Date: 2024-07-14  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Wausau Downtown Airport (KAUW) - Wausau, WI  
Aircraft: N821AR

Domain: 05 (Great Lakes)  
Sites Flown: None  
Days left in Domain: 1

Report Author: Matt  
Lidar Operators: Matt  
Flight Hours: 00:00  
Spectrometer Operators: Cameron  
Hours until maintenance: 18.73  
Pilots: Justin, Jacob

Summary  
Cloudy conditions persisted throughout the morning and afternoon. No flights were attempted.

Concerns  
None

Comments  
None

Daily Coverage

Estimated Cloud Cover Key  
Green: 0-10%  
Yellow: 11-50%  
Red: >50%

Solar Angle Less Than 40 degrees

Flight Screenshots: None

Pictures: None
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: 0% (0/16)
Yellow: 31% (5/16)
Red: 69% (11/16)

D05 | LIRO (Little Rock Lake)
2 3 4 5 6 7 8
Flown: 100% (7/7)
Green: 0% (0/7)
Yellow: 71% (5/7)
Red: 29% (2/7)

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
22 23 24 25 26
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: 61% (11/18)
Red: 39% (7/18)

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
22 23 24 25 26 27 28 29
Flown: 100% (28/28)
Green: 25% (7/28)
Yellow: 21% (6/28)
Red: 54% (15/28)

D05 | WABI (NEON Research Support Services - Wabikon Forest Dynamics Plot)
2 3 4 5 6 7
Flown: 100% (6/6)
Green: 0% (0/6)
Yellow: 83% (5/6)
Red: 17% (1/6)
Weather Forecast

Boulder Junction, WI (UNDE, LIRO)

<table>
<thead>
<tr>
<th></th>
<th>Mon 7/15</th>
<th>Tue 7/16</th>
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<tbody>
<tr>
<td>Temp</td>
<td>79°</td>
<td>72°</td>
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<tr>
<td>Humidity %</td>
<td>54°F</td>
<td>50°F</td>
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<tr>
<td>Cond</td>
<td>Scattered Thunderstorms</td>
<td>Mostly Sunny</td>
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<tr>
<td>Precip</td>
<td>0.21 in</td>
<td>0 in</td>
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Tomahawk, WI (STEI-TREE)

<table>
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<th>Mon 7/15</th>
<th>Tue 7/16</th>
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<tbody>
<tr>
<td>Temp</td>
<td>82°</td>
<td>77°</td>
</tr>
<tr>
<td>Humidity %</td>
<td>55°F</td>
<td>49°F</td>
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<tr>
<td>Cond</td>
<td>Thunderstorms</td>
<td>Mostly Sunny</td>
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<tr>
<td>Precip</td>
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Wausau, WI (KAUW)

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<tr>
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<th>Tue 7/16</th>
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<tbody>
<tr>
<td>Temp</td>
<td>85°</td>
<td>79°</td>
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<tr>
<td>Humidity %</td>
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<td>Cond</td>
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<tr>
<td>Precip</td>
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<td>0 in</td>
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source: wunderground.com

Flight Collection Plan for 15 July 2024

Flyority 1
Collection Area: UNDERC (UNDE)- if green lines 2-17, 23-29
Flight Plan Name: D05_UNDE_C1_P1_v2_Q780
On-station Time: 1430 UTC / 0930 L

Flyority 2
Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE), **P1 Box - if green within solar angle lines 11-14**
Flight Plan Name: D05_STEI_TREE_R1_P1_P2_v3_ Q780
On-station Time: 1430 UTC / 0930 L

Flyority 3
Collection Area: Chequamegon-Nicolet National Forest (CHEQ) - **if Green**
Flight Plan Name: D05_CHEQ_R2_P1_v3_ Q780
On-station Time: 1430 UTC / 0930 L

Flyority 4
Collection Area: Little Rock Lake (LIRO) - **if Green**
Flight Plan Name: D05_LIRO_A1_P2_v2_ Q780
On-station Time: 1430 UTC / 0930 L

**Flight Crew:** Cameron (Lidar), Matt (NIS)