



## Payload 1 Daily Flight Report



**Date:** 2024-09-04

**Flight Campaign ID:** P1C1

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

**Aircraft:** N615AR

**Domain:** 01 (Northeast)

**Sites Flown:** HARV\_P2 (Harvard Forest Priority 2), HOPB (Hop Brook)

**Days left in Domain:** 3

**Report Author:** Mike

**Lidar Operators:** Mike

**Spectrometer Operators:** John

**Pilots:** Will, Justin

**Flight Hours:** 02:55

**Hours until maintenance:** 47.88

**GPS Instruments:** 07 - KASH, AOP\_HARV

### Summary

We ventured out again today, taking advantage of the cool clear weather. An attempt was made at BART but unfortunately there was a band of cirrus encroaching upon the site when we arrived. Luckily it was still clear at HOPB and HARV P2 so we finished off those areas.

### Concerns

None

### Comments

A TFR was active today at the recently added Research Support Services box near Portsmouth, NH, but expires tonight.

### Daily Coverage

Estimated Cloud Cover Key

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

D01 | HOPB

Line #	1	2	3	4	5	6	7	8	9	10
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

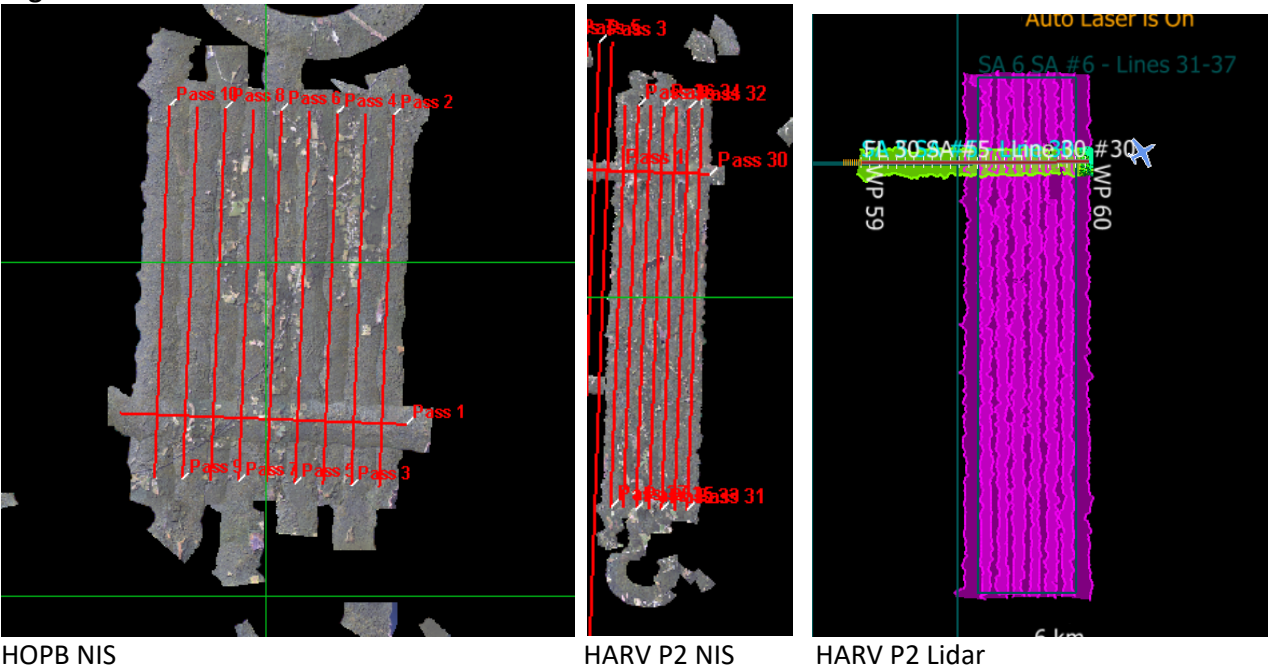
Total number of lines flown: 10

D01|HARV\_P2

Line #	30	31	32	33	34	35	36	37
Lidar	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover								

Total number of lines flown: 8

Flight Screenshots



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: 77% (27/35)  
Green: 0% (0/35)  
Yellow: 77% (27/35)  
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: 100% (28/28)  
Green: 100% (28/28)  
Yellow: 0% (0/28)  
Red: 0% (0/28)

D01|HARV\_P2 (Harvard Forest Priority 2)

31	32	33	34	35	36	37
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Flown: 100% (7/7)  
 Green: 100% (7/7)  
 Yellow: 0% (0/7)  
 Red: 0% (0/7)

D01 | HOPB (Hop Brook)

2	3	4	5	6	7	8	9	10
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Flown: 100% (9/9)  
 Green: 100% (9/9)  
 Yellow: 0% (0/9)  
 Red: 0% (0/9)

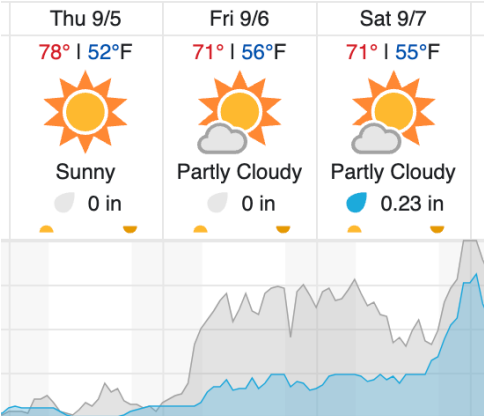
D01 | N01A (D01 Nominal Runway )

1	2
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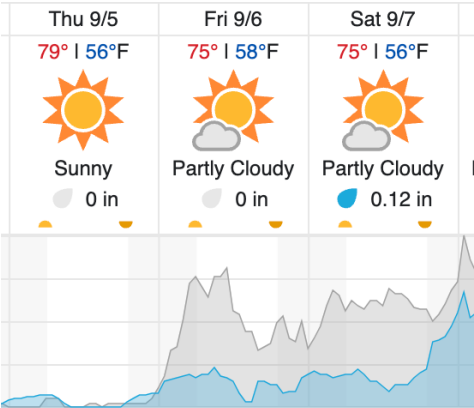
Flown: 100% (2/2)  
 Green: 0% (0/2)  
 Yellow: 100% (2/2)  
 Red: 0% (0/2)

Weather Forecast

Bartlett, NH (BART)



Durham, NH (TMSF)



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

Flyority 1:

Collection Area: Bartlett Experimental Forest (BART)

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

On-station Time: 1410 UTC / 1010 L

Flyority 2:

Collection Area: Thompson Farms (TMSF)

Flight Plan Name: D01\_TMSF\_S1\_P1\_P2\_v3.xml

On-station Time: 1410 UTC / 1010 L

Crew: John (Lidar), Mike (NIS)