



Payload 3 Daily Flight Report



Date: 2025-06-22

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: 19

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mike

Pilots: Tim, Justin

Flight Hours: 02:35

Hours until maintenance: 67.12

GPS Instruments: AOP_UNDE, WISCORS-WAU2

Summary: Today we were able to begin collection under Yellow conditions at UNDE, beginning with the lower priority flight lines. However, the cloud bases continued to rise until the clouds were at our flight altitude and we had to stop flying. At the other three D05 sites the clouds were more numerous below our flight altitude, so no collection was possible.

Concerns: None.

Comments: None.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D05|UNDE

Line #	1	2	3	4	5	6	7	8	9	10
Lidar		✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

NIS screenshot UNDE

Cumulative Domain Coverage

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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Red: 0% (0/16)

* Flown within 35deg solar angle

D05 | LIRO (Little Rock Lake)

2	3	4	5	6	7	8
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Flown: 0% (0/7)

Green: 0% (0/7)

Yellow: 0% (0/7)

Red: 0% (0/7)

* 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: 0% (0/25)

Green: 0% (0/25)

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
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Flown: 0% (0/18)

Green: 0% (0/18)

Yellow: 0% (0/18)

Red: 0% (0/18)

* 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: 32% (9/28)

Green: 0% (0/28)

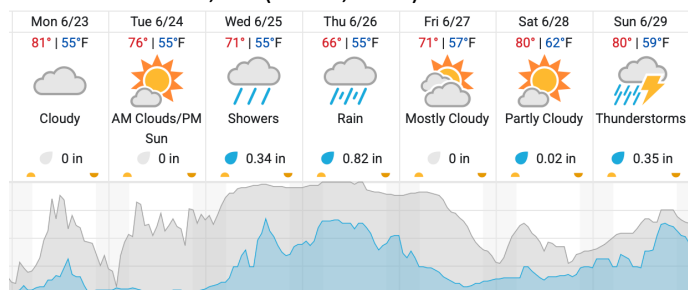
Yellow: 32% (9/28)

Red: 0% (0/28)

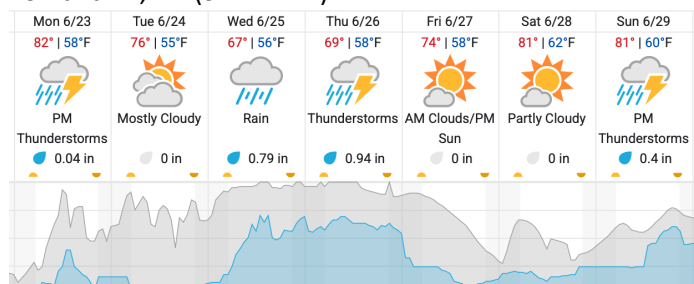
* Flown within 35deg solar angle

Weather Forecast

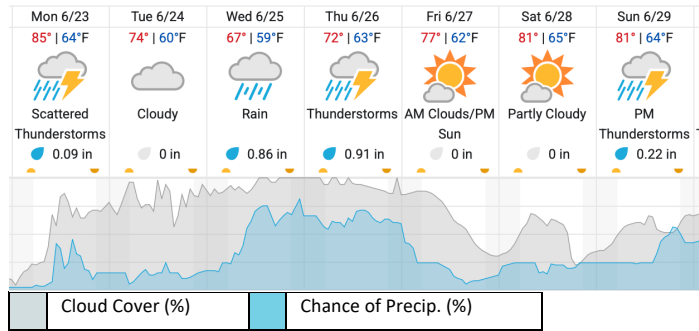
Boulder Junction, WI (UNDE, LIRO)



Tomahawk, WI (STEI-TREE)



Wausau, WI (FBO KAUW)



source: wunderground.com

Flight Collection Plan for 23 Jun 2025

Flyority 1

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

Flyority 2

Collection Area: UNDERC (UNDE)

Flight Plan Name: D05_UNDE_C1_P1_v2_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: Little Rock Lake (LIRO)

Flight Plan Name: D05_LIRO_A1_P2_v2_Q780

On-station Time: 1420 UTC / 0920 L

Flyority 5

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: Mike (Lidar), John (NIS)