



Payload 1 Daily Flight Report



Date: 2024-08-28

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: 10

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mike

Pilots: Will, Justin

Ground: Abe

Flight Hours: 0.0

Hours until maintenance: 60.07

GPS Instruments: None.

Summary

The cloudy weather kept us from flying a mission flight today. The crew worked with the NEON Lab team (Andrew, Brendan, and Mark) checking on the system power-up issue. No final conclusions were determined, and the crew will continue to operate Payload 1 using a modified start procedure.

Concerns

None.

Comments

After testing various configurations and power reduction strategies, the Payload continues to periodically shift to the UPS as it is being turned 'On' while on Ground power. The crew will now start the Payload under Survey power, as the in-flight setting does not lead to spurious UPS power shifting.

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: 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: 89% (25/28)

Green: 29% (8/28)

Yellow: 25% (7/28)

Red: 36% (10/28)

D01|HARV_P2 (Harvard Forest Priority 2)

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

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)

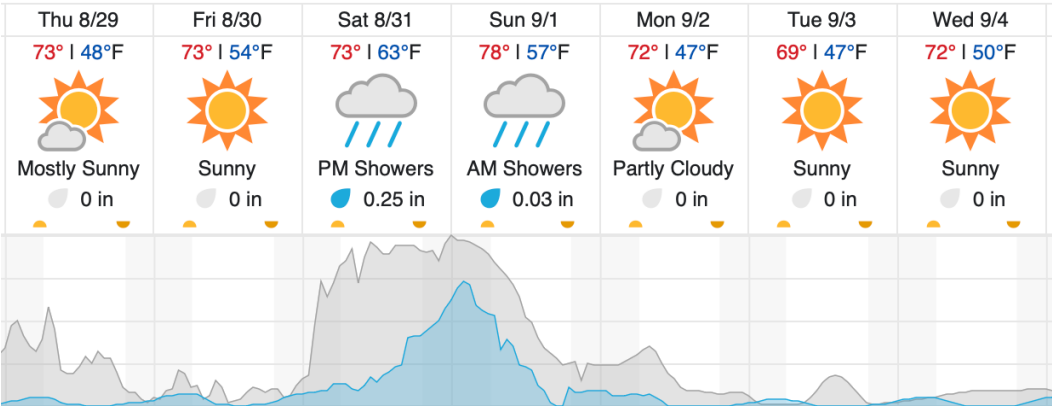
D01|N01A (D01 Nominal Runway)

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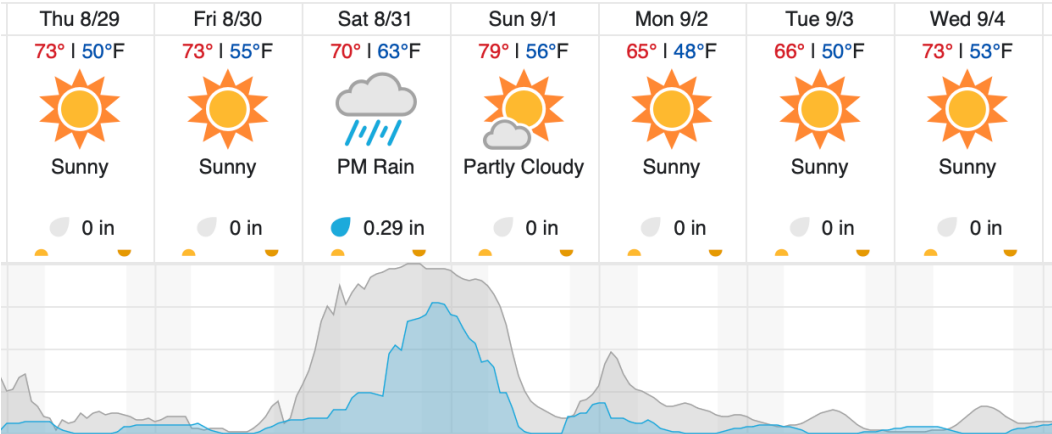
Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 100% (2/2)
Red: 0% (0/2)

Weather Forecast

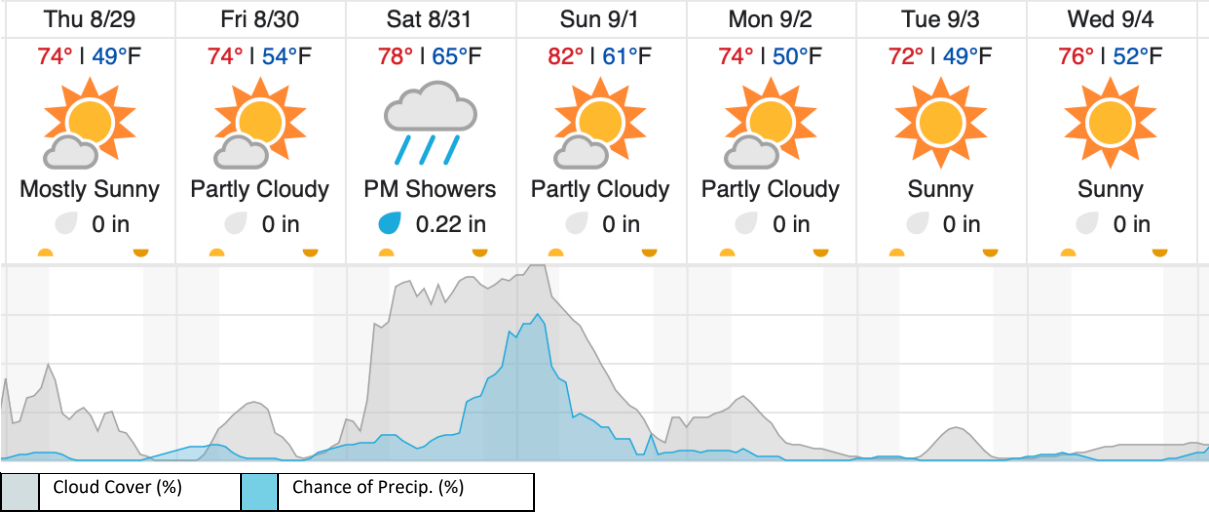
Petersham, MA (HARV)



Bartlett, NH (BART)



Nashua, NH



source: wunderground.com

Flight Collection Plan for 29 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: 1350 UTC / 0950 L

Flyority 2:

Collection Area: Bartlett Experimental Forest (BART)
Flight Plan Name: D01_BART_R1_P1_v2_PRM.xml
On-station Time: 1350 UTC / 0950 L

Flyority 3:

Collection Area: Hop Brook (HOPB)
Flight Plan Name: D01_HOPB_A1_P1_v2_PRM.xml
On-station Time: 1350 UTC / 0950 L

Flyority 4: *(if green)*

Collection Area: Harvard Forest – Priority 2 (HARV_P2)
Flight Plan Name: D01_HARV_C1_P1_P2_v4_PRM.xml
On-station Time: 1350 UTC / 0950 L

Crew: Mike (Lidar), John (NIS)