



Payload 1 Daily Flight Report



**Date:** 2024-08-11  
**Flight Campaign ID:** P1C1  
**Airport, FBO ID, City:** Nashua Airport at Boire Field (KASH) - Nashua, NH  
**Aircraft:** N615AR

**Domain:** 01 (Northeast)  
**Sites Flown:** None  
**Days left in Domain:** 29

**Report Author:** Elissa  
**Lidar Operators:** Elissa                      **Flight Hours:** 00:00  
**Spectrometer Operators:** Cameron   **Hours until maintenance:** 67.53  
**Pilots:** Justin, Jacob

**Summary**  
Despite improving weather, clouds remained present over our sites today. No flights were conducted.

**Concerns**  
None.

**Comments**  
Mitch leaves the crew today – thanks for the hard work Mitch!

**Cumulative Domain Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

|        |
|--------|
| Line # |
|--------|

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)

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)

D01 | HARV\_P2 (Harvard Forest Priority 2)

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 31 | 32 | 33 | 34 | 35 | 36 | 37 |
|----|----|----|----|----|----|----|

Flown: 0% (0/7)  
Green: 0% (0/7)  
Yellow: 0% (0/7)  
Red: 0% (0/7)

D01 | HOPB (Hop Brook)

|   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|----|
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|----|

Flown: 0% (0/9)  
Green: 0% (0/9)  
Yellow: 0% (0/9)  
Red: 0% (0/9)

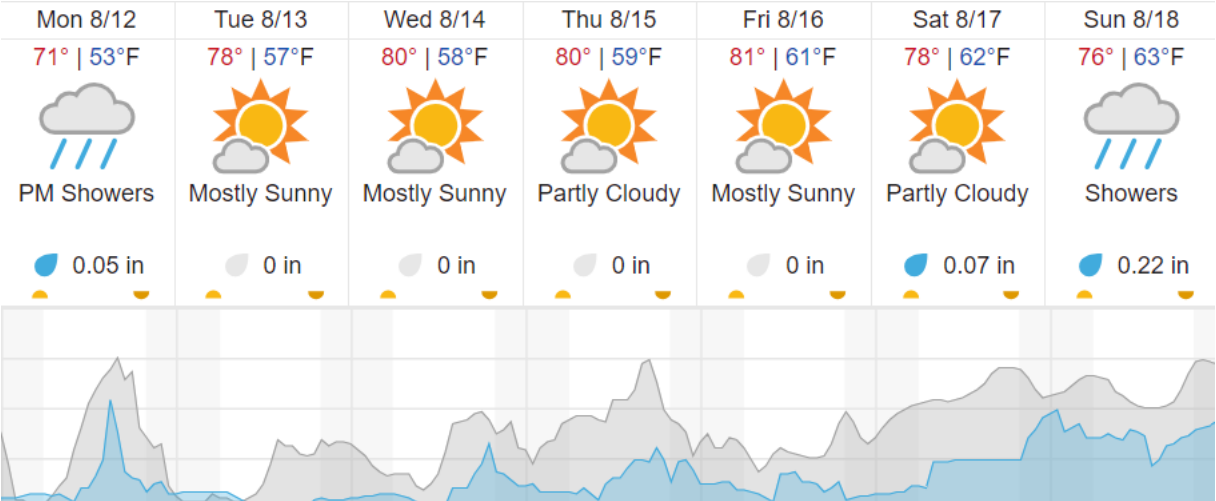
D01 | N01A (D01 Nominal Runway)

|   |   |
|---|---|
| 1 | 2 |
|---|---|

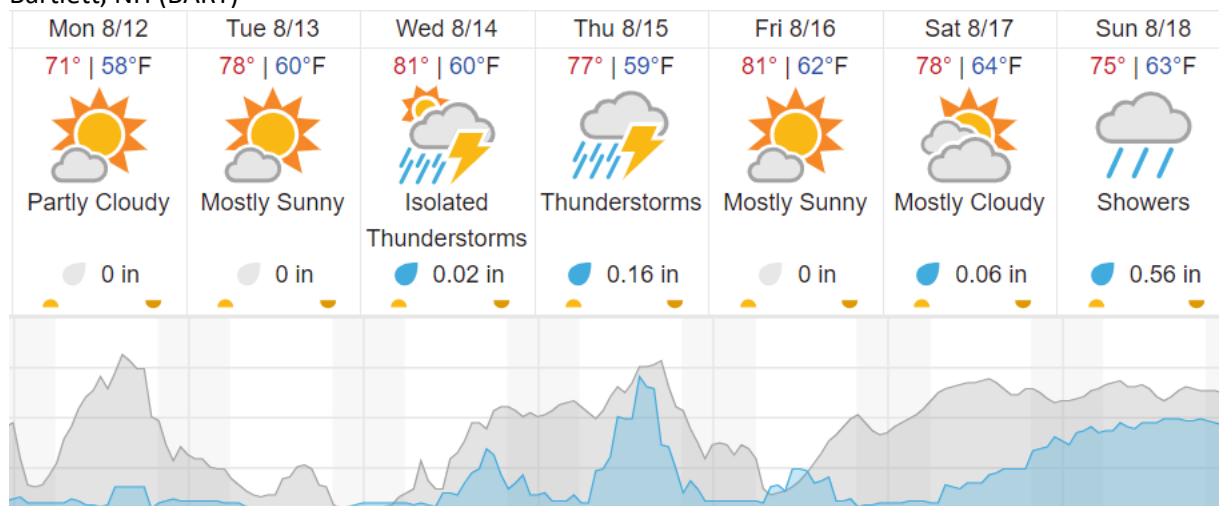
Flown: 0% (0/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 0% (0/2)

Weather Forecast

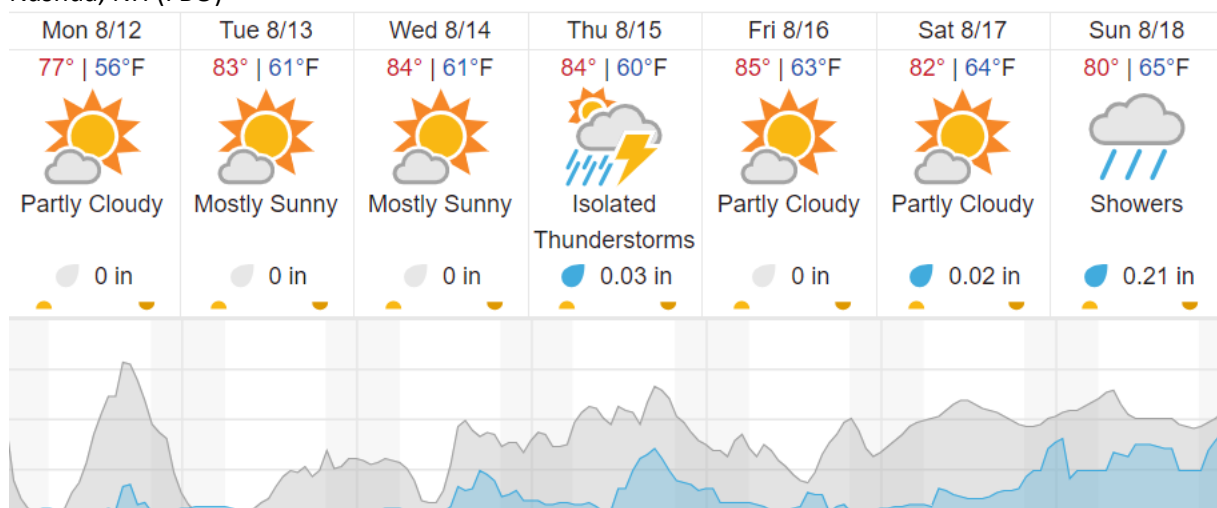
Petersham, MA (HARV)



## Bartlett, NH (BART)



## Nashua, NH (FBO)



|                 |                       |
|-----------------|-----------------------|
| Cloud Cover (%) | Chance of Precip. (%) |
|-----------------|-----------------------|

source: wunderground.com

## Flight Collection Plan for 12 August 2024

### Flyority 1:

Collection Area: Harvard Forest – Priority 1 (HARV\_P1)

Flight Plan Name: D01\_HARV\_C1\_P1\_\_P2\_v4\_PRM.xml

On-station Time: 1340 UTC / 0940 L

### Flyority 2:

Collection Area: Bartlett Experimental Forest (BART)

Flight Plan Name: D01\_BART\_R1\_P1\_v2\_PRM.xml

On-station Time: 1340 UTC / 0940 L

Flyority 3:

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01\_HOPB\_A1\_P1\_v2\_PRM.xml

On-station Time: 1340 UTC / 0940 L

Flyority 4:

Collection Area: Harvard Forest – Priority 2 (HARV\_P2)

Flight Plan Name: D01\_HARV\_C1\_P1\_\_P2\_v4\_PRM.xml

On-station Time: 1340 UTC / 0940 L

Flyority 5:

Collection Area: Nominal Runway – D01

Flight Plan Name: D01\_N01A\_Nominal\_Runway\_Test\_v2\_PRM.xml

On-station Time: NA

Crew: Cameron (Lidar), Elissa (NIS)