

# Payload 3 Daily Flight Report



Date: 2025-07-07

Flight Campaign ID: P3C1

Airport, FBO ID, City: Wausau Downtown Airport (KAUW) - Wausau, WI

Aircraft: N821AR

Domain: 05 (Great Lakes)

**Sites Flown**: UNDE (University of Notre Dame Environmental Research Center)

Days left in Domain: 3

Report Author: John

**Lidar Operators**: John **Flight Hours**: 04:03

**Spectrometer Operators**: Cameron **Hours until maintenance**: 51.37 **Pilots**: Justin, Troy **GPS Instruments**: AOP\_UNDE

### **Summary**

Today we flew UNDE with Green condition on all lines.

#### **Concerns**

None.

### **Comments**

The Sherpa router was again off when we arrived at the plane today, looking forward to the new system in Bozeman.

### **Daily Coverage**

**Estimated Cloud Cover Key** 

Green: Yellow: Red: 0-10% 11-50% >50%

Solar Angle Less Than 40 degrees: (\*)

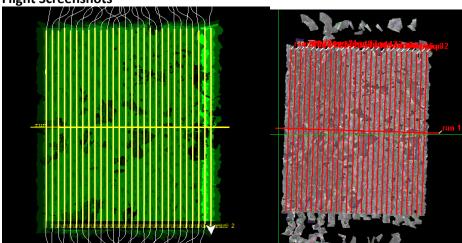
## D05|UNDE

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	<b>√</b>	✓																		
Camera	✓	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	22	23	24	25	26	27	28	29
Lidar	✓	✓	✓	<b>/</b>	<b>✓</b>	✓	✓	<b>\</b>
Spectrometer	✓	✓	✓	✓	✓	✓	✓	<b>✓</b>
Camera	✓	✓	✓	✓	✓	✓	✓	<b>✓</b>
Cloud Cover								

Total number of lines flown: 28

**Flight Screenshots** 



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: 0% (0/16) Yellow: 88% (14/16) Red: 12% (2/16)

\* Flown within 35deg solar angle

# D05 | LIRO (Little Rock Lake)

2 3 4 5 6 7 8

Flown: 100% (7/7) Green: 0% (0/7) Yellow: 0% (0/7) Red: 100% (7/7)

\* Flown within 35deg solar angle

D05|STEL TREE P1 (Steigerwaldt Land Services and Treehaven Priority 1)

	505   5121_1K22_1 1 (500.86) Walde Land Services and Treenaven 1 Horief 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)

\* Flown within 35deg solar angle

## 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: 0% (0/18) Red: 100% (18/18)

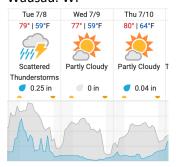
### D05 | UNDE (University of Notre Dame Environmental Research Center)

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												

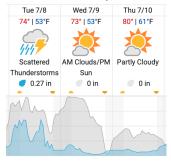
Flown: 100% (28/28) Green: 100% (28/28) Yellow: 0% (0/28) Red: 0% (0/28)

### **Weather Forecast**

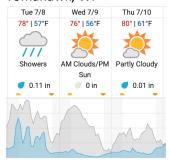
#### Wausau. WI



### Boulder Junction, WI



### Tomahawk, WI



Cloud Cover (%) Chance of Precip. (%)

source: wunderground.com

<sup>\*</sup> Flown within 35deg solar angle

<sup>\*</sup> Flown within 35deg solar angle

### Flight Collection Plan for 8 July 2025

Flyority 1 (only if green conditions)

Collection Area: Chequamegon-Nicolet National Forest (CHEQ)

Flight Plan Name: D05\_CHEQ\_R2\_P1\_v3\_Q780

On-station Time: 1420 UTC / 0920 L

Flyority 2 (only if green conditions) Collection Area: Little Rock Lake (LIRO)

Flight Plan Name: D05\_LIRO\_A1\_P2\_v2\_ Q780

On-station Time: 1420 UTC / 0920 L

Flyority 3 (only if green conditions)

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE)

Flight Plan Name: D05\_STEI\_TREE\_R1\_P1\_P2\_v3\_ Q780

On-station Time: 1420 UTC / 0920 L

Flight Crew: John (lidar), Cameron (NIS)