



Payload 2 Daily Flight Report



Date: 2025-09-03

Flight Campaign ID: P2C1

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

Aircraft: N615AR

Domain: 01 (Northeast)

Sites Flown: HARV_P2 (Harvard Forest Priority 2), HOPB (Hop Brook)

Days left in Domain: 4

Report Author: Mike

Lidar Operators: Mike

Spectrometer Operators: John

Pilots: Justin, Jacob

Flight Hours: 01:37

Hours until maintenance: 15.23

GPS Instruments: AOP_HARV, C-ZBW1

Summary

Another clear morning granted the opportunity to finish up collections at HARV and HOPB, and ultimately D01, pending data review. 5 lines at HOPB and 7 at HARV P2 were collected in mostly green conditions.

Concerns

None.

Comments

- Plans for departure and collection of ROCX are in progress.
- SBET error spike from flight 2025083112 is being investigated.
- A tour for the Domian 1 staff is scheduled for tomorrow afternoon.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D01 | HOPB

Line #	6	7	8	9	10
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

Total number of lines flown: 5

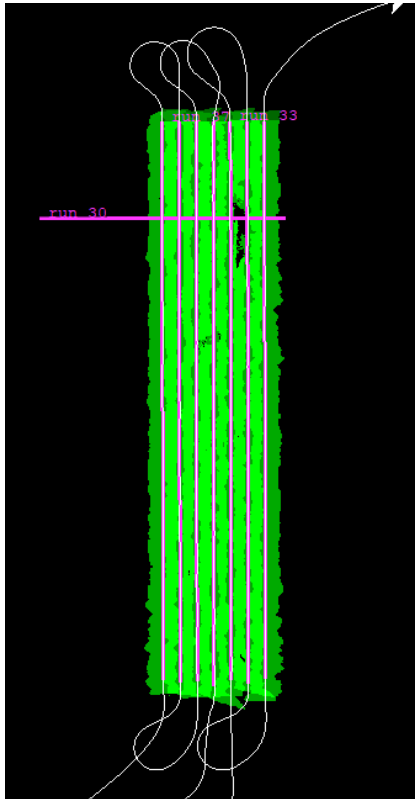
D01|HARV_P2

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

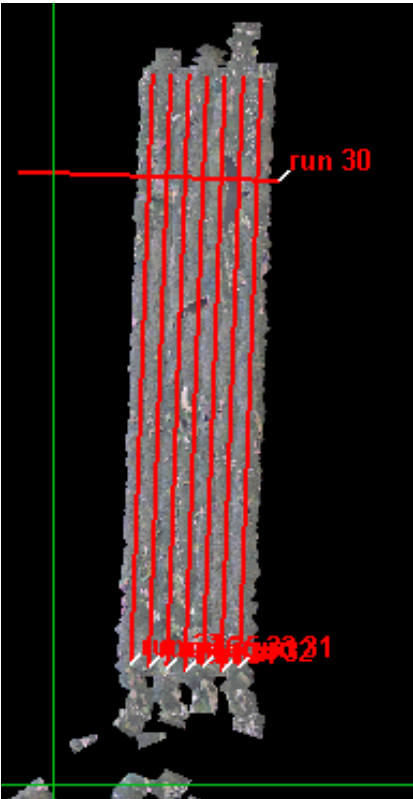
Total number of lines flown: 7

Flight Screenshots

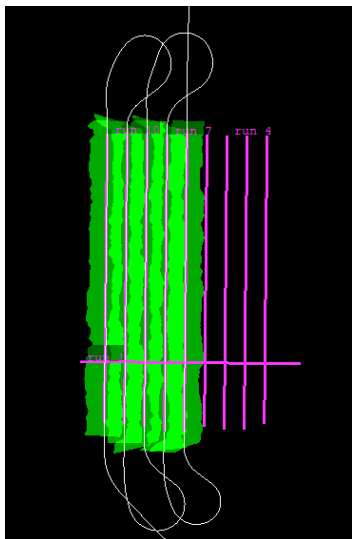
HARV P2 Lidar



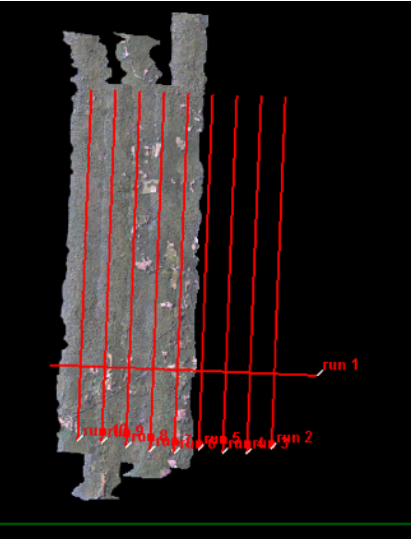
HARV P2 NIS



HOPB Lidar



HOPB 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: 100% (7/7)

Green: 71% (5/7)

Yellow: 29% (2/7)

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: 100% (9/9)

Green: 100% (9/9)

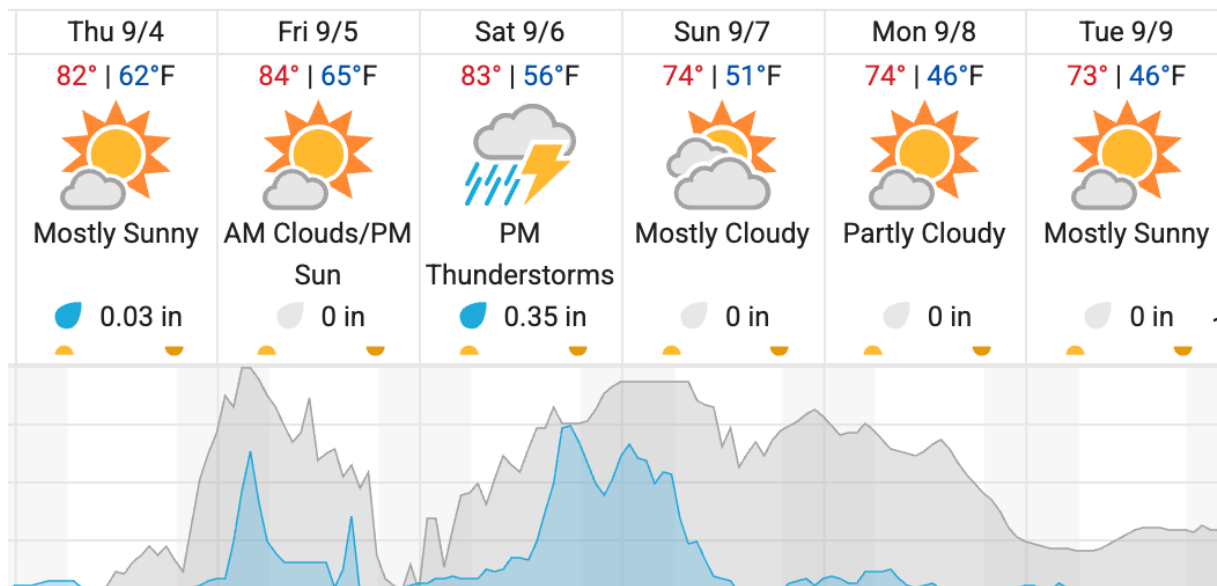
Yellow: 0% (0/9)

Red: 0% (0/9)

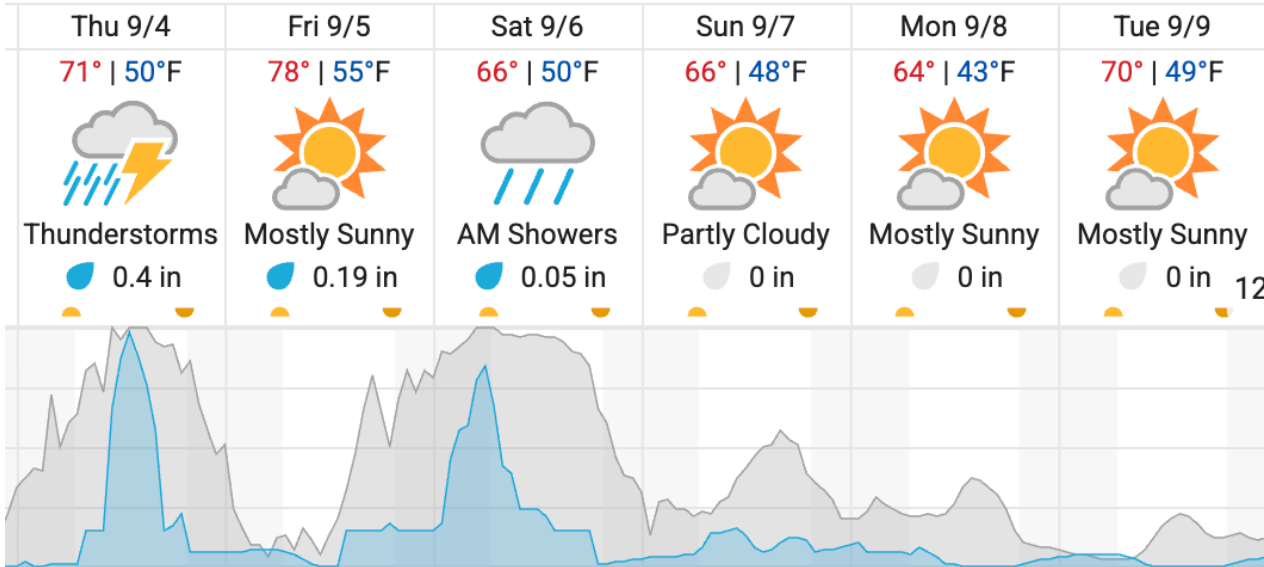
* Flown within 35deg solar angle

Weather Forecast

Nashua, NH (FBO)



Rochester, NY (ROCX)



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

Plan for September 04 2025

No fights planned.
Post Domain Activity, Data confirmation, Tour
Crew: Mike, John