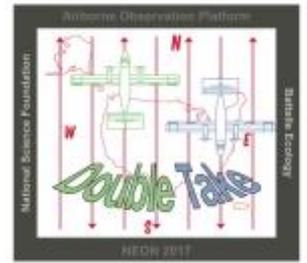




## 2017\_P1C1 Daily Report



**Flight Campaign ID:** 2017\_P1C1

**FBO ID & City:** Rhineland-Oneida County (KRHI) - Rhineland, WI

**Domain:** 05

**Sites Flown:** CHEQ, LIRO

**Days left in Domain:** 1

**Flight Hours:** 00:18+02:35 = 03:53

**Hours until maintenance:** 108.17

**Date:** 2017-09-11

**Report Author:** Mitch Haynes

**Pilots:** Grant Frost, Randy Schneider

**Flight Crew:** Mitch Haynes, Abe Morrison

**Ground/GPS:**

**Additional Personnel:**

### **GPS Instruments:**

WISCORS - RHER, WISCORS - MAWA, WISCORS - LYNE

### **Summary:**

After a morning "shake out" flight failed to open the NIS shutter, the flight crew worked with the AOP Lab to uninstall the shutter plate from the spectrometer. Following its removal, Chequamegon-Nicolet National Forest (CHEQ) and Little Rock Lake (LIRO) were both flown in their entirety under green conditions. (4 lines of LIRO were flown after sun angle).

### **Issues/Concerns:**

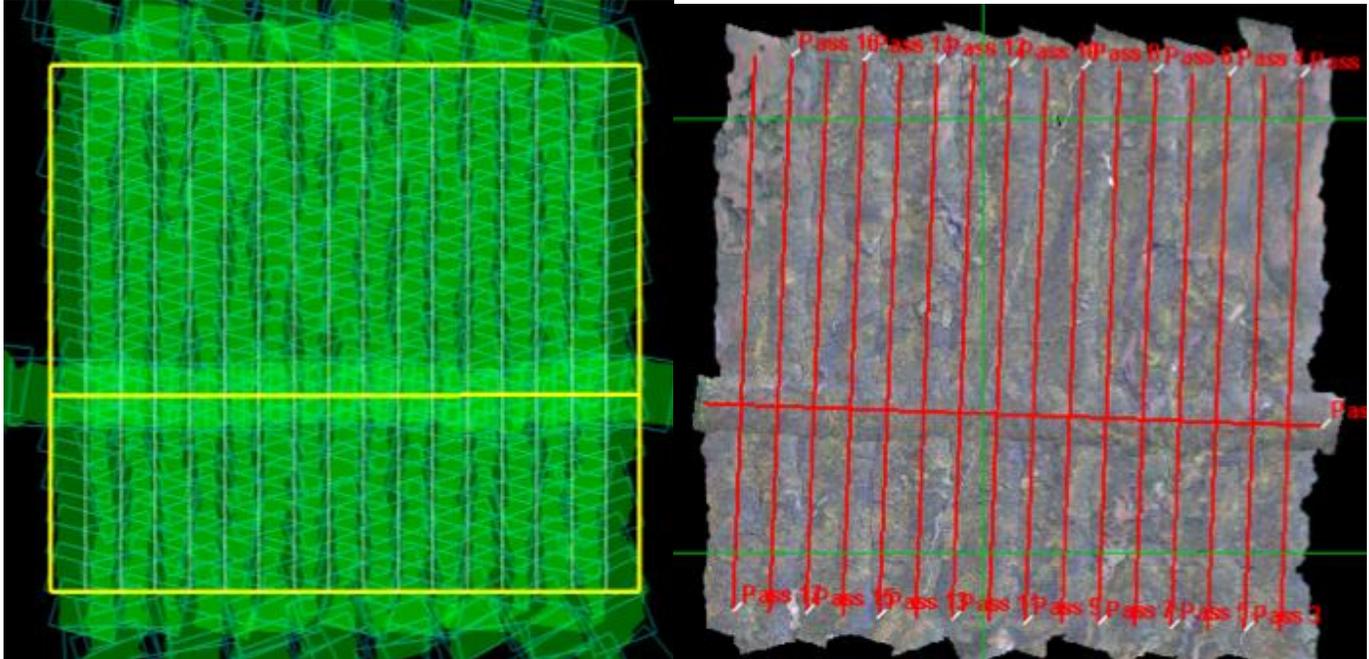
- With the shutter plate unattached, crew was able to help the shutter along to open itself. Shutter plate will be reattached before tomorrow's flight with the shutter locked in the open position, where it will stay for the remainder of the season.
- Continuing to start camera manually due to ongoing banding issue.

### **Comments:**

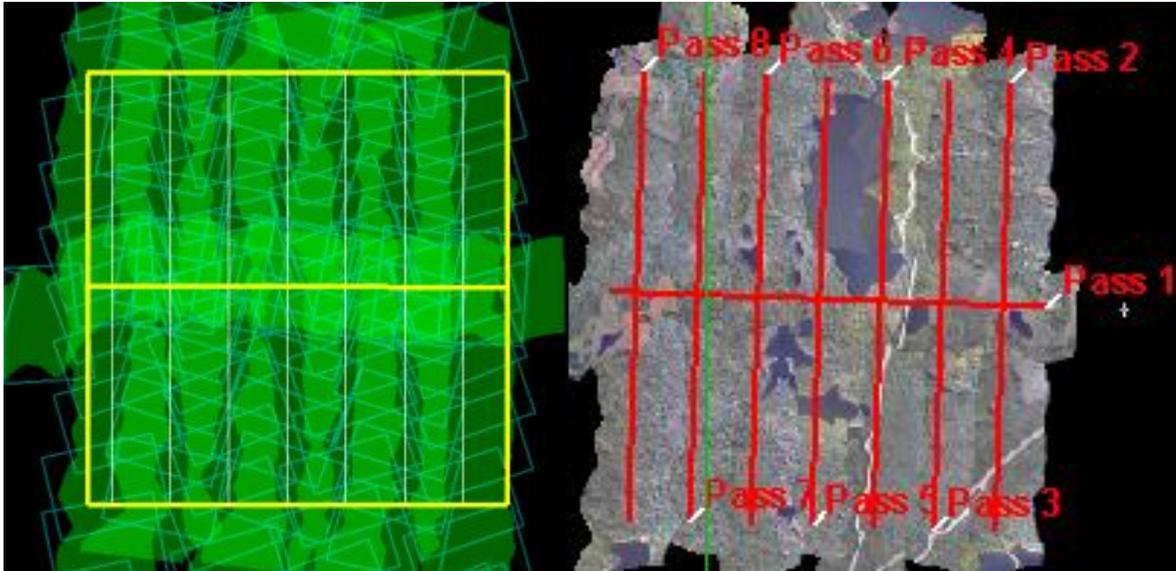
- Completed lines 1-17 of CHEQ under green conditions.
- Completed lines 1-8 of LIRO under green conditions, with lines 5-8 flown post sun angle.
- NEON Rotations: David Gambino OUT, Cameron Chapman IN
- TOIL Rotations: Justin Eddington OUT, Grant Frost IN

## NIS/Lidar Screenshot

Chequamegon-Nicolet National Forest (CHEQ)



Little Rock Lake (LIRO)



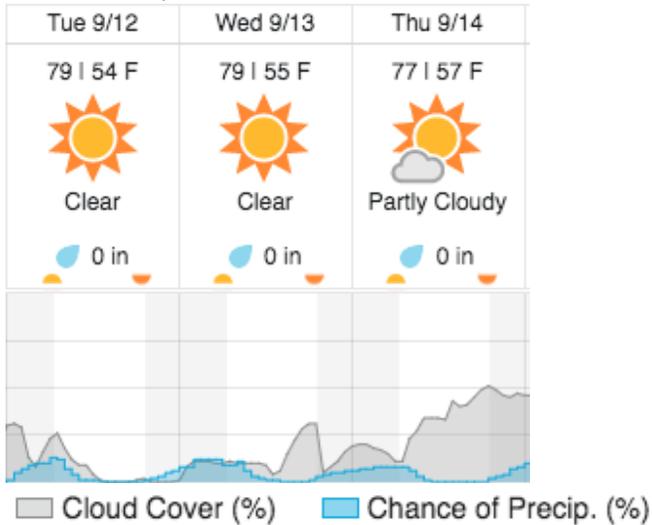
## Domain Coverage

D05   CHEQ	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							NLC
	9							NLC
	10							NLC

	11							NLC
	12							NLC
	13							NLC
	14							NLC
	15							NLC
	16							NLC
	17							NLC
Completed:	(17/17)							42.50%
D05 LIRO	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							NLC
Completed:	(8/8)							100.00%

**Weather Forecast**

Rhineland, WI



**Flight Collection Plan for September 12<sup>th</sup> 2017**

**Flyority 1 – if conditions are green**

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

Lines: 2-8

Flight Plan Name: D05\_STEI\_TREE\_R1\_P1\_v2B.pln

On Station Time: 1050 Local / 1550 UTC

**Flyority 2**

Collection Area: UNDERC (UNDE)

Lines: 2-17 & 25-29

Flight Plan Name: D05\_UNDE\_C1\_P1\_v1B.pln

On Station Time: 1050 Local / 1550 UTC

**Flyority 3**

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

Lines: 2-13

Flight Plan Name: D05\_STEI\_TREE\_R1\_P2\_v2B.pln

On Station Time: 1050 Local / 1550 UTC

**Crew**

Lidar: Cameron Chapman, NIS: Mitch Haynes, Ground/GPS: Abe Morrison

**Flight Collection Plan for September 13<sup>th</sup> 2017**

Tentatively begin transit to D03

Crew: Abe Morrison