



Payload 1 Daily Flight Report



Date: 2024-08-26
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: 12

Report Author: John
Lidar Operators: John **Flight Hours:** 00:00
Spectrometer Operators: Abe **Hours until maintenance:** 62.93
Pilots: Justin, Will

Summary
John and Abe installed the AXE diode and switch replacements today, with help from Andrew and Brendan. The Payload was checked for proper operation in both Ground and Survey power settings.

Concerns
None.

Comments
Payload 1 is ready for mission flights.

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: 43% (12/28)
Green: 29% (8/28)
Yellow: 11% (3/28)
Red: 4% (1/28)

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)

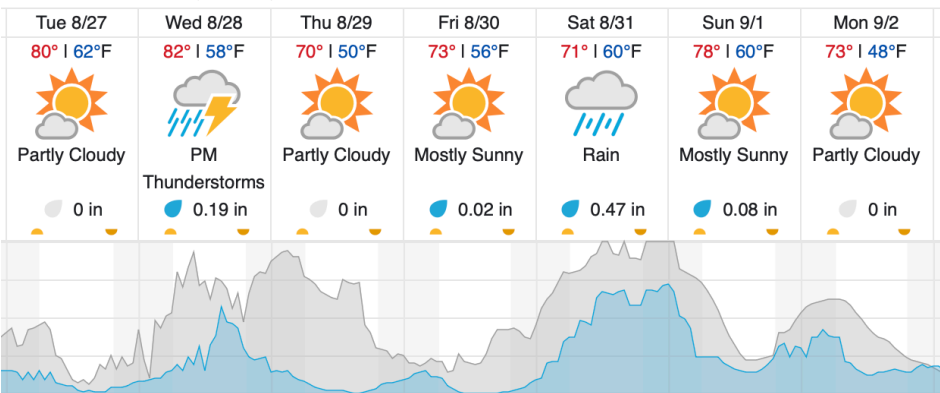
D01|N01A (D01 Nominal Runway)

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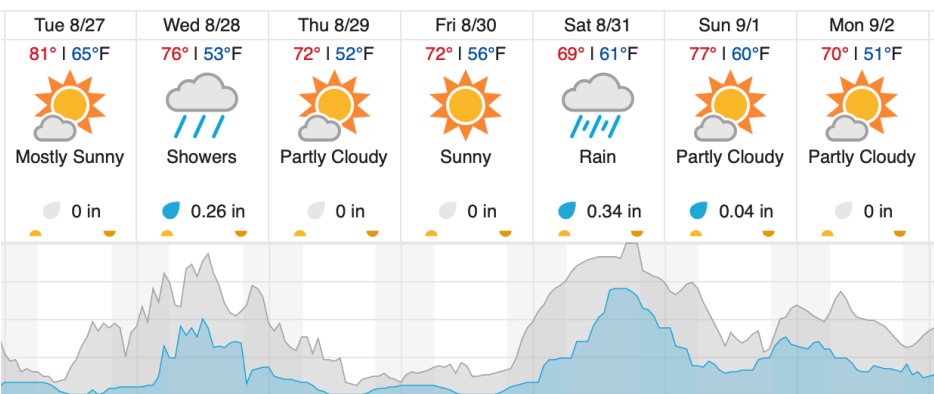
Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 100% (2/2)
Red: 0% (0/2)

Weather Forecast

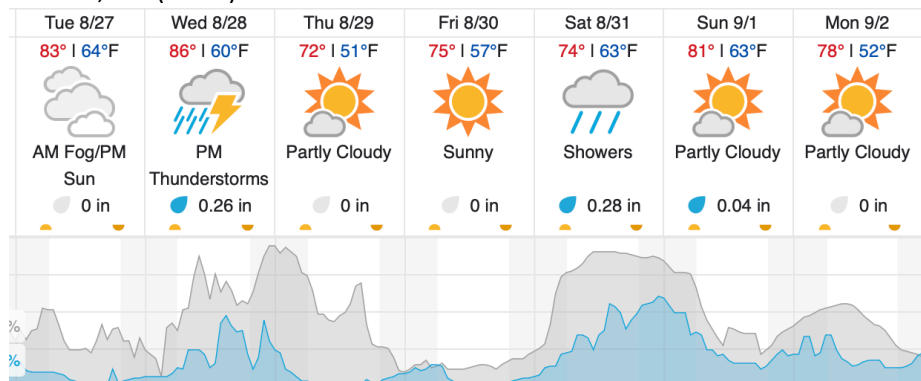
Petersham, MA (HARV)



Bartlett, NH (BART)



Nashua, NH (KASH)



source: wunderground.com

Flight Collection Plan for 27 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: Abe (Lidar), John (NIS)