Payload 3 Daily Flight Report

Date: 2024-06-24  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Wausau Wisconsin (KAUW) - Wausau, WI  
Aircraft: N821AR  

Domain: 05 (Great Lakes)  
Sites Flown: None  
Days left in Domain: 21

Report Author: John  
Lidar Operators: John  
Flight Hours: 00:38  
Spectrometer Operators: Matt  
Hours until maintenance: 38.0  
Pilots: Shane, Jeff

Summary
Potentially decent weather day reverted to complete cloud cover as we flew enroute to UNDE. No data was collected today.

Concerns
None.

Comments
None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

<table>
<thead>
<tr>
<th>Line #</th>
</tr>
</thead>
</table>

D05 | CHEQ (Chequamegon-Nicolet National Forest)

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

D05 | LIRO (Little Rock Lake)

Flown: 0% (0/7)  
Green: 0% (0/7)  
Yellow: 0% (0/7)  
Red: 0% (0/7)
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: 0% (0/25)
Green: 0% (0/25)
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: 0% (0/18)
Green: 0% (0/18)
Yellow: 0% (0/18)
Red: 0% (0/18)

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: 0% (0/28)
Green: 0% (0/28)
Yellow: 0% (0/28)
Red: 0% (0/28)

Weather Forecast

Boulder Junction, WI (UNDE, LIRO)

<table>
<thead>
<tr>
<th>Tue 6/25</th>
<th>Wed 6/26</th>
<th>Thu 6/27</th>
<th>Fri 6/28</th>
<th>Sat 6/29</th>
<th>Sun 6/30</th>
<th>Mon 7/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>81°F</td>
<td>63°F</td>
<td>71°F</td>
<td>65°F</td>
<td>67°F</td>
<td>66°F</td>
<td>69°F</td>
</tr>
<tr>
<td>54°F</td>
<td>43°F</td>
<td>55°F</td>
<td>60°F</td>
<td>45°F</td>
<td>45°F</td>
<td>55°F</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Rain</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.05 in</td>
<td>0.41 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.5 in</td>
</tr>
</tbody>
</table>

Tomahawk, WI (STEI)

<table>
<thead>
<tr>
<th>Tue 6/25</th>
<th>Wed 6/26</th>
<th>Thu 6/27</th>
<th>Fri 6/28</th>
<th>Sat 6/29</th>
<th>Sun 6/30</th>
<th>Mon 7/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>83°F</td>
<td>68°F</td>
<td>72°F</td>
<td>67°F</td>
<td>72°F</td>
<td>69°F</td>
<td>69°F</td>
</tr>
<tr>
<td>56°F</td>
<td>44°F</td>
<td>56°F</td>
<td>61°F</td>
<td>46°F</td>
<td>45°F</td>
<td>56°F</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Rain</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>PM Showers</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.02 in</td>
<td>0.39 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.73 in</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 23 June 2024

Flyority 1
Collection Area: UNDERC (UNDE)
Flight Plan Name: D05_UNDE_C1_P1_v2_ Q780
On-station Time: 1420 UTC / 0920 L

Flyority 2
Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE), Priority 1 Flight Box
Flight Plan Name: D5_STEI_TREE_R1_P1_P2_v3_ Q780
On-station Time: 1420 UTC / 0920 L

Flyority 3
Collection Area: Chequamegon-Nicolet National Forest (CHEQ)
Flight Plan Name: D5_CHEQ_R2_P1_v3_ Q780
On-station Time: 1420 UTC / 0920 L

Flyority 4
Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE), Priority 2 Flight Box
Flight Plan Name: D5_STEI_TREE_R1_P1_P2_v3_ Q780
On-station Time: 1420 UTC / 0920 L

Flyority 5
Collection Area: Little Rock Lake (LIRO)
Flight Plan Name: D5_LIRO_A1_P2_v2_ Q780
On-station Time: 1420 UTC / 0920 L

Flyority 6
Collection Area: Wabikon Forest Dynamics Plot (WABI)
Flight Plan Name: D5_WABI_S1_P1_v2_ Q780
On-station Time: 1420 UTC / 0920 L

Flight Crew: John (Lidar), Matt (NIS)