



Payload 2 Daily Flight Report



Date: 2025-09-02

Flight Campaign ID: P2C1

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

Aircraft: N615AR

Domain: 01 (Northeast)

Sites Flown: HARV_P1 (Harvard Forest Priority 1), HOPB (Hop Brook)

Days left in Domain: 6

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mike

Pilots: Justin, Jacob

Flight Hours: 02:14

Hours until maintenance: 16.85

GPS Instruments: AOP_HARV, C-ZBW1

Summary

The crew was able to complete HARV_P1 and about half of HOPB in Green conditions before cumulous clouds appeared.

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|HOPB

Line #	2	3	4	5	6
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

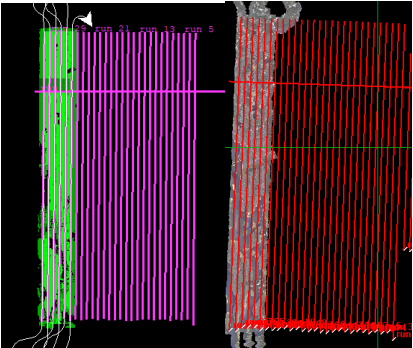
Total number of lines flown: 5

D01|HARV_P1

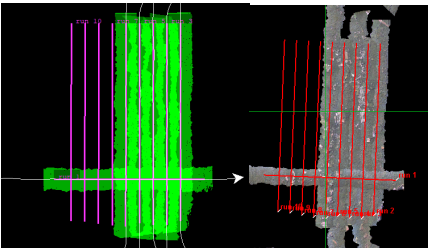
Line #	24	25	26	27	28	29
Lidar	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓
Cloud Cover						

Total number of lines flown: 6

Flight Screenshots



HARV screenshot lidar, NIS



HOPB screenshot 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: 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: 100% (28/28)
Green: 100% (28/28)
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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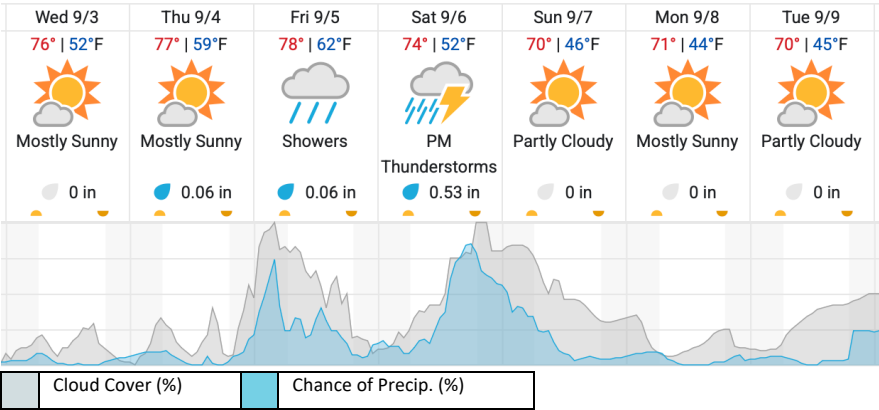
Flown: 0% (0/7)
Green: 0% (0/7)
Yellow: 0% (0/7)
Red: 0% (0/7)
* Flown within 35deg solar angle

D01 | HOPB (Hop Brook)

2	3	4	5	6	7	8	9	10
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Flown: 56% (5/9)
Green: 44% (4/9)
Yellow: 11% (1/9)
Red: 0% (0/9)
* Flown within 35deg solar angle

Weather Forecast



source: wunderground.com

Flight Collection Plan for September 2025

Flyority 1
Collection Area: Harvard Forest (HARV) – Priority 2 Flight Box
Flight Plan Name: D01_HARV_C1_P1_P2_v5_VQ780
On-Station Time: 1410 UTC / 1010 L

Crew: Mike (Lidar), John (NIS)