



Payload 2 Daily Flight Report



Date: 2026-08-30

Flight Campaign ID: P2C1

Airport, FBO ID, City: Nashua Airport (KASH) - Nashua, NH

Aircraft: N821AR

Domain: 01 (Northeast)

Sites Flown: HARV_P1 (Harvard Forest Priority 1)

Days left in Domain: 4

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 03:49

Spectrometer Operators: Mitch

Hours until maintenance: 80.97

Pilots: Justin, Manning

GPS Instruments: AOP_HARV, C-ZBW1

Summary

The crew was able to complete initial coverage over Harvard Forest in red sky conditions.

Concerns

- The NIS froze during today's flight displaying the dreaded blue screen before restarting! After the quick reboot no other issues occurred.

Comments

- None

Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

Solar Angle Less Than 40 degrees: (*)

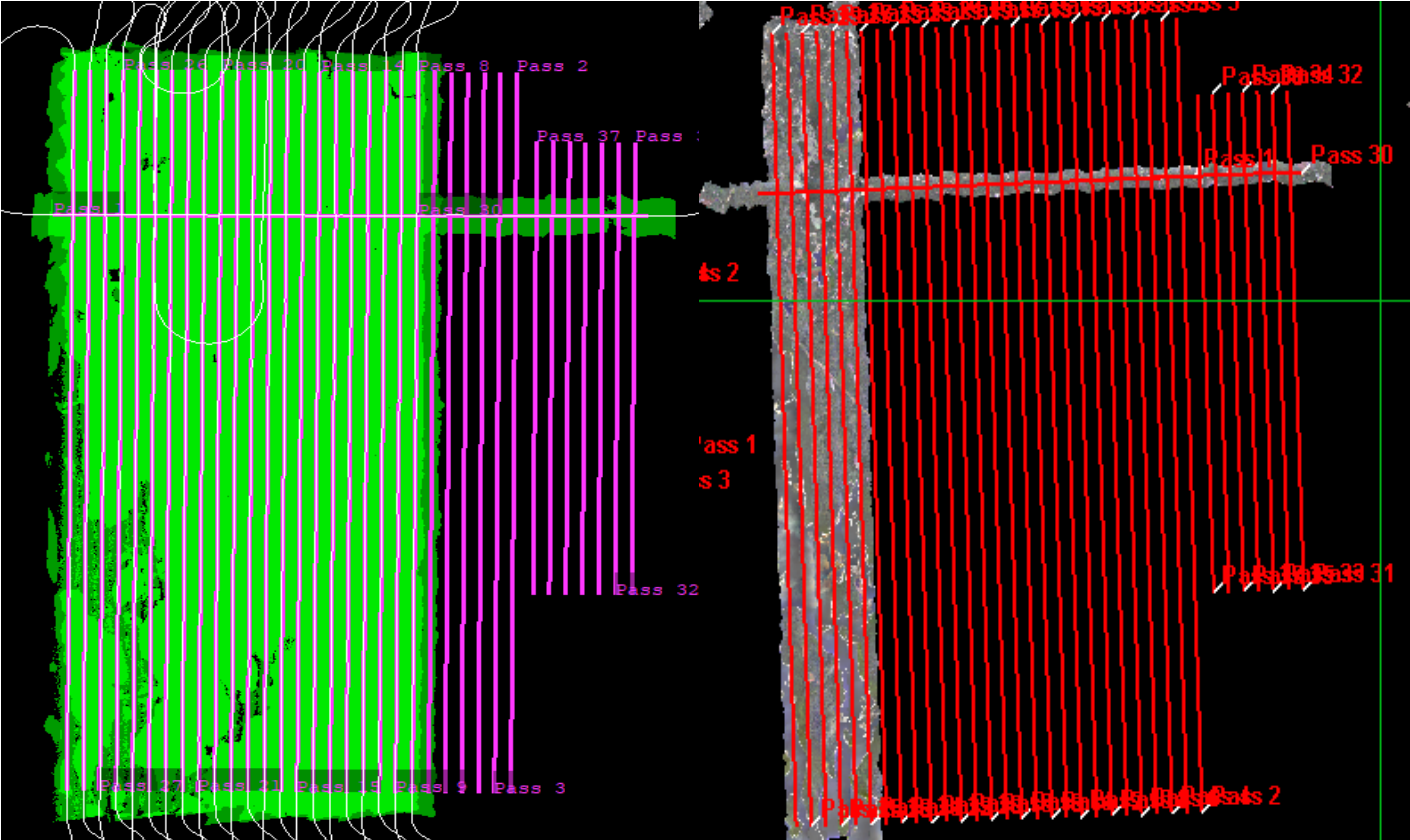
D01|HARV_P1

Line #	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	28	29
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

Total number of lines flown: 22

Flight Screenshots
Lidar



Pictures: Cloudy skies over HARV today.



Cumulative Domain Coverage

D01|BART (Bartlett Experimental Forest)

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: 100% (35/35)

Green: 51% (18/35)

Yellow: 49% (17/35)

Red: 0% (0/35)

* Flown within 35deg solar angle

D01|HARV_P1 (Harvard Forest Priority 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: 100% (28/28)

Green: 0% (0/28)

Yellow: 4% (1/28)

Red: 96% (27/28)

* Flown within 35deg solar angle

D01|HARV_P2 (Harvard Forest Priority 2)

31	32	33	34	35	36	37
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Flown: 100% (7/7)

Green: 0% (0/7)

Yellow: 100% (7/7)

Red: 0% (0/7)

* Flown within 35deg solar angle

D01|HOPB (Hop Brook)

2	3	4	5	6	7	8	9	10
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Flown: 0% (0/9)

Green: 0% (0/9)

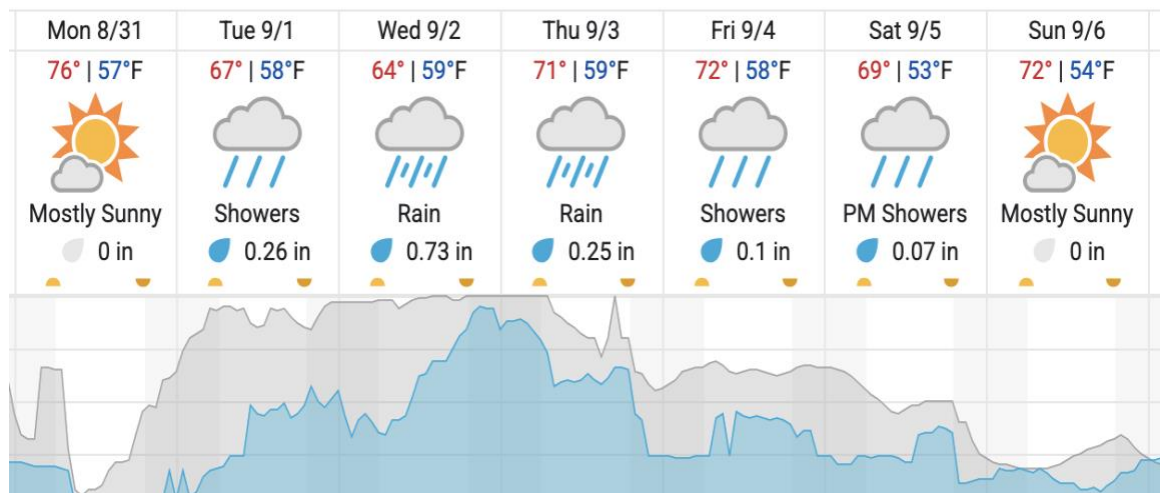
Yellow: 0% (0/9)

Red: 0% (0/9)

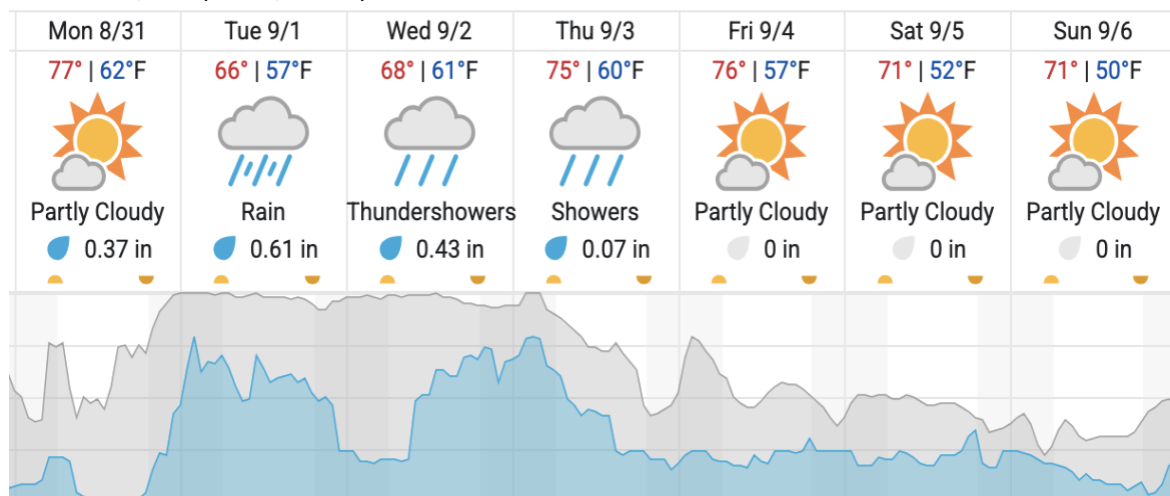
* Flown within 35deg solar angle

Weather Forecast

Bartlett, NH (BART)



Petersham, MA (HARV, HOPB)



source: wunderground.com

Flight Collection Plan for August 31, 2026

Flyority 1

Collection Area: Bartlett Experimental Forest (BART) (**only if green*)

Flight Plan Name: D01_BART_R1_P1_v3_VQ780

On-Station Time: 1400 UTC / 1000 L

Flyority 2

Collection Area: Harvard Forest (HARV) – Priority 1 Flight Box (**only if green*)

Flight Plan Name: D01_HARV_C1_P1_P2_v5_VQ780

On-Station Time: 1400 UTC / 1000 L

Flyority 3

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01_HOPB_A1_P1_v3_VQ780

On-Station Time: 1400 UTC / 1000 L

Flyority 4

Collection Area: Harvard Forest (HARV) – Priority 2 Flight Box (**only if green*)

Flight Plan Name: D01_HARV_C1_P1_P2_v5_VQ780

On-Station Time: 1400 UTC / 1000 L

Crew: Mitch (Lidar), Cameron (NIS)