



August 12, 2019 Payload 1 Daily Flight Report



Date: 2019-08-12

Flight Campaign ID: 2019_P1C1

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

Domain: 01

Sites Flown: HARV_P3 (Harvard Forest Priority 3)

Days left in Domain: 22

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Matt DeVoe

Flight Hours: 01:48

Ground/GPS:

Hours until maintenance: 51.47

Pilots: Jeff Quintanilla, Justin Eddington

Additional Personnel:

GPS Instruments: AOP_HARV, 05 - FBO_KMHT

Summary

Departed Manchester in hopes of clear skies over HARV this morning, but were greeted by a high cirrus layer that had moved into the region. At this juncture the decision was to fly the lower priority, less likely to be re-flown priority 3 box under yellow conditions.

Concerns

None

Comments

None

Daily Coverage

| D01 HARV_P3 | Line | SpecG | SpecY | SpecR | NIS | Lidar | Camera | Cumulative |
|---------------|------|-------|-------|-------|-----|-------|--------|------------|
| | 1 | | | | ✓ | ✓ | ✓ | NLC |
| | 2 | | | | ✓ | ✓ | ✓ | NLC |
| | 3 | | | | ✓ | ✓ | ✓ | NLC |
| | 4 | | | | ✓ | ✓ | ✓ | NLC |
| | 5 | | | | ✓ | ✓ | ✓ | NLC |
| | 6 | | | | ✓ | ✓ | ✓ | NLC |
| | 7 | | | | ✓ | ✓ | ✓ | NLC |
| | 8 | | | | ✓ | ✓ | ✓ | NLC |
| Flown: | 8 | | | | | | | |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

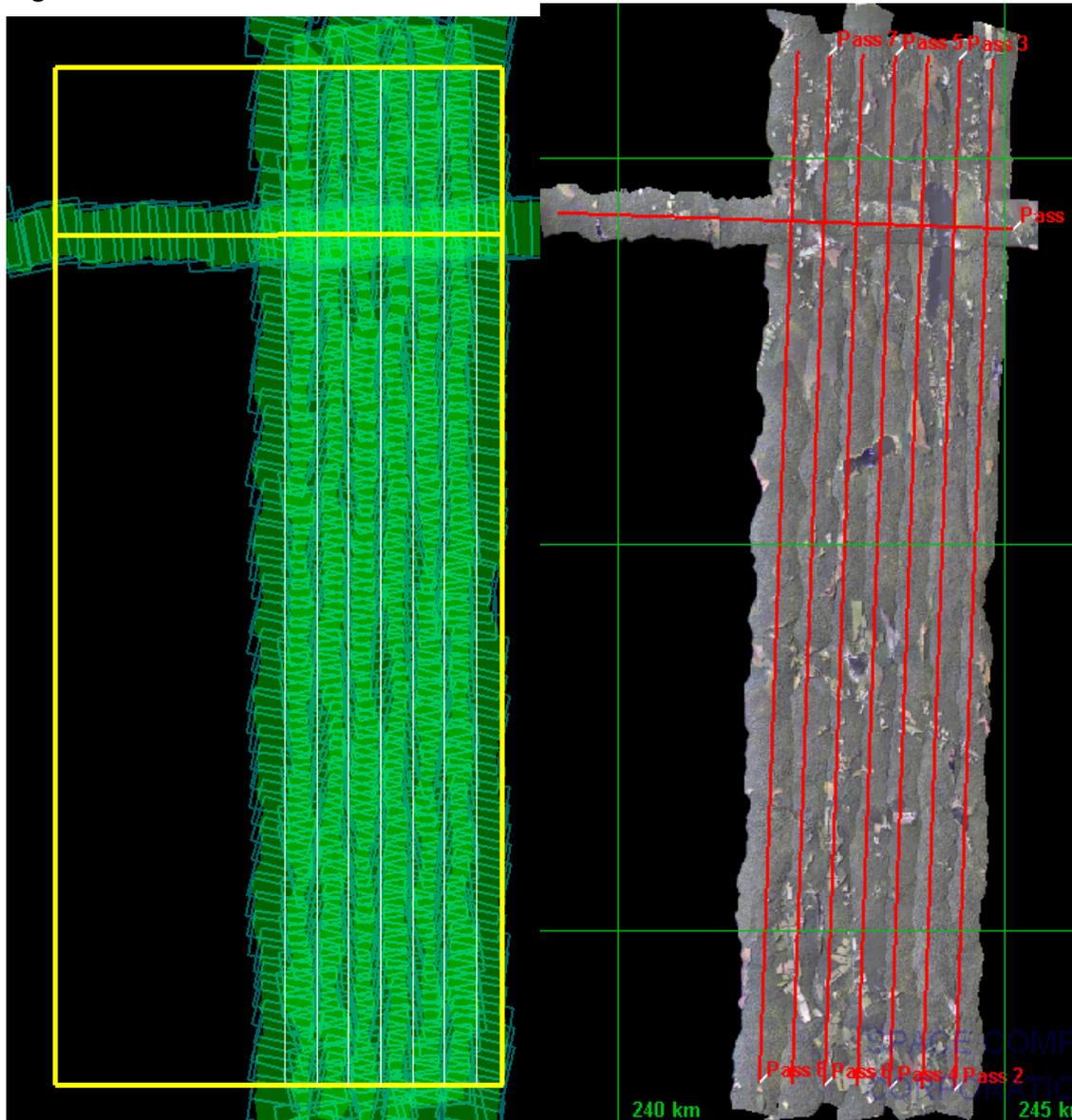
Flown: 100% (8/8)
Green: 0% (0/8)
Yellow: 100% (8/8)
Red: 0% (0/8)

N01A

| |
|---|
| 1 |
|---|

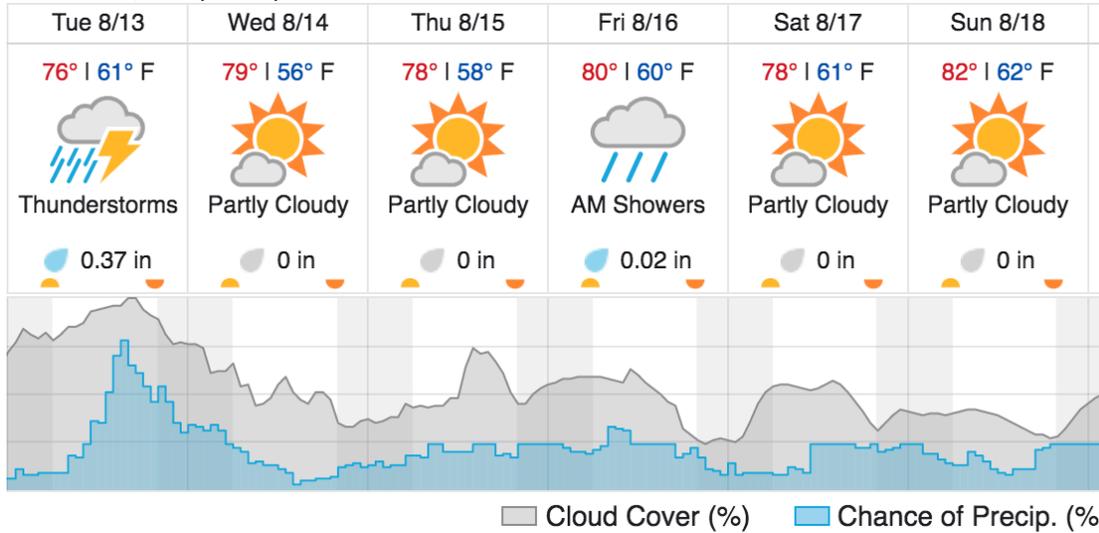
Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

Flight Screenshots

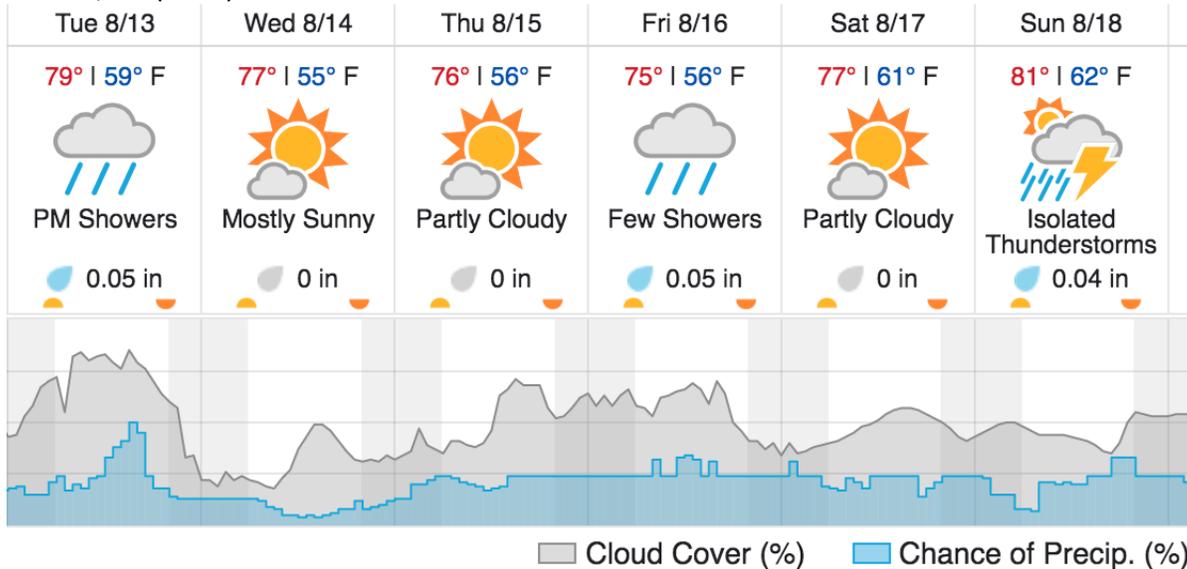


Weather Forecast

Petersham, MA (HARV)



Bartlett, NH (BART)



Flight Collection Plan for 13 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: Matt DeVoe (Lidar), Mitch Haynes (NIS/GPS)