



# Payload 3 Daily Flight Report



**Date:** 2024-07-03  
**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:** 12

**Report Author:** Mitch  
**Lidar Operators:** Mitch                      **Flight Hours:** 00:00  
**Spectrometer Operators:** Elissa      **Hours until maintenance:** 28.45  
**Pilots:** Shane, Jeff

### Summary

Overcast layers this morning gradually lifted revealing scattered cumulus clouds that persisted throughout the day. No flights were conducted.

### Concerns

None

### Comments

We've had continued failure of the hotel kit to produce successful coverage QA checks from the 2024070113 flight over UNDE and LIRO. This has been complicated by hotel internet/VPN issues. The science team has been informed and are investigating.

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

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: 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: 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: 82% (23/28)  
 Green: 25% (7/28)  
 Yellow: 4% (1/28)  
 Red: 54% (15/28)

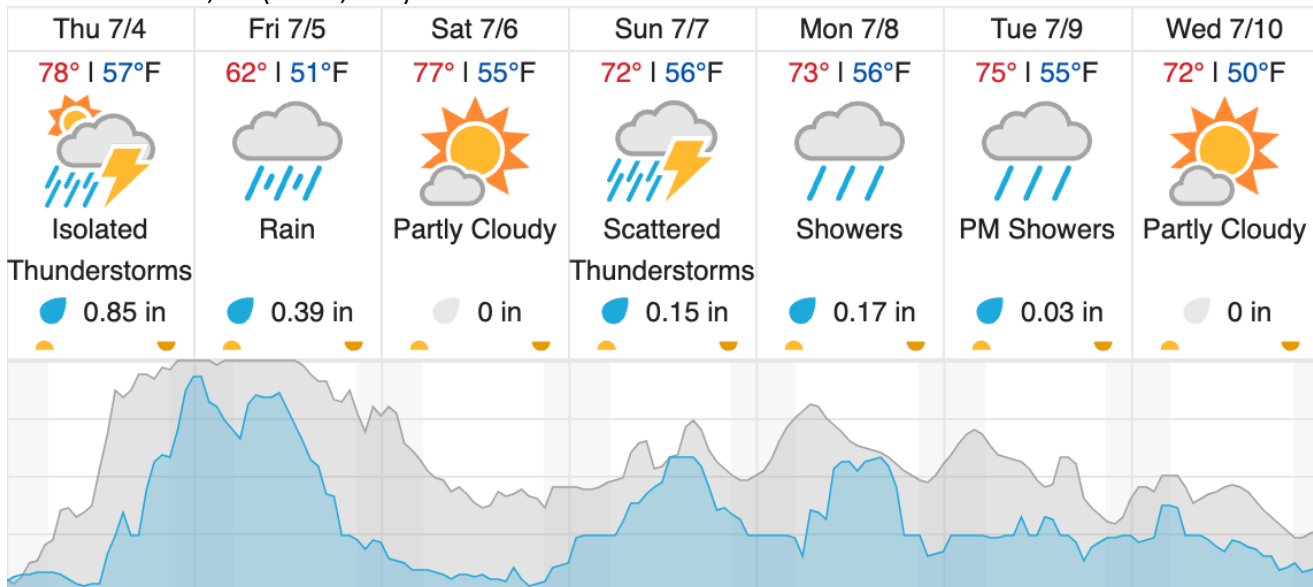
D05 | WABI (NEON Research Support Services - Wabikon Forest Dynamics Plot)

2	3	4	5	6	7
---	---	---	---	---	---

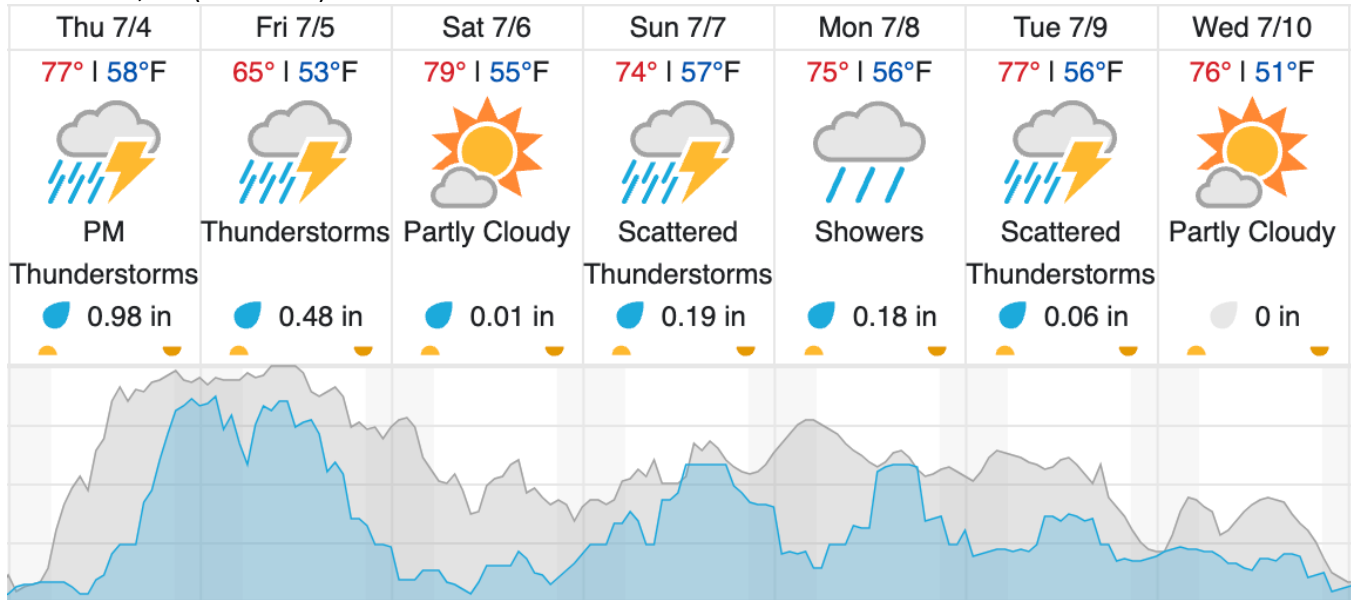
Flown: 0% (0/6)  
 Green: 0% (0/6)  
 Yellow: 0% (0/6)  
 Red: 0% (0/6)

**Weather Forecast**

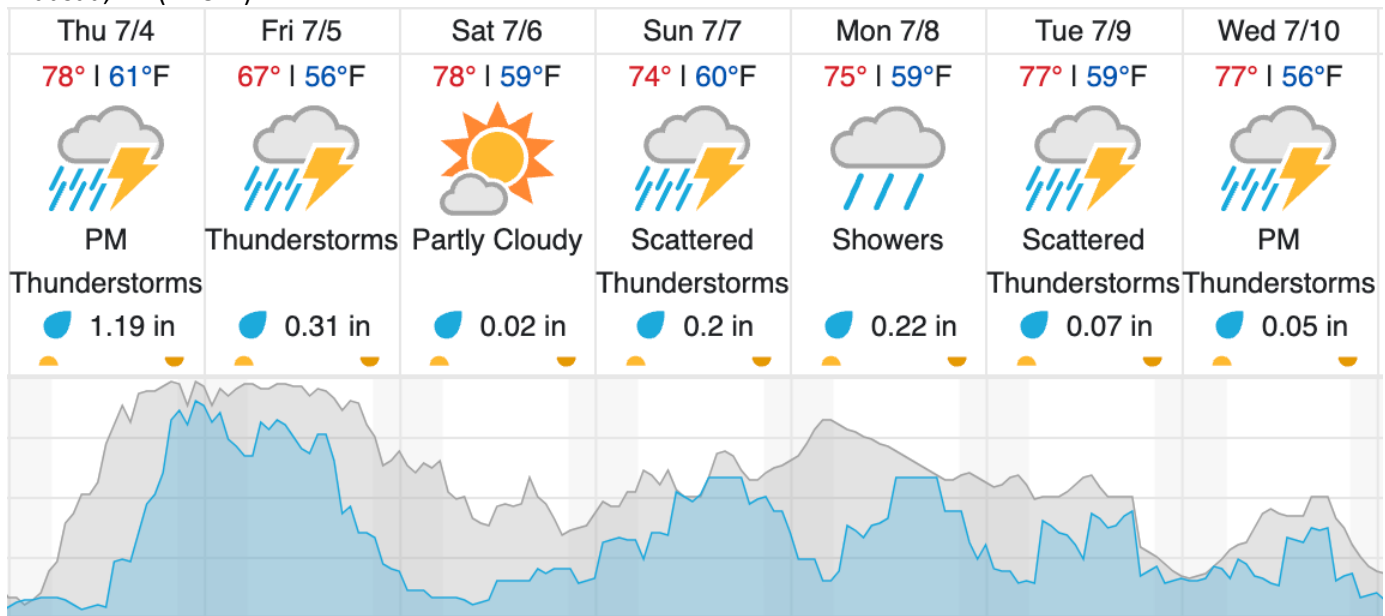
Boulder Junction, WI (UNDE, LIRO)



Tomahawk, WI (STEI-TREE)



Wausau, WI (KAUW)



source: wunderground.com

**Flight Collection Plan for July 4 2024**

**Flyority 1**

Collection Area: UNDERC (UNDE), if Red/Yellow conditions, lines 1-9; if Green conditions all lines.

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: D05\_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: D05\_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, if Green

Flight Plan Name: D05\_STEI\_TREE\_R1\_P1\_P2\_v3\_Q780

On-station Time: 1420 UTC / 0920 L

Flyority 5

Collection Area: Little Rock Lake (LIRO), if Green

Flight Plan Name: D05\_LIRO\_A1\_P2\_v2\_Q780

On-station Time: 1420 UTC / 0920 L

Flyority 6

Collection Area: NRSS Wabikon Forest Dynamics Plot (WABI)

Flight Plan Name: D05\_WABI\_S1\_P1\_v2\_Q780

On-station Time: 1420 UTC / 0920 L

**Flight Crew:** Elissa (Lidar), Mitch (NIS)