



September 5, 2018 Payload 2 Daily Flight Report



Date: 2018-09-05

Flight Campaign ID: 2018_P2C1

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

Domain: 01

Sites Flown: HARV_P1 (Harvard Forest Priority 1)

Days left in Domain: 8

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Michael Wussow

Ground/GPS: None

Pilots: Gina Moore, Mike Francis

Additional Personnel:

GPS Instruments: 05 - FBO_KASH, 07 - HARV

Flight Hours: 02:06

Hours until maintenance: 116.93

Summary

The skies cleared this afternoon allowing the crew to finish the initial collect over HARV. Collected 7 full lines and 2 partial lines in yellow sky conditions. The 2 partial lines flow today covered data gaps we had from eye safety shutoffs the other day.

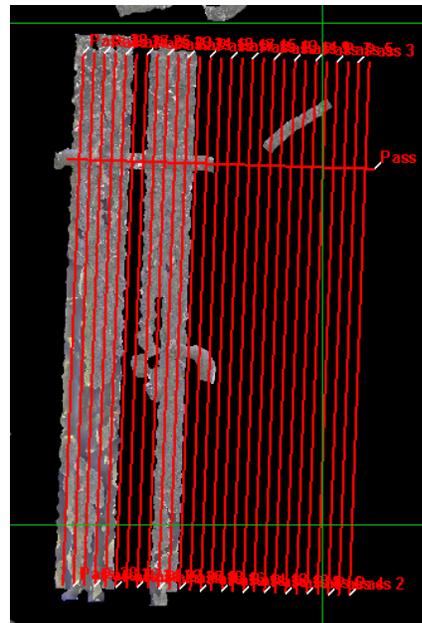
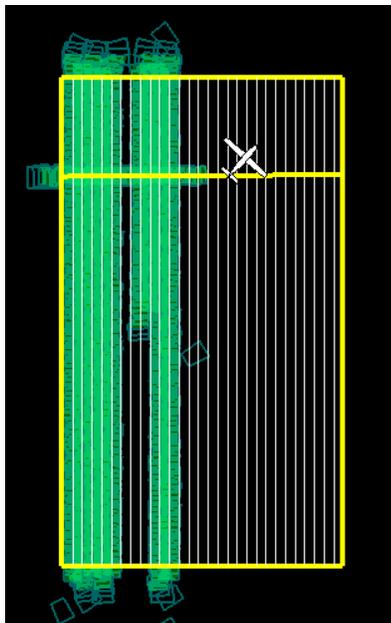
Concerns

None

Comments

--Mitch Haynes arrives today to join the crew

Flight Screenshots



Pictures



Sky Conditions today over HARV. Photo by Michael Wussow

Daily Coverage

| D01 HARV_P1 | Line | SpecG | SpecY | SpecR | NIS | Lidar | Camera | Cumulative |
|---------------|------|-------|-------|-------|-----|-------|--------|------------|
| | 1 | | | | ✓ | ✓ | ✓ | NLC |
| | 19 | | | | ✓ | ✓ | ✓ | NLC |
| | 20 | | | | ✓ | ✓ | ✓ | NLC |
| | 21 | | | | ✓ | ✓ | ✓ | NLC |
| | 22 | | | | ✓ | ✓ | ✓ | NLC |
| | 25 | | | | ✓ | ✓ | ✓ | NLC |
| | 26 | | | | ✓ | ✓ | ✓ | NLC |
| | 27 | | | | ✓ | ✓ | ✓ | NLC |
| | 28 | | | | ✓ | ✓ | ✓ | NLC |
| | 29 | | | | ✓ | ✓ | ✓ | NLC |
| Flown: | 10 | | | | | | | |

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: 100% (29/29)

Green: 0% (0/29)

Yellow: 45% (13/29)

Red: 69% (20/29)

HARV_P3



Flown: 100% (8/8)
 Green: 0% (0/8)
 Yellow: 0% (0/8)
 Red: 100% (8/8)

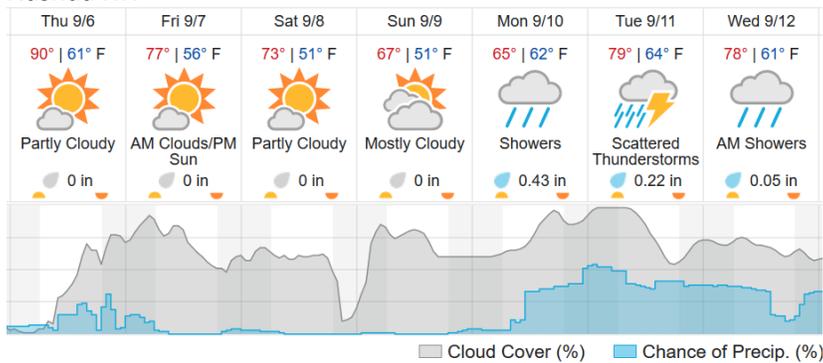
N01A



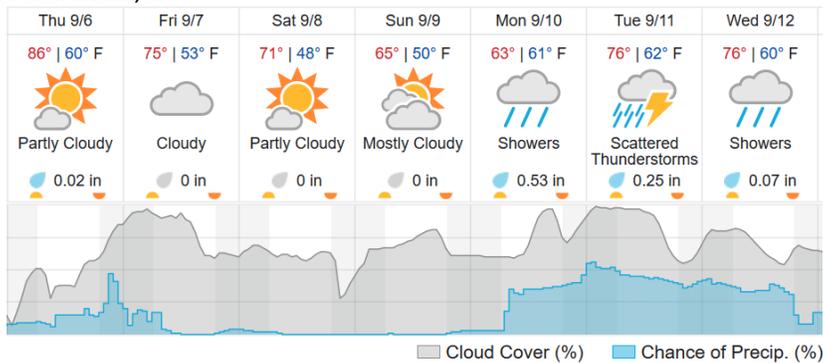
Flown: 100% (1/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 100% (1/1)

Weather Forecast

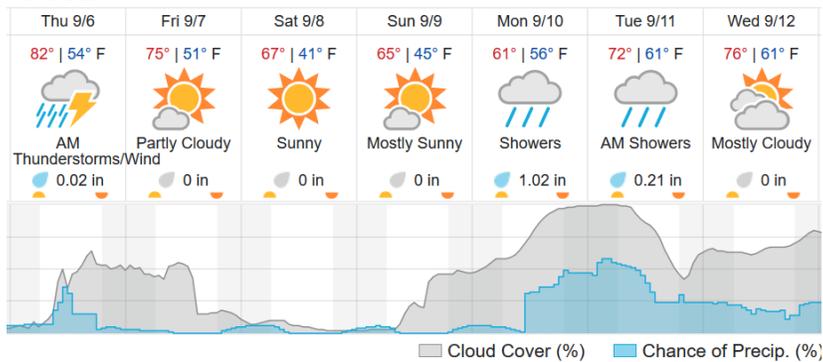
Nashua NH



Petersham, MA



Bartlett NH



Flight Collection Plan for 06 Sept 2018

Flyority 1:

Collection Area: Harvard Forest – Priority 1 (HARV_P1)

Flight Plan Name: D01_HARV_C1_P1_v1.pln

On-station Time: 1410 UTC / 1010 L

****Only if green conditions exist****

Flyority 2:

Collection Area: Bartlett Experimental Forest (BART)

Flight Plan Name: D01_BART_R1_P1_v1.pln

On-station Time: 1410 UTC / 1010 L

Flyority 3:

Collection Area: Harvard Forest – Priority 2 (HARV_P3)

Flight Plan Name: D01_HARV_C1_P3_v1.pln

On-station Time: 1410 UTC / 1010 L

****Only if green conditions exist****

Crew: Michael Wussow (Lidar), Abe Morrison (NIS), Mitch Haynes (Ground)