



Payload 3 Daily Flight Report



Date: 2022-08-02

Flight Campaign ID: P3C1

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

Aircraft: N70AR

Domain: 01 (Northeast)

Sites Flown: None

Days left in Domain: 24

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: John

Hours until maintenance: 81.27

Pilots: Justin , Magnus

Summary

First eligible day of flights here in D01; both sites were socked in early. Harvard Forest improved slightly throughout the day, but not nearly clear enough for green conditions. No flights were conducted.

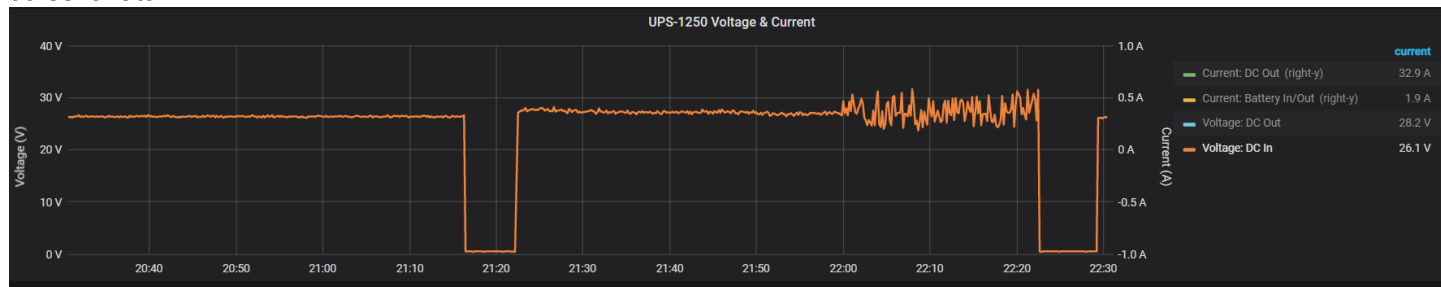
Concerns

A Twin Otter mechanic arrived this afternoon to repair the beta backup (i.e. “flux capacitor”) on N70AR. This required some ramp time on the GPU while run ups were conducted to test the fix. After about 40 minutes of running, the gas GPU provided by the FBO started getting a little shaky, with voltage jumping around beyond comfort level. Current thought is that the GPU was overheating, but as this is the only operational gas GPU owned by the FBO, we’ll continue to monitor as the domain goes on.

Comments

New adapter was built today which will allow us the flexibility of swapping hangars should our current hangar become too crowded.

Screenshots



Pictures



Above: Joe the Mechanic works his magic as Pilot Justin looks on in wonder.

Cumulative Domain Coverage

D01 | BART (Bartlett Experimental Forest)

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	30	31	32	33	34	35	36				

Flown: 0% (0/36)
Green: 0% (0/36)
Yellow: 0% (0/36)
Red: 0% (0/36)

D01 | HARV_P1 (Harvard Forest Priority 1)

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% (0/29)
Green: 0% (0/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

D01 | HARV_P2 (Harvard Forest Priority 2)

30	31	32	33	34	35	36	37
----	----	----	----	----	----	----	----

Flown: 0% (0/8)

Green: 0% (0/8)
Yellow: 0% (0/8)
Red: 0% (0/8)

D01 | HOPB (Hop Brook)

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

Flown: 0% (0/10)
Green: 0% (0/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

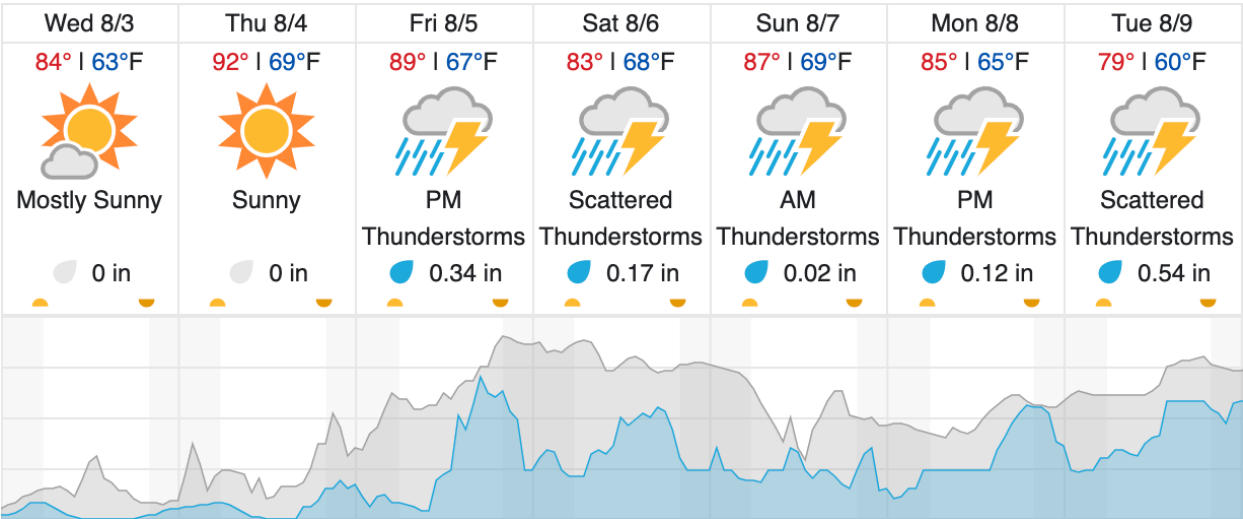
D01 | R01A (FLARE Radiometric Calibration Flight Plan - New Hampshire)

1	2
---	---

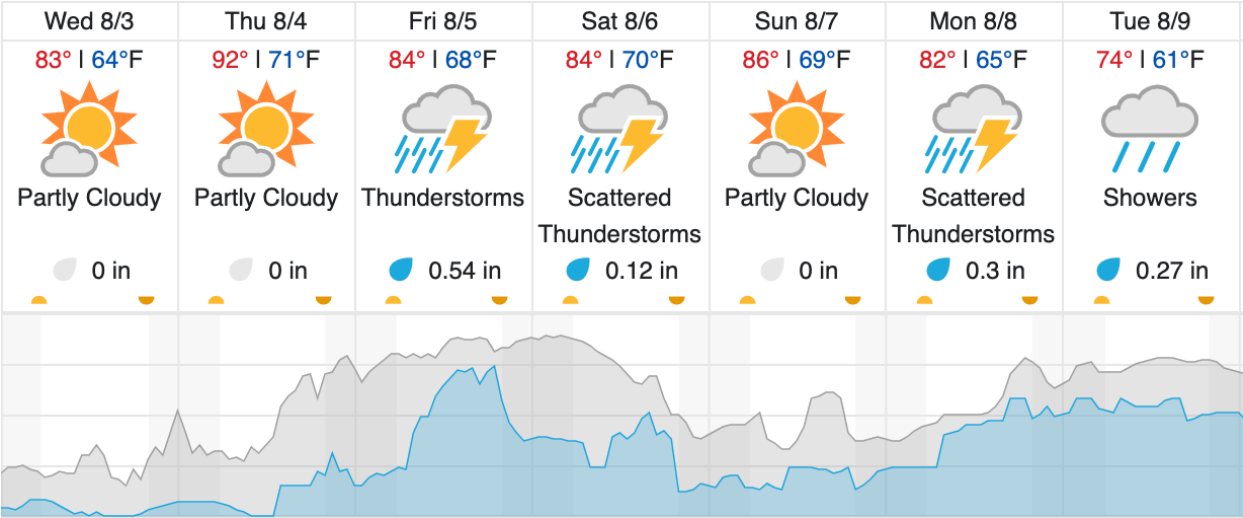
Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

Weather Forecast

Petersham, MA (HARV)



Bartlett, NH (BART)



Cloud Cover (%)	Chance of Precip. (%)
-----------------	-----------------------

source: wunderground.com

Flight Collection Plan for 03 August 2022

Flyority 1:

Collection Area: Harvard Forest – Priority 1 (HARV_P1)

Flight Plan Name: D01_HARV_C1_P1_v3_Q780

On-station Time: 1330 UTC / 0930 L

Flyority 2:

Collection Area: Bartlett Experimental Forest (BART)

Flight Plan Name: D01_BART_R1_P1_v1_Q780

On-station Time: 1330 UTC / 0930 L

Flyority 3:

Collection Area: Hop Brook (HOPB)

Flight Plan Name: D01_HOPB_A1_P1_v1_Q780

On-station Time: 1330 UTC / 0930 L

Flyority 4:

Collection Area: Harvard Forest – Priority 2 (HARV_P2)

Flight Plan Name: D01_HARV_C1_P2_v3_Q780

On-station Time: 1330 UTC / 0930 L

Flyority 5:

Collection Area: FLARE Radiometric Calibration Flight Plan – New Hampshire

Flight Plan Name: D01_R01A_FLARE_1000m_v2_Q780

On-station Time: 1330 UTC / 0930 L

Crew: John, Mitch