



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

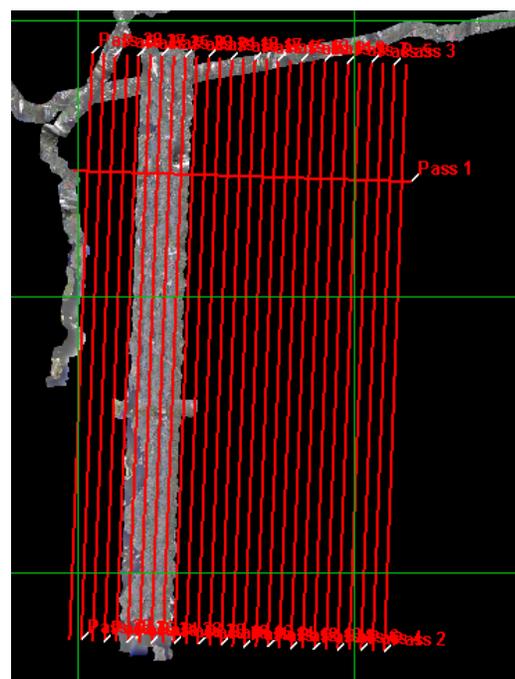
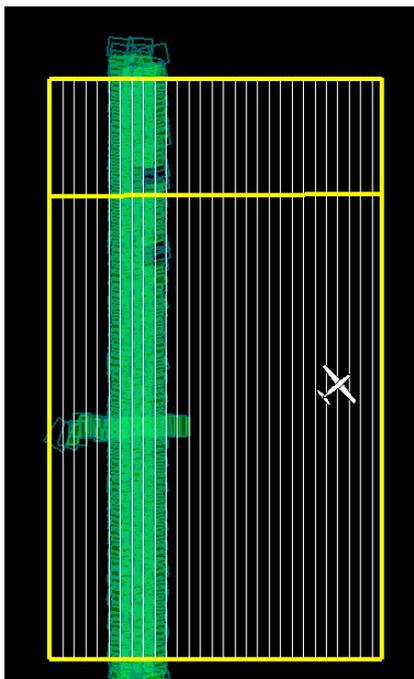
Comments

--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

1

Flown: 100% (1/1)

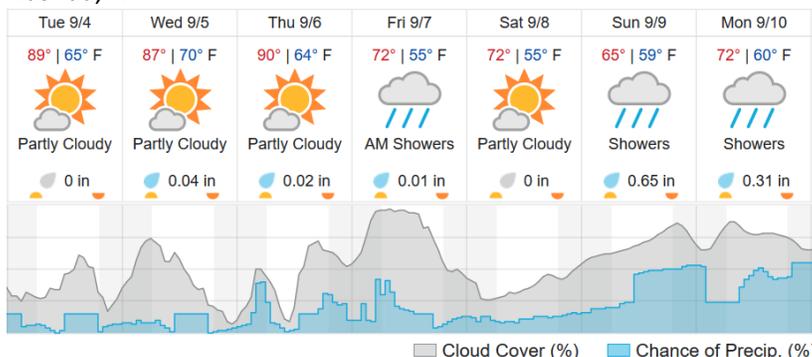
Green: 0% (0/1)

Yellow: 0% (0/1)

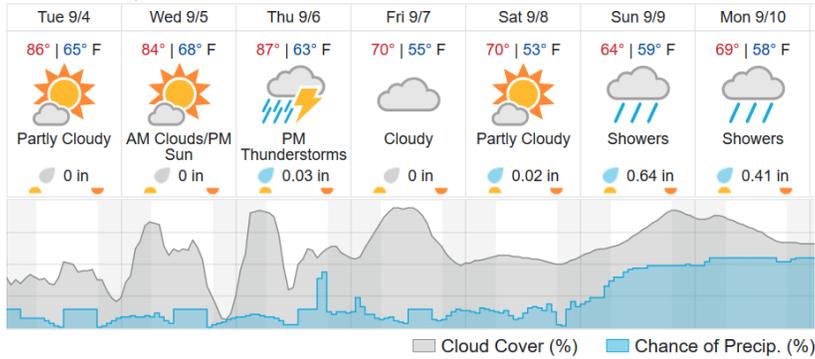
Red: 100% (1/1)

Weather Forecast

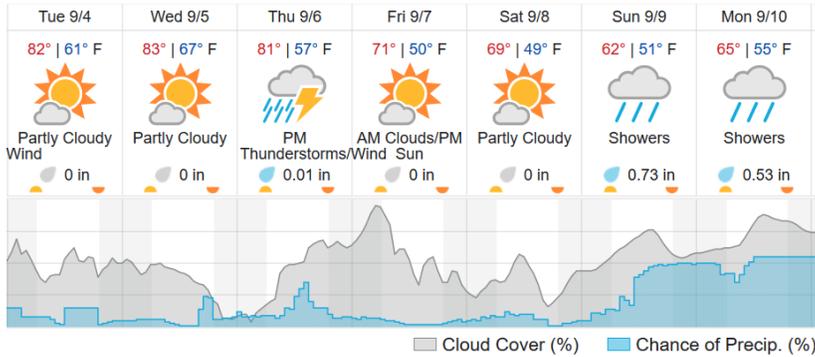
Nashua, NH



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)