



Payload 1 Daily Flight Report



Date: 2024-08-24
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: 14

Report Author: Abe
Lidar Operators: Abe
Spectrometer Operators: Elissa
Pilots: Justin, Jacob
Flight Hours: 00:00
Hours until maintenance: 62.93
GPS Instruments: 07 - KASH, AOP_HARV

Summary

Clear skies this morning had the crew mobilizing for a flight to the HARV site. Unfortunately, the payload power distribution box (Axe) had different ideas. After tow-out and during system startups, several power failures were experienced. These power failures were previously attributed to the FBOs GPU, but today the crew realized it was actually an Axe failure. This failure was identified when the “survey” voltage was seen bleeding over to the “ground” leg on the axe displays. With the risk involved with this power failure the crew decided to cancel the flight and turned attention to troubleshooting with lab staff. The axe was deenergized and removed from the plane. The crew, with the assistance remotely from the lab staff, inspected the interior of the axe for any anomalies and none were found. More troubleshooting pointed toward some component failures within the axe and those components were swiftly shipped to the crew. Expected arrival is Tuesday.

Concerns

-Axe power failures. Parts expected on Tuesday. Flights will be on hold until the repair is made due to safety concerns.

Comments

-John arrived in D01 today. Howdy John!

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: 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)

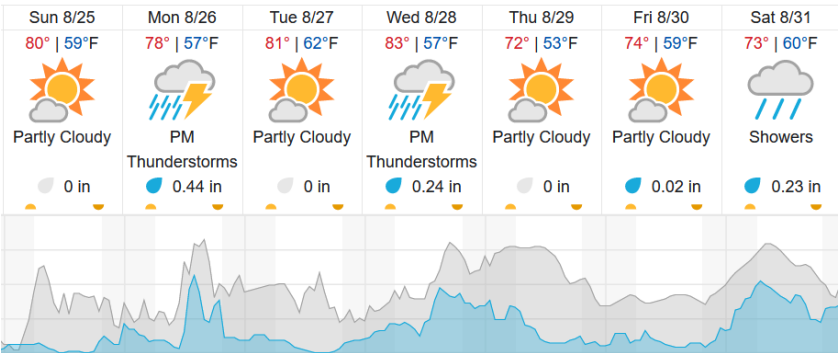
D01 | N01A (D01 Nominal Runway)

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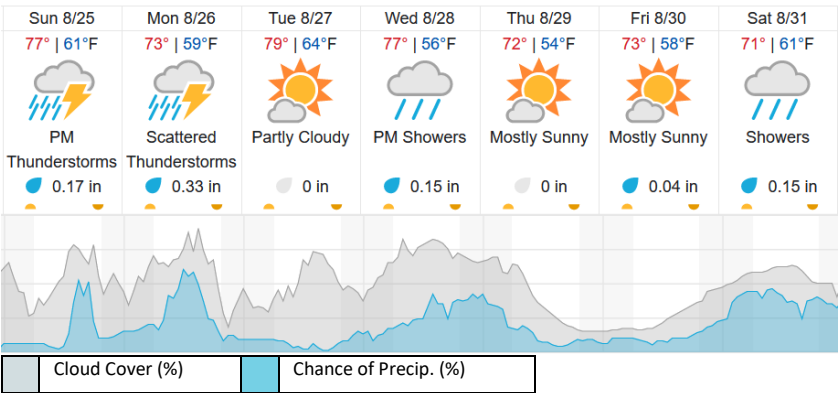
Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 100% (2/2)
Red: 0% (0/2)

Weather Forecast

Petersham, MA (HARV)



Bartlett, NH (BART)



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 25 August 2024

No flights planned. Awaiting Axe repair parts.

Crew: Elissa, Abe, John