



Payload 1 Daily Flight Report



Date: 2024-08-04
Flight Campaign ID: P1C1
Airport, FBO ID, City: Nashua Airport at Boire Field (KASH) - Nashua, NH
Aircraft: N615AR

Domain: 01 (Northeast)
Sites Flown: Pumping & Cooling
Days left in Domain: 34

Report Author: Cameron
Lidar Operators: Cameron **Flight Hours:** 00:00
Spectrometer Operators: Mitch **Hours until maintenance:** 67.53
Pilots: Jeff, Will

Summary

The system continued pumping overnight and began cooling early this morning. The payload appears to be on target to reach nominal operating conditions tomorrow. Thunderstorms rolled through the area today bringing bands of heavy rain.

Concerns

- BART tower camera is currently offline.

Comments

- None

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

Flight Screenshots: None

Pictures: None

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: 0% (0/28)
 Green: 0% (0/28)
 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: 0% (0/7)
 Green: 0% (0/7)
 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: 0% (0/9)
 Green: 0% (0/9)
 Yellow: 0% (0/9)
 Red: 0% (0/9)

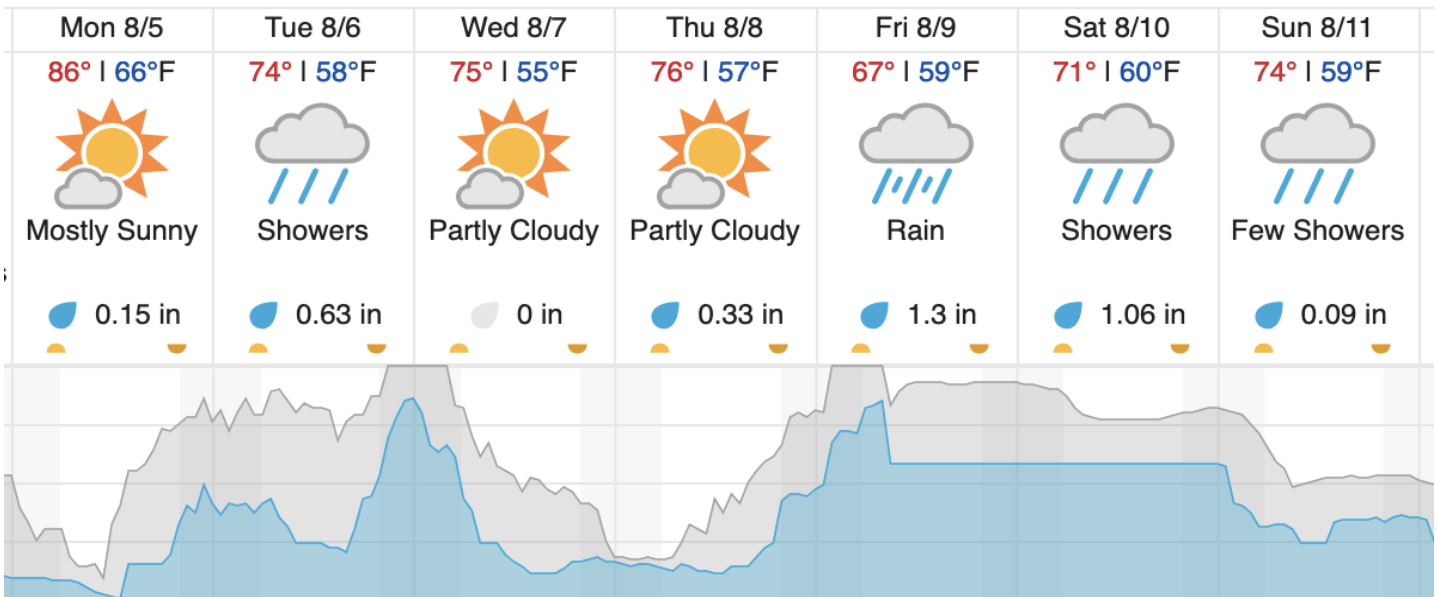
D01 | N01A (D01 Nominal Runway)

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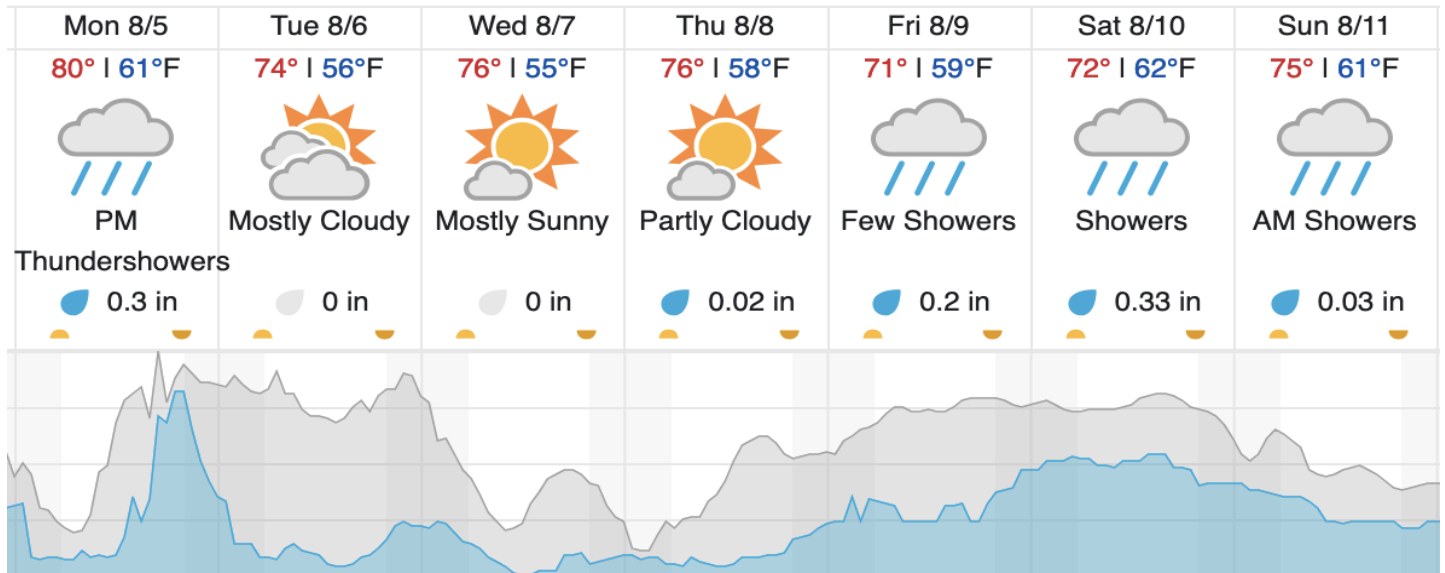
Flown: 0% (0/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 0% (0/2)

Weather Forecast

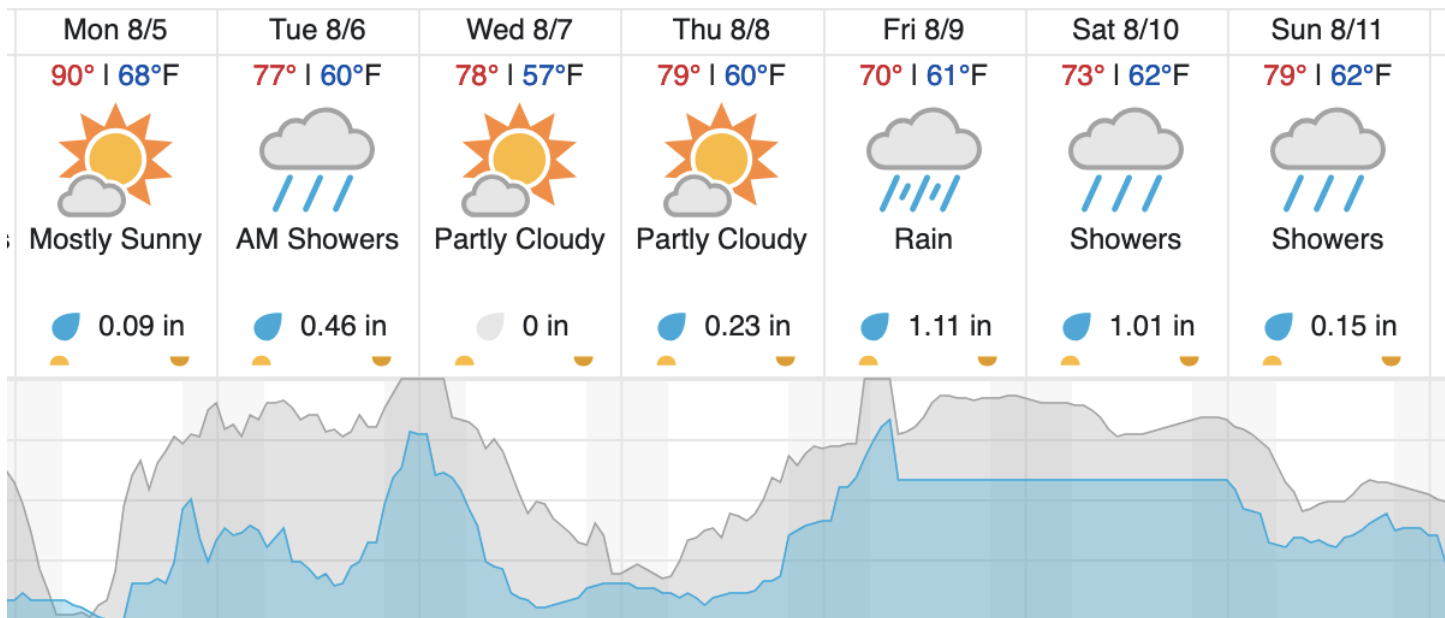
Petersham, MA (HARV)



Bartlett, NH (BART)



Nashua, NH (FBO)



source: wunderground.com

Flight Collection Plan for 05 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: 1340 UTC / 0940 L

Flyority 2:

Collection Area: Bartlett Experimental Forest (BART)
 Flight Plan Name: D01_BART_R1_P1_v2_PRM.xml
 On-station Time: 1340 UTC / 0940 L

Flyority 3:

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01_HOPB_A1_P1_v2_PRM.xml

On-station Time: 1340 UTC / 0940 L

Flyority 4:

Collection Area: Harvard Forest – Priority 2 (HARV_P2)

Flight Plan Name: D01_HARV_C1_P1__P2_v4_PRM.xml

On-station Time: 1340 UTC / 0940 L

Flyority 5:

Collection Area: Nominal Runway – D01

Flight Plan Name: D01_N01A_Nominal_Runway_Test_v2_PRM.xml

On-station Time: NA

Crew: Mitch (Lidar), Cam (NIS)