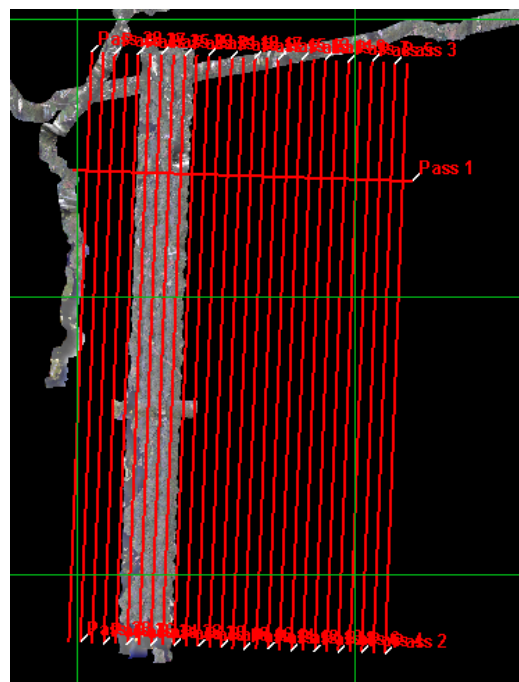
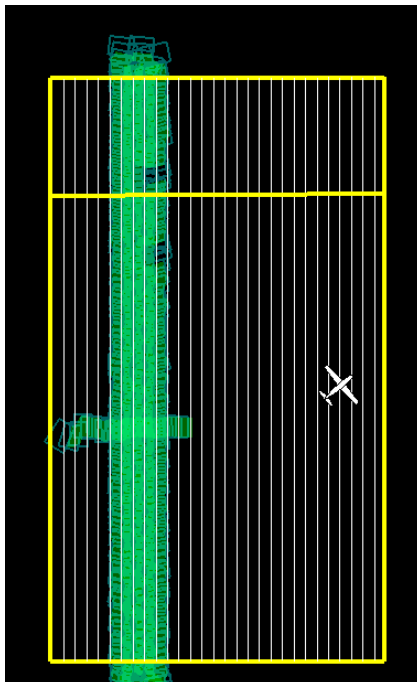
### Comments

--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

D01   HARV_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
Flown:	5							

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

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											

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

HARV\_P3

1	2	3	4	5	6	7	8
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Flown: 100% (8/8)  
Green: 0% (0/8)  
Yellow: 0% (0/8)  
Red: 100% (8/8)

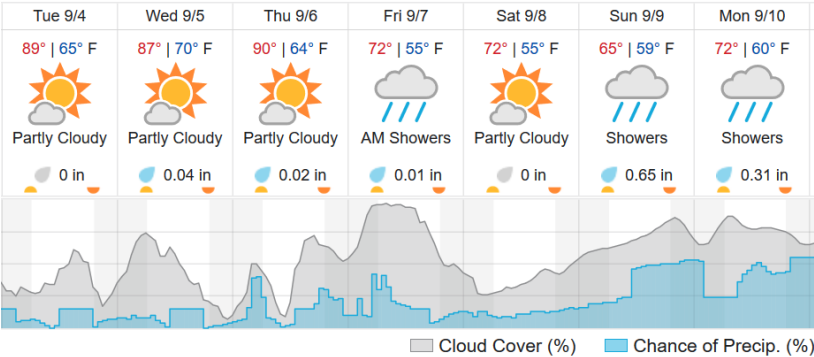
N01A

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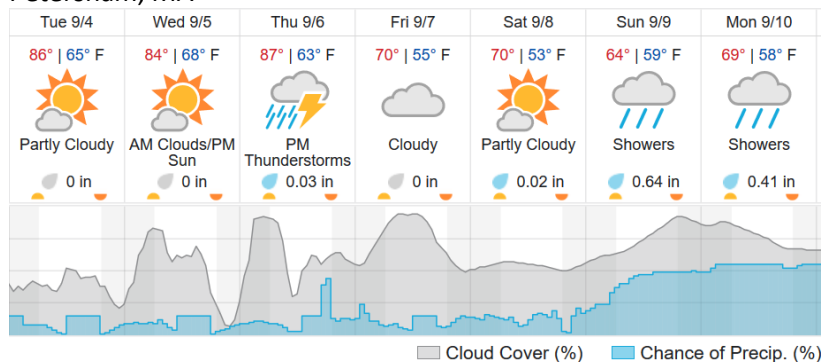
Flown: 100% (1/1)  
Green: 0% (0/1)  
Yellow: 0% (0/1)  
Red: 100% (1/1)

Weather Forecast

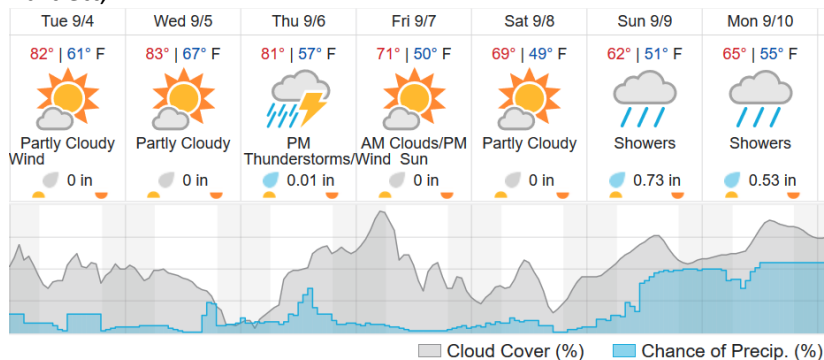
Nashua, NH



## Petersham, MA



## Bartlett, NH



## 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 reflight 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)