



## June 6, 2019 Payload 3 Daily Flight Report



**Date:** 2019-06-06

**Flight Campaign ID:** 2019\_P3C1

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

**Domain:** 05

**Sites Flown:** STEI\_TREE\_P2 (Steigerwaldt Land Services and Treehaven Priority 2), UNDE (University of Notre Dame Environmental Research Center)

**Days left in Domain:** 16

**Report Author:** Robb Walker

**Flight Crew:** Robb Walker, Michael Wussow

**Ground/GPS:** Ivana Vu

**Pilots:** Gina Moore, Jeff Quintanilla

**Additional Personnel:**

**GPS Instruments:** AOP\_UNDE, WISCORS-RHER

**Flight Hours:** 00:33, 02:58

**Hours until maintenance:** 29.50

### Summary

Payload 3 took to the skies this morning with "Green" conditions on tower cam, but quickly turned into an observation flight. Flight was aborted in hopes of better forecast conditions this afternoon. Waiting payed off and we were able to collect all of the airshed priority lines under green conditions and some additional initial coverage of STEI priority box 2.

### Concerns

None

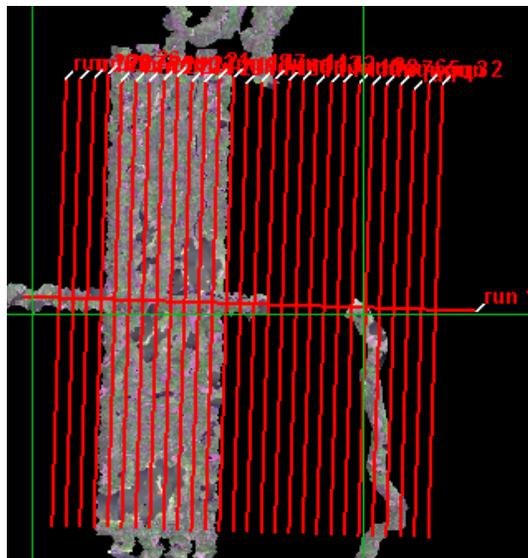
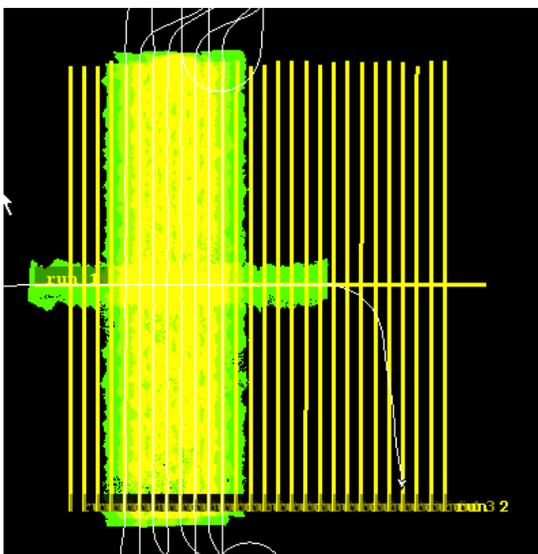
### Comments

-Conducted tour with NEON domain staff after second flight today. Thanks for coming out!

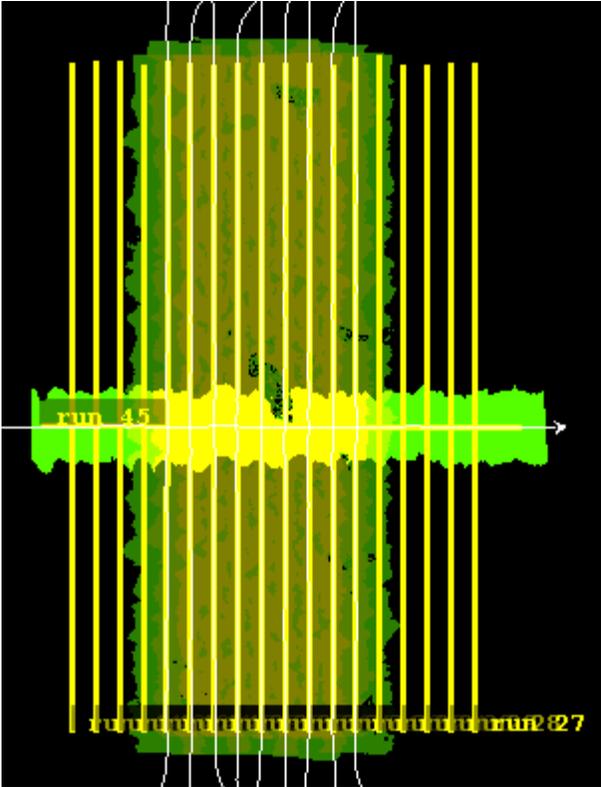
-Teldat power was cycled to after second flight and successfully corrected telemetry internet connectivity issue.

-Vacuum pump will be shipped back to Boulder tomorrow per Ian's request.

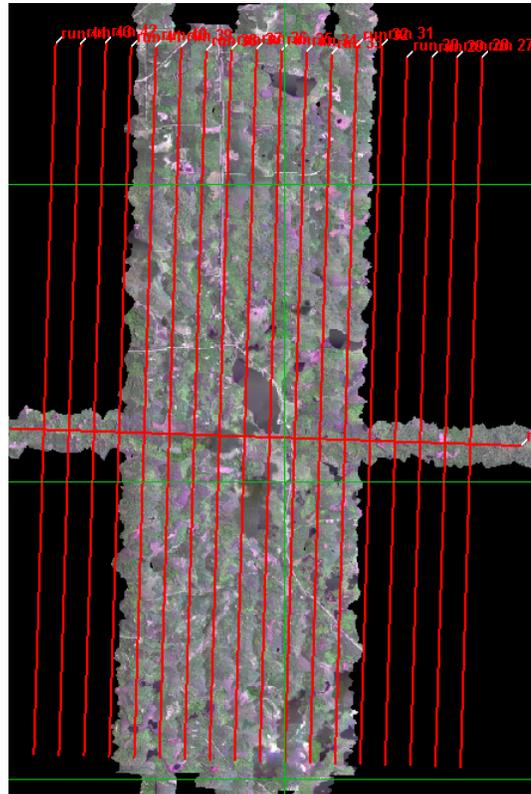
### Flight Screenshots



UNDE (Lidar)



UNDE (NIS)



STEI\_P2 (LIDAR)

STEI\_P2 (NIS)

Pictures

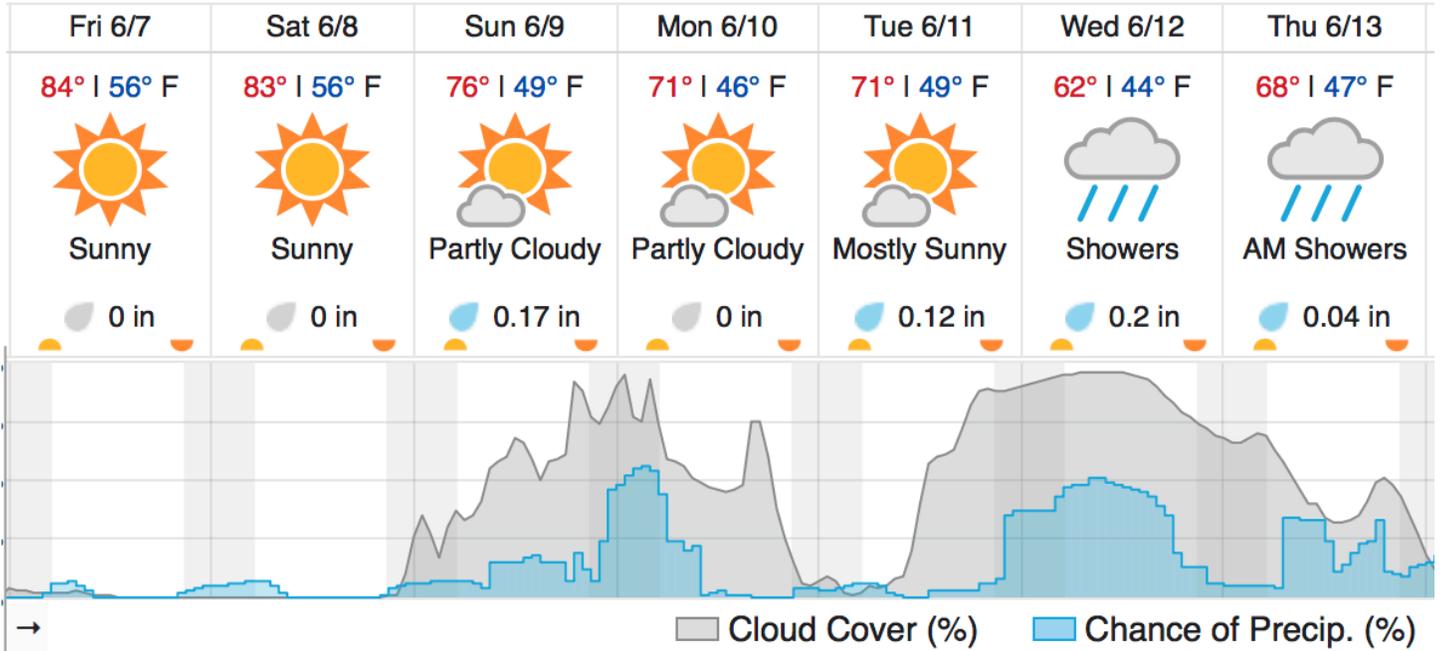


NEON domain staff tour.

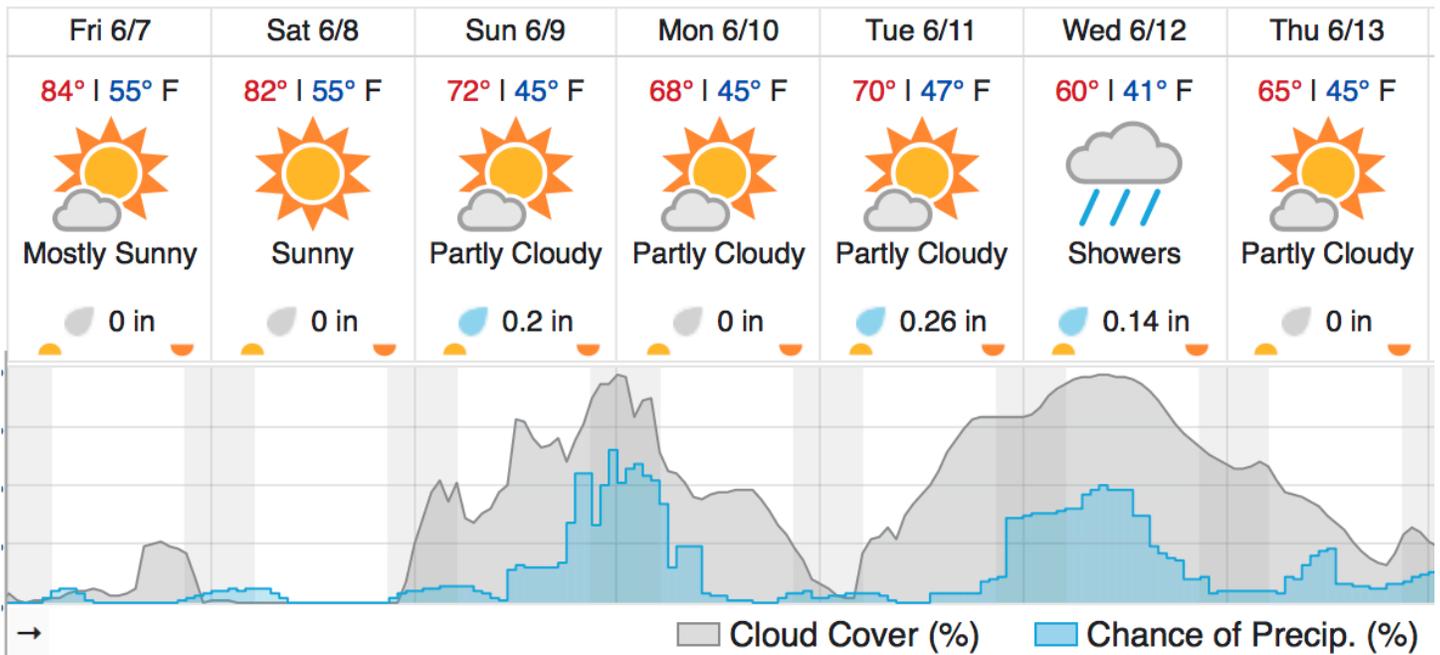


Flown: 31% (9/29)  
 Green: 31% (9/29)  
 Yellow: 0% (0/29)  
 Red: 0% (0/29)

**Weather Forecast**  
 Rhinelander, WI



Land O'Lakes, WI



## **Flight Collection Plan for 07 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

\*If green conditions exist and other sites are completed in green

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

## **Flight Collection Plan for 08 June 2019**

**Flyority 1-4:** Same as previous day

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