



August 20, 2019 Payload 1 Daily Flight Report



Date: 2019-08-20

Flight Campaign ID: 2019_P1C1

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

Domain: 01

Sites Flown: HARV_P1 (Harvard Forest Priority 1)

Days left in Domain: 14

Report Author: Abe Morrison

Flight Crew: Abe Morrison, John Adler

Ground/GPS:

Pilots: Justin Eddington, Todd Tumolo

Additional Personnel:

GPS Instruments: 05 - FBO_KASH, AOP_HARV

Flight Hours: 04:02

Hours until maintenance: 47.28

Summary

The birds were chirping and the sun was out all day today in the Northeast! The crew took to the sky in clear “green” sky conditions. They collected 20 very long lines (20km) at the HARV P1 flight box and a cross strip.

Concerns

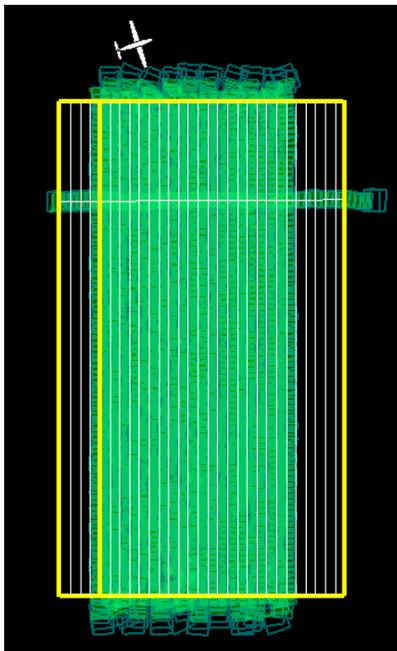
None

Comments

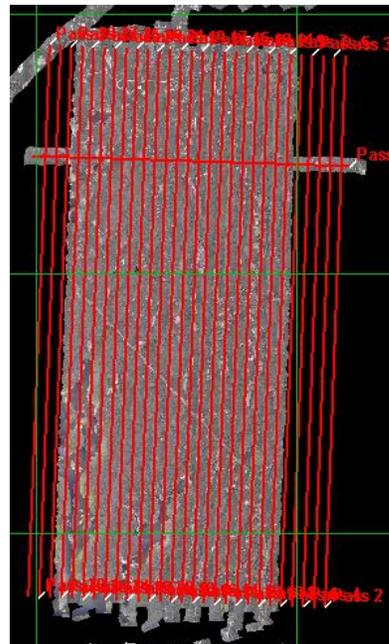
None

Flight Screenshots

Lidar



NIS



Daily Coverage

D01 HARV_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
Flown:	21							

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: 76% (22/29)

Green: 76% (22/29)

Yellow: 21% (6/29)

Red: 7% (2/29)

HARV_P3

1	2	3	4	5	6	7	8
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Flown: 100% (8/8)

Green: 0% (0/8)

Yellow: 100% (8/8)

Red: 0% (0/8)

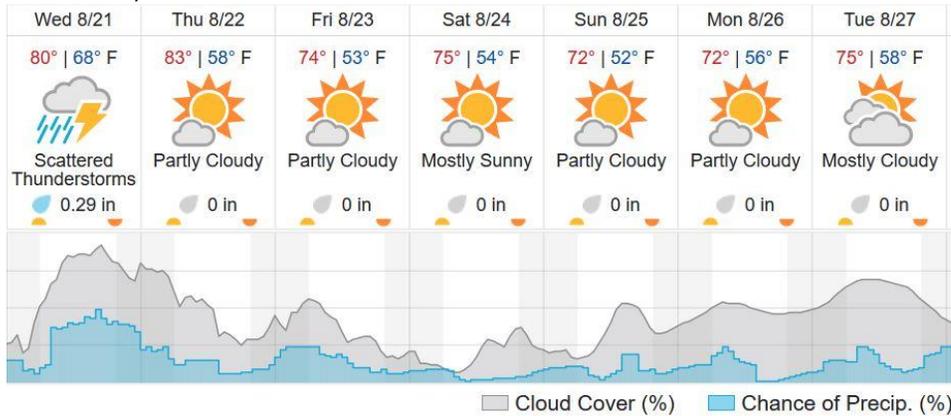
N01A

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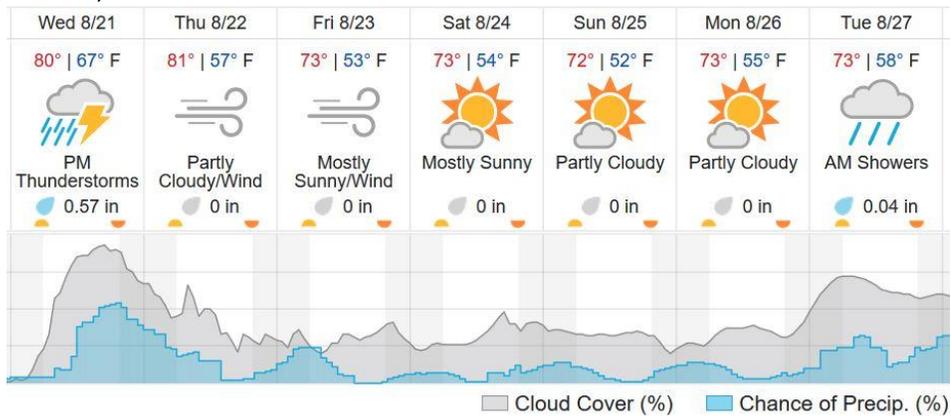
Flown: 0% (0/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

Weather Forecast

Petersham, MA



Bartlett, NH



Flight Collection Plan for 21 August 2019

Flyority 1:

Collection Area: Harvard Forest – Priority 1 (HARV_P1)
 Lines 2-5, and 27-29
 Flight Plan Name: D01_HARV_C1_P1_v1.pln
 On-station Time: 1344 UTC / 0944 L

Flyority 1:

Collection Area: Bartlett Experimental Forest (BART)
 Flight Plan Name: D01_BART_R1_P1_v1.pln
 On-station Time: 1344 UTC / 0944 L

Flyority 3:

Collection Area: Harvard Forest – Priority 2 (HARV_P3) ****If green sky conditions****
 Flight Plan Name: D01_HARV_C1_P3_v1.pln
 On-station Time: 1344 UTC / 0944 L

Crew: John Adler (Lidar), Abe Morrison (NIS)