



## Payload 3 Daily Flight Report



**Date:** 2025-07-05

**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:** 6

**Report Author:** John

**Lidar Operators:** John

**Flight Hours:** 00:00

**Spectrometer Operators:** Matt

**Hours until maintenance:** 55.42

**Pilots:** Justin, Tim

### Summary

Bands of clouds continued to flow in from the west and north, no flights were conducted today.

### Concerns

None.

### Comments

Thanks Tim for the excellent flying! Welcome Troy to Payload 3!

### Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

### 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|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)

\* 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)

\* Flown within 35deg solar angle

### 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: 57% (16/28)

Green: 0% (0/28)

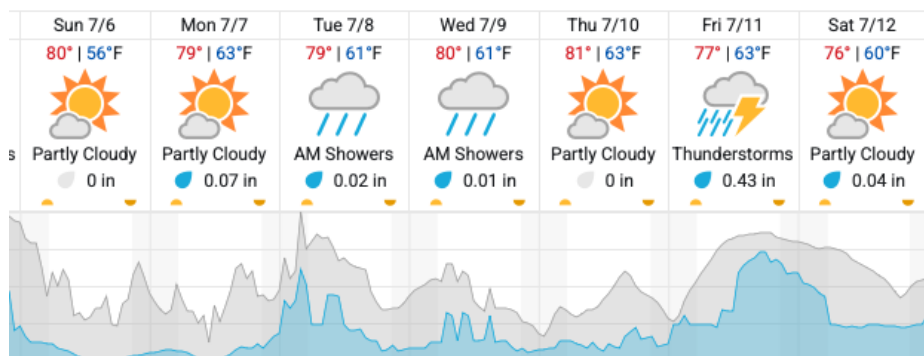
Yellow: 57% (16/28)

Red: 0% (0/28)

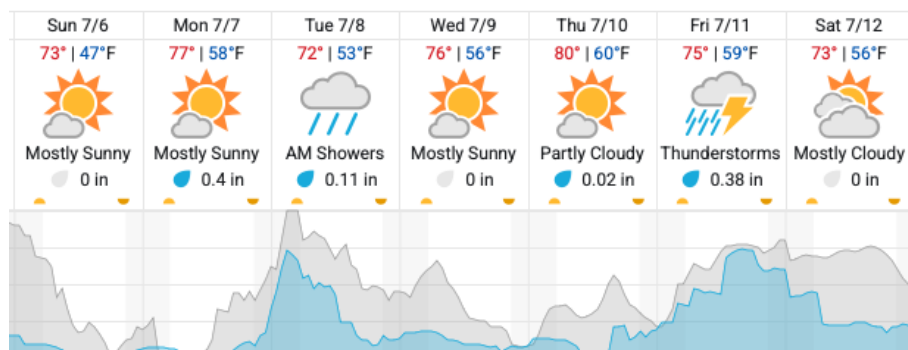
\* Flown within 35deg solar angle

## Weather Forecast

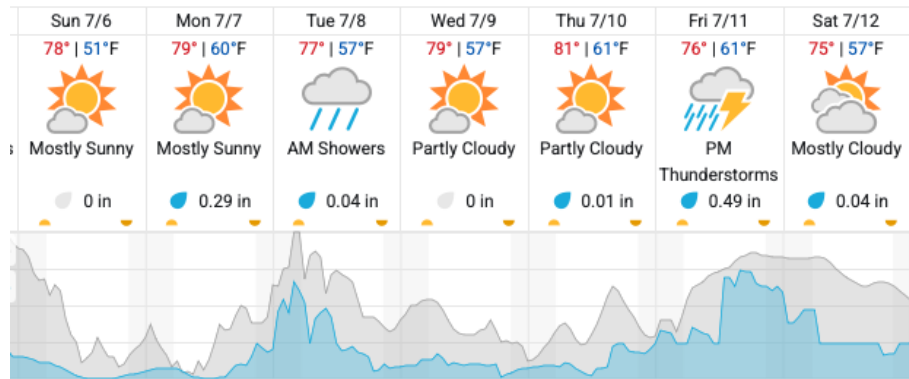
### Wausau, WI



### Boulder Junction, WI



## Tomahawk, WI



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

source: wunderground.com

## Flight Collection Plan for 6 July 2025

### Flyority 1

Collection Area: UNDERC (UNDE)

Flight Plan Name: D05\_UNDE\_C1\_P1\_v2\_Q780

On-station Time: 1420 UTC / 0920 L

### Flyority 2 (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 3 (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 4 (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:** Matt (lidar), John (NIS)