



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.

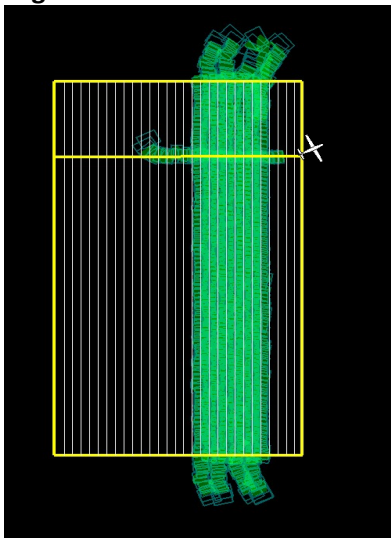
Concerns

- Possible TFR around KMHT for Aug 15th 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)

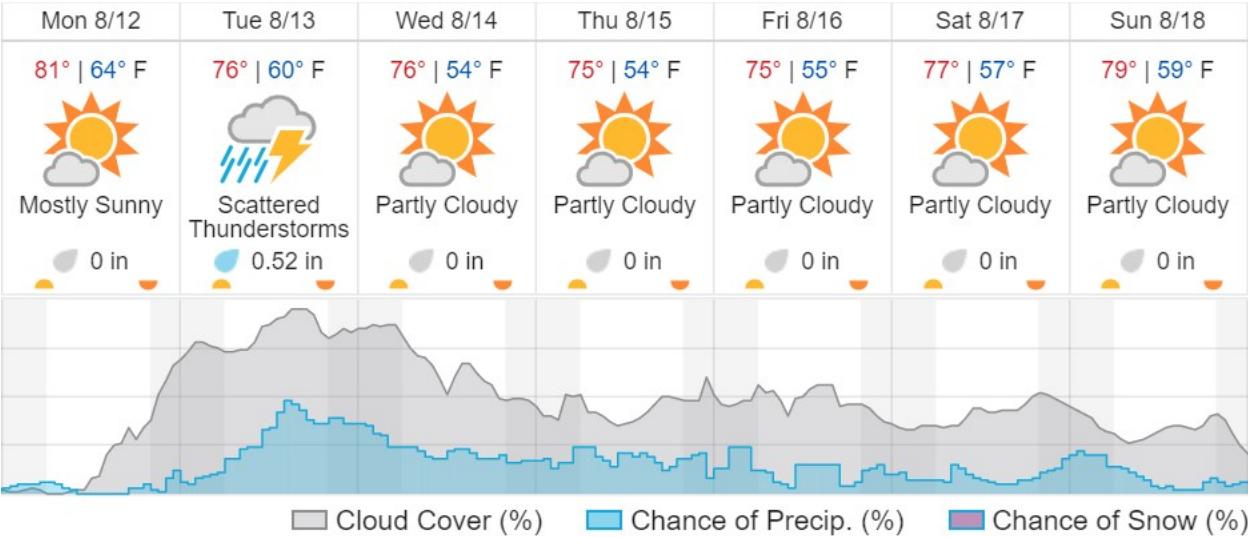
N01A

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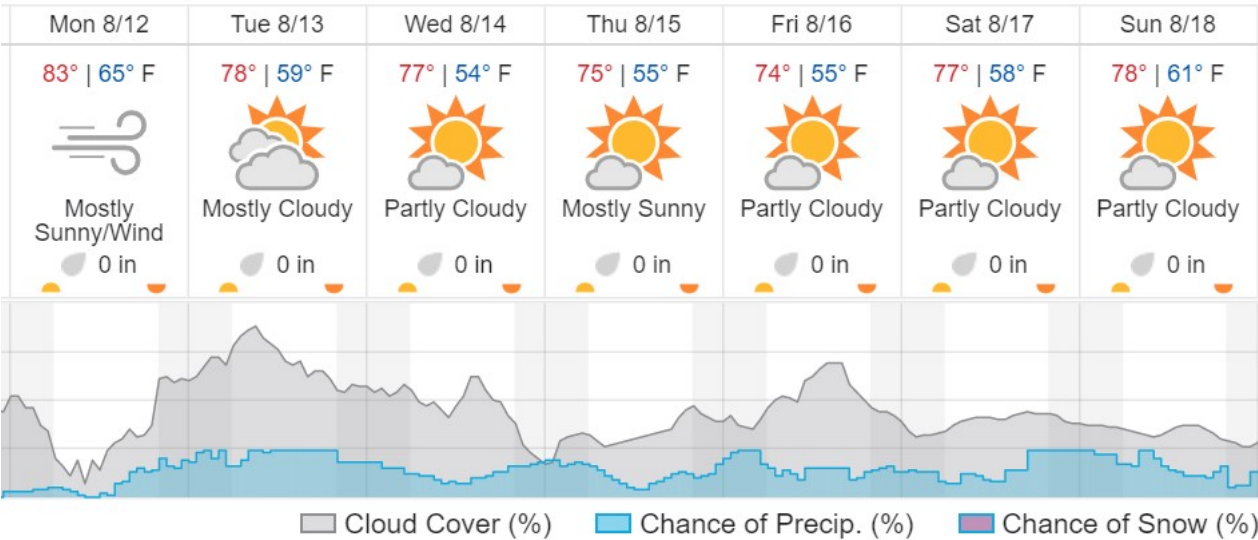
Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

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)