



Payload 2 Daily Flight Report

Date: 2025-08-21

Flight Campaign ID: P2C1

Airport, FBO ID, City: Nashua Airport (KASH) - Nashua, NH; Laconia Municipal (KLCI) - Laconia, NH

Aircraft: N615AR

Domain: 01 (Northeast)

Sites Flown: BART (Bartlett Experimental Forest)

Days left in Domain: 18

Report Author: Mitch

Lidar Operators: Mitch

Spectrometer Operators: Elissa

Pilots: Justin, Manning

Flight Hours: 03:55, 00:26

Hours until maintenance: 24.58

GPS Instruments: AOP_BART, C-ZBW1, S-NHCY, S-NHNU

Summary

Overcast conditions were present across southern New Hampshire and Massachusetts, however a high-pressure system over northern New Hampshire and Maine provided a rare day of clear skies over the White Mountains. Departure was delayed to allow morning fog in the mountain valleys to dissipate, after which the crew successfully collected the entire Bartlett Experimental Forest box under green conditions. A fuel stop in Laconia was needed before returning to Nashua.

Concerns

None

Comments

It's unclear whether permanent AOP GPS Station at BART was logging, however Smartnet Station S-NHCY was confirmed logging and will be downloaded as a backup.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D01 | BART

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

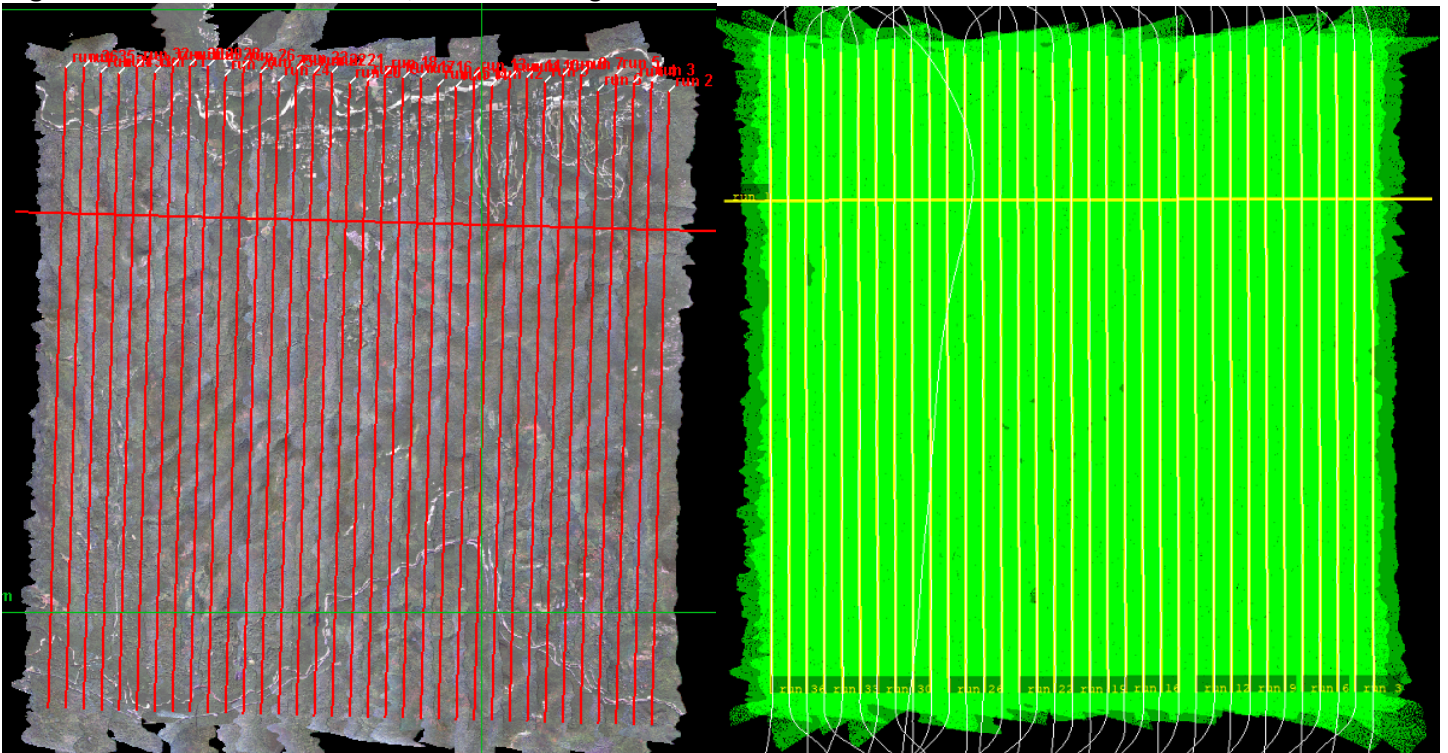
Line #	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover															

Total number of lines flown: 35

Pictures: Completely clear, bluebird day in the white mountains.



Flight Screenshots: NIS on the left, Lidar on the right



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: 100% (35/35)

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: 0% (0/28)

Green: 0% (0/28)

Yellow: 0% (0/28)

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: 0% (0/7)

Green: 0% (0/7)

Yellow: 0% (0/7)

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)

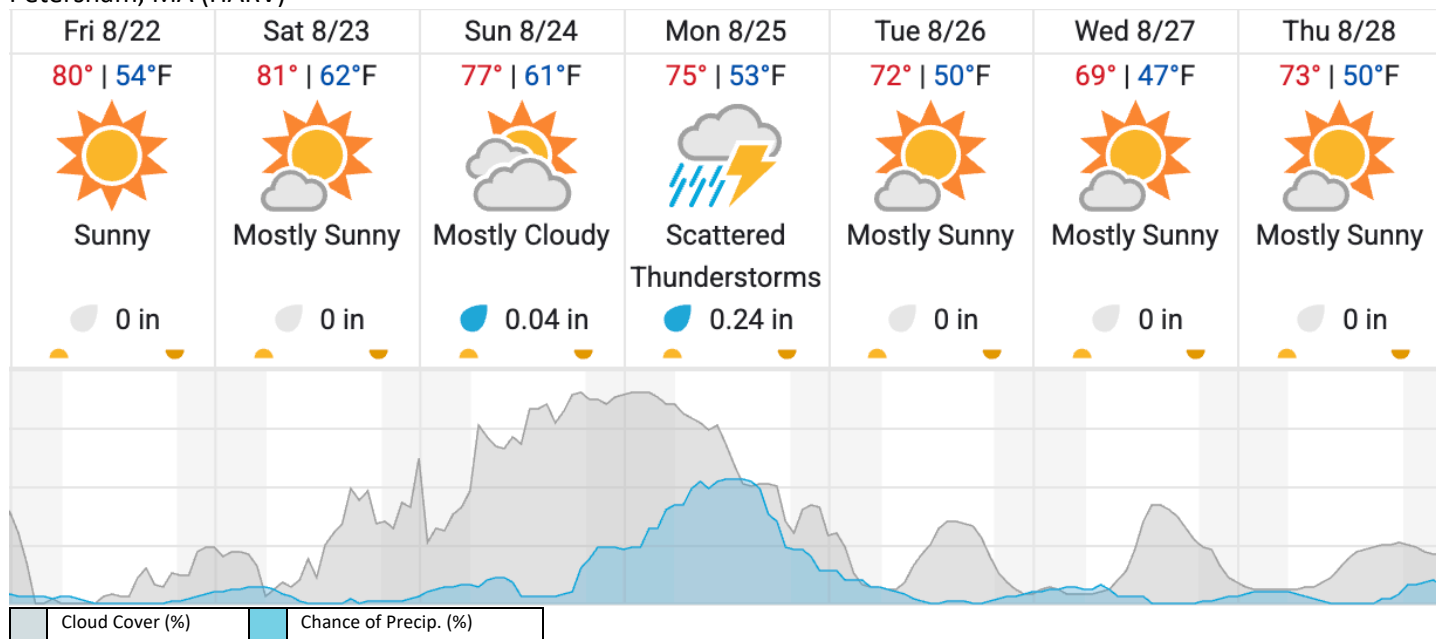
Yellow: 0% (0/9)

Red: 0% (0/9)

* Flown within 35deg solar angle

Weather Forecast

Petersham, MA (HARV)



source: wunderground.com

Flight Collection Plan for 22 August 2025

Flyority 1

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

Flight Plan Name: D01_HARV_C1_P1_P2_v5_VQ780

On-Station Time: 1350 UTC / 0950 L

Flyority 2

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01_HOPB_A1_P1_v3_VQ780

On-Station Time: 1350 UTC / 0950 L

Flyority 3

Collection Area: Harvard Forest (HARV) – Priority 2 Flight Box

Flight Plan Name: D01_HARV_C1_P1_P2_v5_VQ780

On-Station Time: 1350 UTC / 0950 L

Crew: Elissa (Lidar), Mitch (NIS)