Payload 3 Daily Flight Report

Date: 2022-06-22
Flight Campaign ID: P3C1
Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI
Aircraft: N70AR

Domain: 05 (Great Lakes)
Sites Flown: STEI_TREE_P2 (Steigerwaldt Land Services and Treehaven Priority 2)
Days left in Domain: 9

Report Author: John
Lidar Operators: John  Flight Hours: 02:27
Spectrometer Operators: Elissa  Hours until maintenance: 42.03
Pilots: Nick, Brent  GPS Instruments: WISCORS-RHER

Summary: Cloudy conditions in the north precluded flying UNDE or LIRO; completed all flight lines of STEI_TREE_P2 under Green conditions to the south.

Concerns: None.

Comments: Shipped RAID_05 to Denver today. Cabin temperature display worked perfectly today.

Daily Coverage

Estimated Cloud Cover Key

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

D05|STEI_TREE_P2

<table>
<thead>
<tr>
<th>Line #</th>
<th>27</th>
<th>28</th>
<th>29</th>
<th>30</th>
<th>31</th>
<th>32</th>
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<th>42</th>
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<tbody>
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<td>Lidar</td>
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<td>Spectrometer</td>
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<tr>
<td>Cloud Cover</td>
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Total number of lines flown: 18
**Flight Screenshots**

![Lidar screenshot STEI_TREE_P2](image1)

![NIS screenshot STEI_TREE_P2](image2)

**Cumulative Domain Coverage**

**D05|CHEQ (Chequamegon-Nicolet National Forest)**

| Flown: 100% (16/16)  
| Green: 100% (16/16)  
| Yellow: 0% (0/16)  
| Red: 0% (0/16)  

**D05|LIRO (Little Rock Lake)**

| 2 3 5 6 7 8 10 11 12 13 14 15 16 17 | 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)**

| 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)**

| Flown: 100% (18/18)  
| Green: 100% (18/18)  
| Yellow: 0% (0/18)  
| Red: 0% (0/18)  

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

| Flown: 57% (16/28)  
| Green: 57% (16/28)  
| Yellow: 0% (0/28)  
| Red: 0% (0/28)  

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*Note: Images and tables are placeholders for actual screenshots and data.*
Weather Forecast
Rhinelander, WI (KRHI, STEI-TREE)

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<tbody>
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<td>64°F</td>
<td>86°</td>
<td>64°F</td>
<td>73°</td>
<td>56°F</td>
<td>68°</td>
</tr>
<tr>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Scattered Thunderstorms</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>PM</td>
<td>Partly Cloudy</td>
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<tr>
<td>0 in</td>
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<td>0 in</td>
<td>0 in</td>
<td>0.15 in</td>
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source: wunderground.com

Boulder Junction, WI (UNDE)

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<td>63°F</td>
<td>73°</td>
<td>54°F</td>
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<td>PM</td>
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<td>0.15 in</td>
<td>0.05 in</td>
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</tbody>
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Flight Collection Plan for 23 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

Crew: Elissa (Lidar), John (NIS)