



## Payload 2 Daily Flight Report



**Date:** 2025-08-26

**Flight Campaign ID:** P2C1

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

**Aircraft:** N615AR

**Domain:** 01 (Northeast)

**Sites Flown:** None

**Days left in Domain:** 13

**Report Author:** Mike

**Lidar Operators:** Mike

**Flight Hours:** 00:00

**Spectrometer Operators:** Mitch

**Hours until maintenance:** 22.37

**Pilots:** Justin, Jacob

### Summary

At first look this morning, skies were clear at HARV and the initial call for a tow out was made. Then one hour later, much earlier than forecasted, cumulus clouds quickly developed over the entire region preventing any collections from happening.

### Concerns

None

### Comments

After discussions with the lab, it was decided that we will continue operations under the current configuration with turbo pump attached while in the hangar. As of now, this is working and is preferred over replacing instrumentation in the field when it can be dealt with properly in the lab after collections in D01 have been completed.

### 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: 36% (10/28)

Green: 36% (10/28)

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)

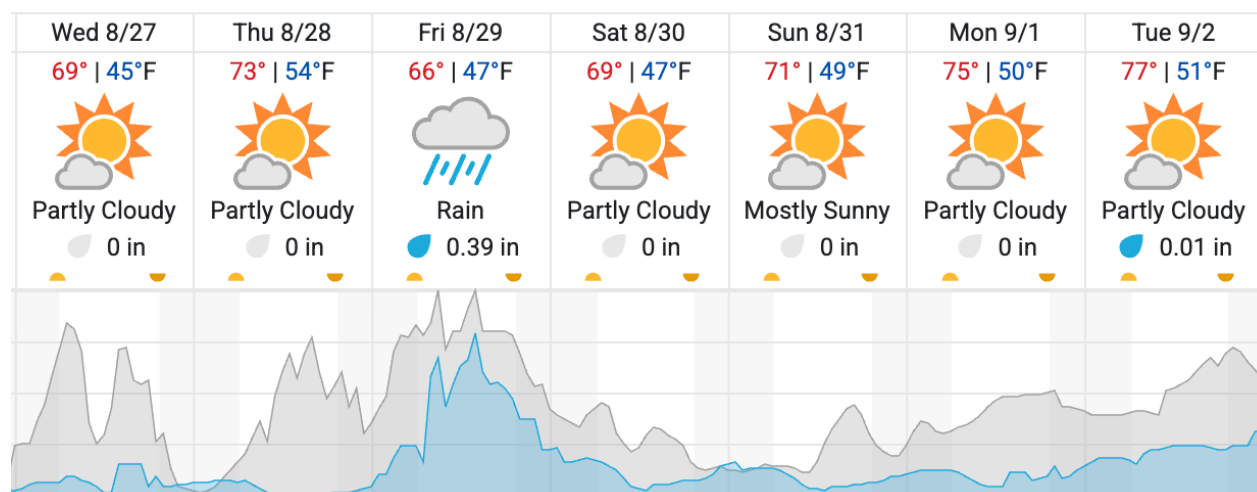
Yellow: 0% (0/9)

Red: 0% (0/9)

\* Flown within 35deg solar angle

### Weather Forecast

Petersham, MA (HARV)



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

### Flight Collection Plan for 27 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: 1400 UTC / 1000 L

Flyority 2

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01\_HOPB\_A1\_P1\_v3\_VQ780

On-Station Time: 1400 UTC / 1000 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: 1400 UTC / 1000 L

**Crew:** Mitch (Lidar), Mike (NIS)