



## August 11, 2019 Payload 1 Daily Flight Report



**Date:** 2019-08-11

**Flight Campaign ID:** 2019\_P1C1

**Airport, FBO ID, City:** Manchester-Boston Regional Airport (KMHT) - Manchester, NH

**Domain:** 01

**Sites Flown:** HARV\_P1 (Harvard Forest Priority 1) + Transit (KASH -> KMHT)

**Days left in Domain:** 24

**Report Author:** Matt DeVoe

**Flight Crew:** Matt DeVoe, Mitch Haynes

**Ground/GPS:** None

**Pilots:** Justin Eddington, Jeff Quintanilla

**Additional Personnel:**

**GPS Instruments:** 05 - FBO\_KASH, AOP\_HARV

**Flight Hours:** 02:04 + 00:13

**Hours until maintenance:** 53.27

### Summary

Clear skies around Harvard Forest quickly turned to yellow and eventually red conditions due to cumulous clouds at our collection altitude. We RTB'd after 7 lines and a cross-strip.

Due to runway maintenance at KASH, we've relocated to the Signature FBO in Manchester, NH (KMHT). Expect to move back to KASH near the end of the week.

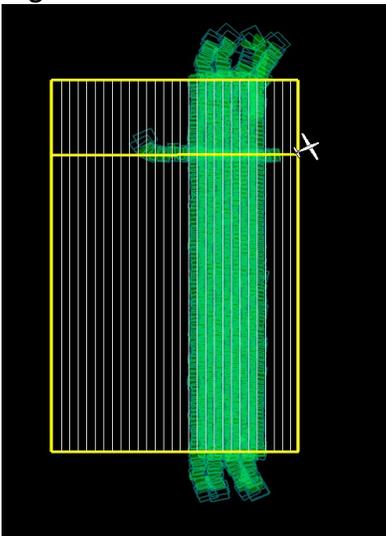
### Concerns

- Possible TFR around KMHT for Aug 15<sup>th</sup> presidential visit. Unsure of impact to flights

### Comments

None

### Flight Screenshots: LIDAR



**Pictures: HARV tower site with shadowing**



**Daily Coverage**

D01 HARV_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
Flown:	9							

**Cumulative Domain Coverage**

**BART**

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)

**HARV\_P1**

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: 31% (9/29)  
 Green: 3% (1/29)  
 Yellow: 21% (6/29)  
 Red: 7% (2/29)

### HARV\_P3

30	31	32	33	34	35	36	37
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Flown: 0% (0/8)  
 Green: 0% (0/8)  
 Yellow: 0% (0/8)  
 Red: 0% (0/8)

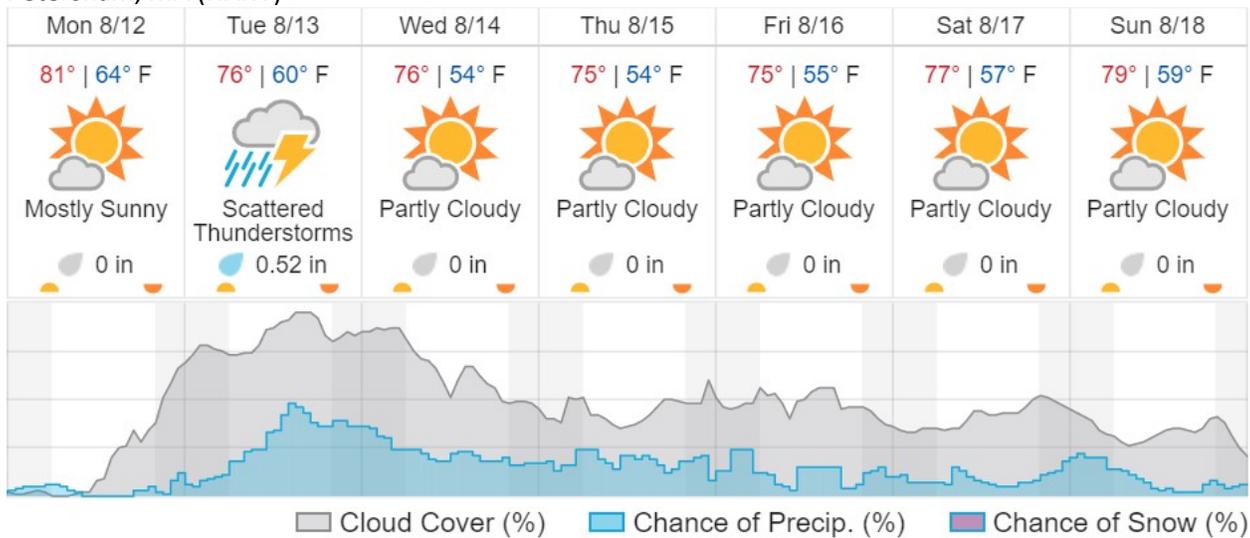
### N01A

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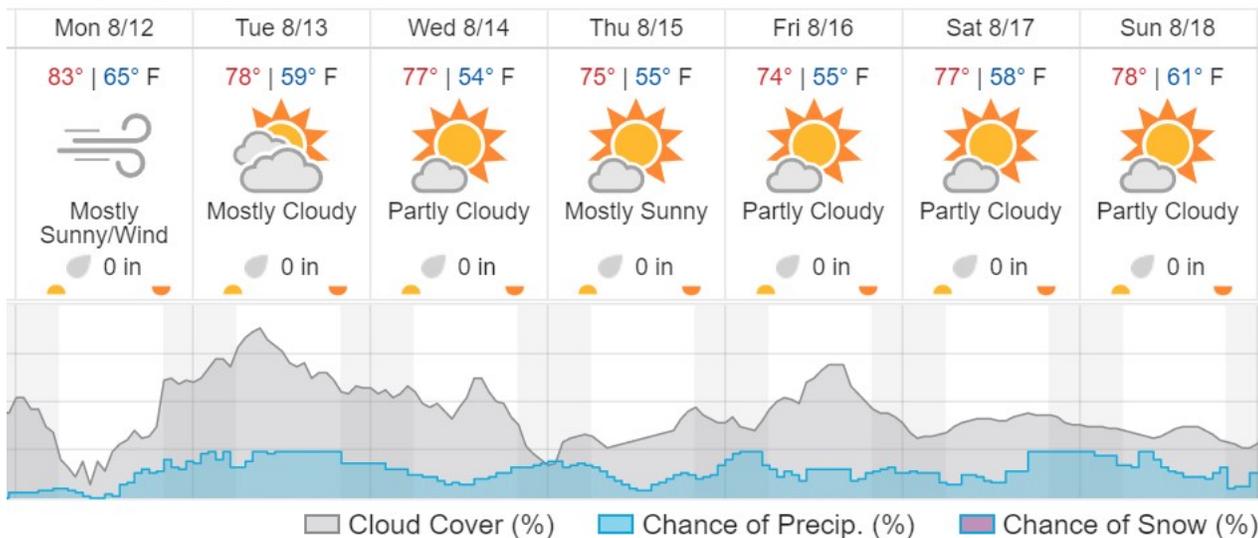
Flown: 0% (0/1)  
 Green: 0% (0/1)  
 Yellow: 0% (0/1)  
 Red: 0% (0/1)

### Weather Forecast

Petersham, MA (HARV)



Bartlett, NH (BART)



## **Flight Collection Plan for 12 Aug 2019**

### **Flyority 1:**

Collection Area: Harvard Forest – Priority 1 (HARV\_P1)

Flight Plan Name: D01\_HARV\_C1\_P1\_v1.pln

On-station Time: 1340 UTC / 0940 L

### **Flyority 1:**

Collection Area: Bartlett Experimental Forest (BART)

Flight Plan Name: D01\_BART\_R1\_P1\_v1.pln

On-station Time: 1340 UTC / 0940 L

### **Flyority 3:**

Collection Area: Harvard Forest – Priority 2 (HARV\_P3)

Flight Plan Name: D01\_HARV\_C1\_P3\_v1.pln

On-station Time: 1340 UTC / 0940 L

**Crew:** Mitch Haynes (Lidar), Matt DeVoe (NIS/GPS)