



Payload 2 Daily Flight Report



Date: 2026-08-14

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), HARV_P2 (Harvard Forest Priority 2)

Days left in Domain: 21

Report Author: Mike

Lidar Operators: Mike

Spectrometer Operators: Alyssa

Pilots: Justin, Landon

Ground Crew: Cameron

Flight Hours: 01:37

Hours until maintenance: 92.90

GPS Instruments: C-ZBW1, AOP_HARV

Summary

Decent conditions were seen at HARV this morning. Although hopeful for green category skies, there were enough scattered clouds to push the rating into yellow conditions. As a result, we focused on the HARV_P2 box and completed that section.

Concerns

None

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 #	7
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	

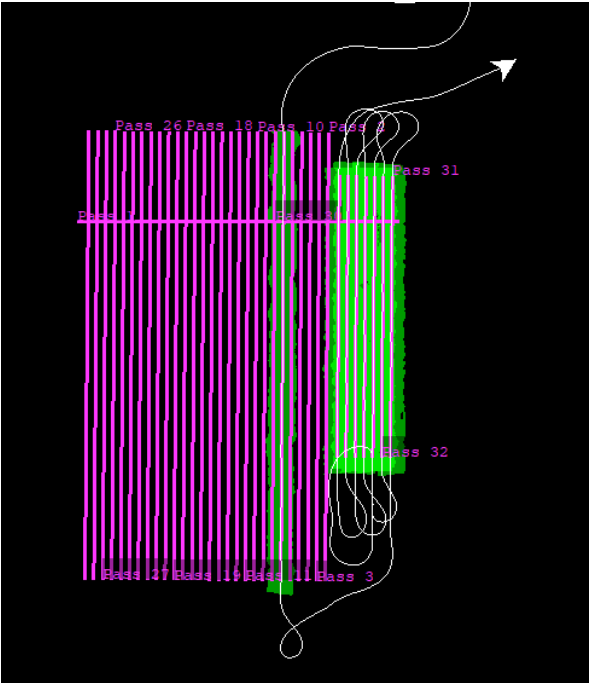
Total number of lines flown: 1

D01|HARV_P2

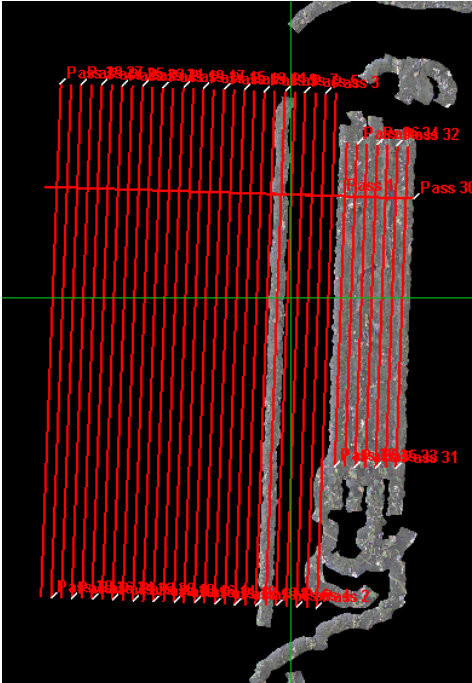
Line #	31	32	33	34	35	36	37
Lidar	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓
Cloud Cover							

Total number of lines flown: 7

Flight Screenshots



Lidar



NIS

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: 0% (0/35)

Green: 0% (0/35)

Yellow: 0% (0/35)

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: 4% (1/28)

Green: 0% (0/28)

Yellow: 4% (1/28)

Red: 0% (0/28)

* 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)

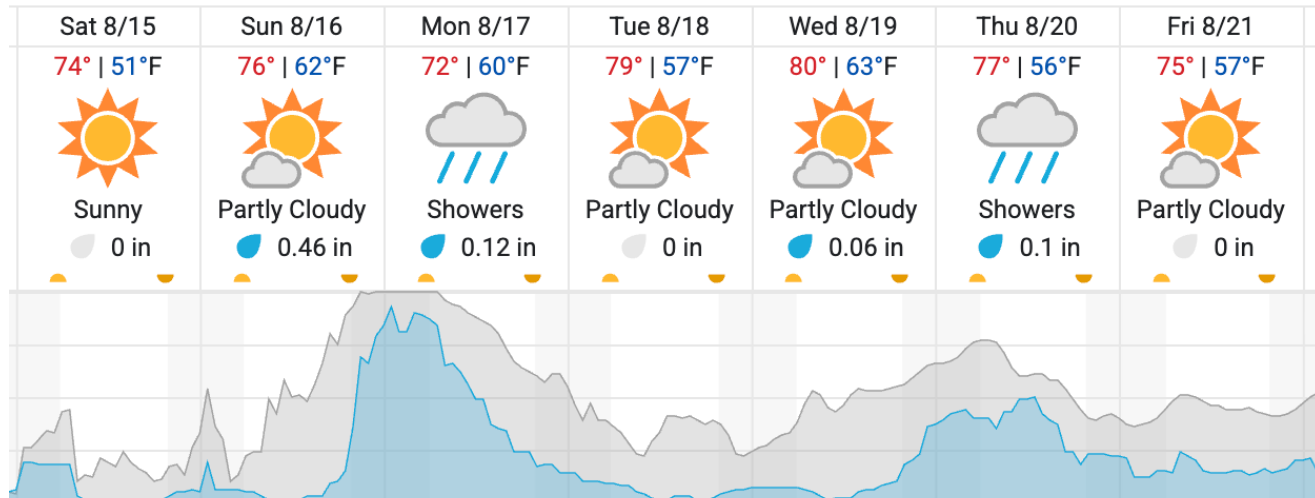
Yellow: 0% (0/9)

Red: 0% (0/9)

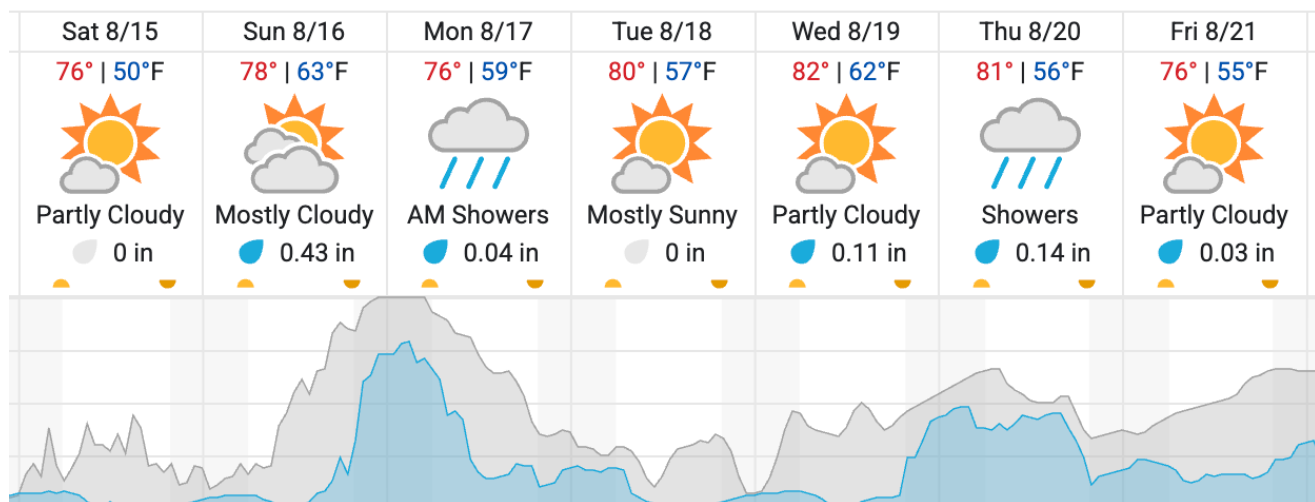
* Flown within 35deg solar angle

Weather Forecast

Bartlett, NH (BART)



Petersham, MA (HARV, HOPB)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for August 15 2026

Flyority 1

Collection Area: Bartlett Experimental Forest (BART)

Flight Plan Name: D01_BART_R1_P1_v3_VQ780

On-Station Time: 1340 UTC / 0940 L

Flyority 2

Collection Area: Harvard Forest (HARV) – Priority 1 Flight Box

Flight Plan Name: D01_HARV_C1_P1_P2_v5_VQ780

On-Station Time: 1340 UTC / 0940 L

Flyority 3

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01_HOPB_A1_P1_v3_VQ780

On-Station Time: 1340 UTC / 0940 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: 1340 UTC / 0940 L

Crew: Cam (Lidar), Mike (NIS)