Date: 2022-06-20
Flight Campaign ID: P3C1
Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI
Aircraft: N70AR

Domain: 05 (Great Lakes)
Sites Flown: CHEQ (Chequamegon-Nicolet National Forest), UNDE (University of Notre Dame Environmental Research Center)
Days left in Domain: 11

Report Author: John
Lidar Operators: John  Flight Hours: 04:07
Spectrometer Operators: Elissa  Hours until maintenance: 44.48
Pilots: Nick, Brent  GPS Instruments: WISCORS-LYNE, WISCORS-MAWA, WISCORS-RHER

Summary: Clear skies today, but there was an ever-present haze. We were able to complete CHEQ, and just over 50% of UNDE in Green conditions.

Concerns: None.

Comments: We were able to get the cabin sensor to reset and give us true conditions at the telemetry laptop, but the cabin display remained in an error status.

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D05 | CHEQ

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Total number of lines flown: 16
## D05 | UNDE

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Total number of lines flown: 16

### Flight Screenshots

- **CHEQ**
  - Lidar screenshot
  - NIS screenshot

- **UNDE**
  - Lidar screenshot
  - NIS screenshot
Cumulative Domain Coverage

D05|CHEQ (Chequamegon-Nicolet National Forest)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
Flown: 100% (16/16)  
Green: 100% (16/16)  
Yellow: 0% (0/16)  
Red: 0% (0/16)

D05|LIRO (Little Rock Lake)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
--- | --- | --- | --- | --- | --- | --- |
Flown: 100% (7/7)  
Green: 0% (0/7)  
Yellow: 14% (1/7)  
Red: 86% (6/7)

D05|STEI_TREE_P1 (Steigerwaldt Land Services and Treehaven Priority 1)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
Flown: 100% (25/25)  
Green: 100% (25/25)  
Yellow: 0% (0/25)  
Red: 0% (0/25)

D05|STEI_TREE_P2 (Steigerwaldt Land Services and Treehaven Priority 2)

| 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
Flown: 100% (18/18)  
Green: 0% (0/18)  
Yellow: 17% (3/18)  
Red: 83% (15/18)

D05|UNDE (University of Notre Dame Environmental Research Center)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
Flown: 57% (16/28)  
Green: 57% (16/28)  
Yellow: 0% (0/28)  
Red: 0% (0/28)

Weather Forecast

Rhinelander, WI (KRHI, STEI-TREE)

--- | --- | --- | --- | --- | --- | --- |
90° | 61°F | 78° | 52°F | 85° | 63°F | 86° | 63°F | 78° | 54°F | 71° | 50°F | 74° | 52°F |
Partly Cloudy | Partly Cloudy | Mostly Sunny | Partly Cloudy | PM | Partly Cloudy | Partly Cloudy | Partly Cloudy |
0 in | 0 in | 0 in | 0.07 in | 0.17 in | 0 in | 0 in | 0 in |
Flight Collection Plan for 21 June 2022

Flyority 1:
Collection Area: UNDERC (UNDE)
Flight plan name: D05_UNDE_C1_P1_v2_Q780
On-Station Time: 1420 UTC / 0920 L

Flyority 2: (if green):
Collection Area: Little Rock Lake (LIRO)
Flight plan name: D05_LIRO_A1_P2_v2_Q780
On-Station Time: 1420 UTC / 0920 L

Flyority 3: (if green):
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 UTC / 0920 L

Crew: Elissa (Lidar), John (NIS)