Flight Campaign ID: 2017_P1C1
FBO ID & City: Rhinelander-Oneida County (KRHI) - Rhinelander, 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
### Domain Coverage

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<tr>
<th>D05</th>
<th>CHEQ</th>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
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**Weather Forecast**  
Rhinelander, WI

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<th>Wednesday 9/13</th>
<th>Thursday 9/14</th>
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<td>79°F - 55°F</td>
<td>77°F - 57°F</td>
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**Flight Collection Plan for September 12th 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
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 13th 2017
Tentatively begin transit to D03
Crew: Abe Morrison