



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

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

HARV_P3

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

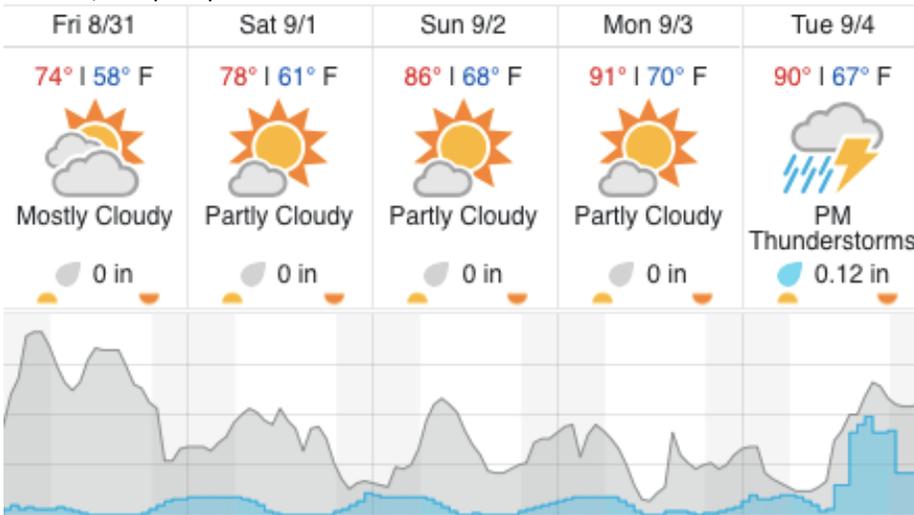
N01A

1

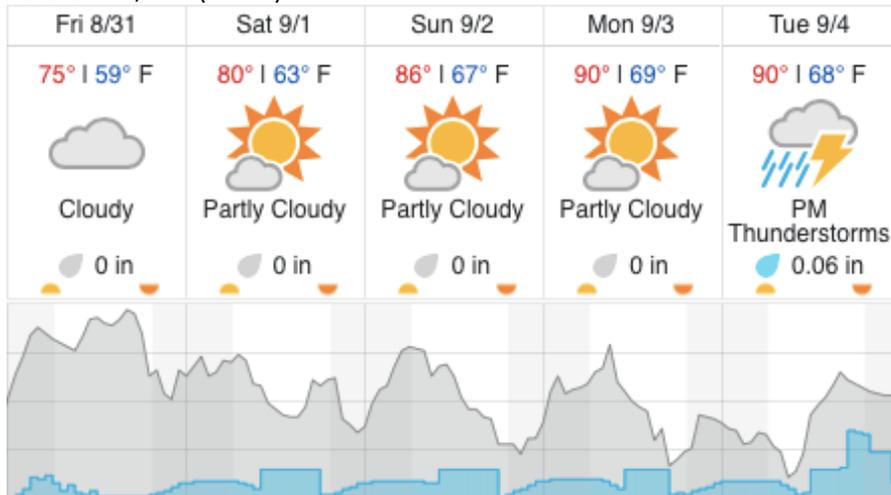
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 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 100% (1/1)

Weather Forecast

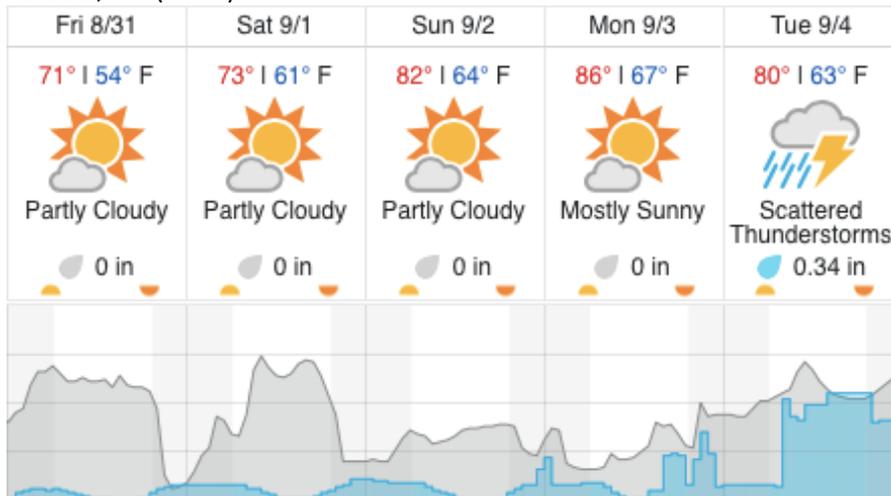
Nashua, NH (FBO)



Petersham, MA (HARV)



Bartlett, NH (BART)



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)