



June 1, 2019 Payload 3 Daily Flight Report



Date: 2019-06-01

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI

Domain: 05

Sites Flown: N/A

Days left in Domain: 21

Report Author: Ivana Vu

Flight Crew: Robb Walker, Ivana Vu

Ground/GPS: Michael Wussow

Pilots: Gina Moore, Jeff Quintanilla

Additional Personnel: N/A

GPS Instruments: N/A

Flight Hours: 00:00

Hours until maintenance: 36.32

Summary

Smoke from the wildfires in Alberta and Northwestern Canada seemed to dissipate, but low stratus and cumulus clouds lingered throughout the day and prevented flights. Tomorrow morning is forecasted to be clear.

Concerns

NIS solenoid opened through NGIS Host even though chamber pressure was lower than vacuum pump pressure

Comments

- Vacuum pump is being run overnight to verify functionality of the replacement pressure transducer – NIS manifold valve will remain closed to ensure the payload is ready for collections tomorrow
- Hg Lamp Test for D05 completed

Pictures

Screenshot from AOP tower camera showing cloud cover at UNDERC site



Cumulative Domain Coverage

CHEQ

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|

Flown: 0% (0/17)

Green: 0% (0/17)

Yellow: 0% (0/17)

Red: 0% (0/17)

STEI_TREE_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 | | | | | | | | | | | | | | |

Flown: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

STEI_TREE_P2

| | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

Flown: 0% (0/19)

Green: 0% (0/19)

Yellow: 0% (0/19)

Red: 0% (0/19)

UNDE

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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: 0% (0/29)

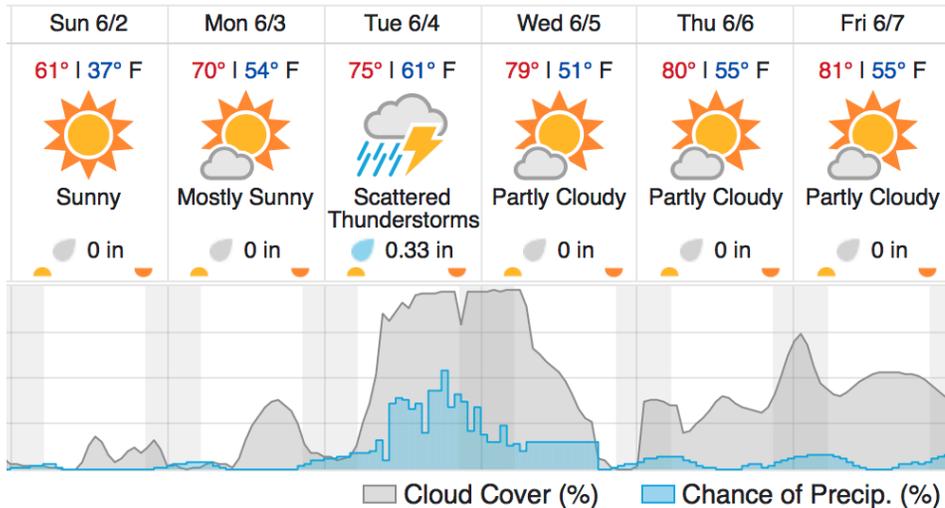
Green: 0% (0/29)

Yellow: 0% (0/29)

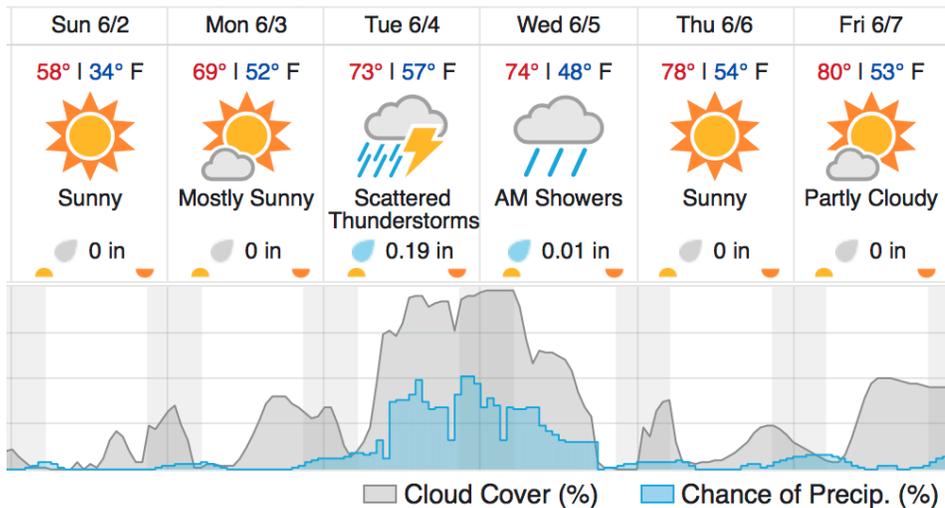
Red: 0% (0/29)

Weather Forecast

Rhineland, WI (FBO, CHEQ, STEI_TREE)



Land O'Lakes, WI (UNDE)



Flight Collection Plan for 1 June 2019

Flyority 1

Collection Area: UNDERC (UNDE)

Flight Plan Name: D05_UNDE_C1_P1_v2_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Flyority 2

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 1 Flight Box

Flight Plan Name: D5_STEI_TREE_R1_P1_v3_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Flyority 3

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 2 Flight Box

Flight Plan Name: D5_STEI_TREE_R1_P2_v3_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Flyority 4

Collection Area: Chequamegon-Nicolet National Forest (CHEQ)

Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Crew: Mike Wussow (Lidar), Ivana Vu (NIS), Robb Walker (GPS/Ground)

Flight Collection Plan for 2 June 2019

Flyority 1-4: Same as previous day

Crew: Robb Walker (Lidar), Mike Wussow (NIS), Ivana Vu (GPS/Ground)