



Payload 3 Daily Flight Report



Date: 2025-07-02

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 05 (Great Lakes)

Sites Flown: CHEQ (Chequamegon-Nicolet National Forest), STEI_TREE_P1 (Steigerwaldt Land Services and Treehaven Priority 1)

Days left in Domain: 9

Report Author: Matt

Lidar Operators: Matt

Spectrometer Operators: John

Pilots: Justin, Tim

Flight Hours: 02:45

Hours until maintenance: 59.10

GPS Instruments: WISCORS-LYNE, WISCORS-RHER, WISCORS-WAU2

Summary

The crew took advantage of the dip in cloud cover this morning and collected 16 lines at CHEQ and 7 lines at the STEI-TREE sites.

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|CHEQ

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

Total number of lines flown: 16

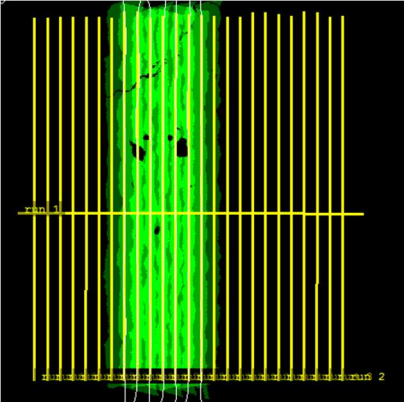
D05|STEI_TREE_P1

Line #	13	14	15	16	17	18	19
Lidar	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓
Cloud Cover							

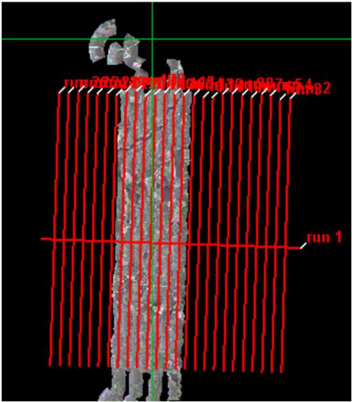
Total number of lines flown: 7

Flight Screenshots

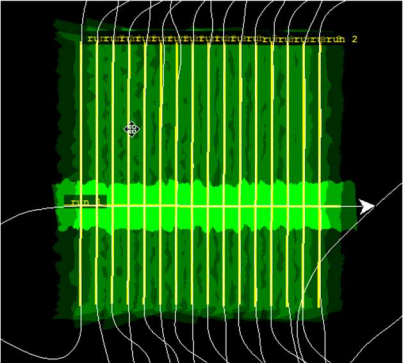
Lidar STEI-TREE



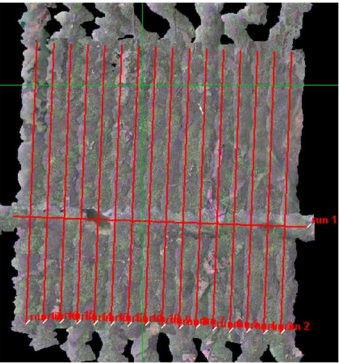
NIS STEI-TREE



Lidar CHEQ



NIS CHEQ



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
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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
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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: 56% (14/25)

Green: 28% (7/25)

Yellow: 24% (6/25)

Red: 4% (1/25)

* 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: 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: 32% (9/28)

Green: 0% (0/28)

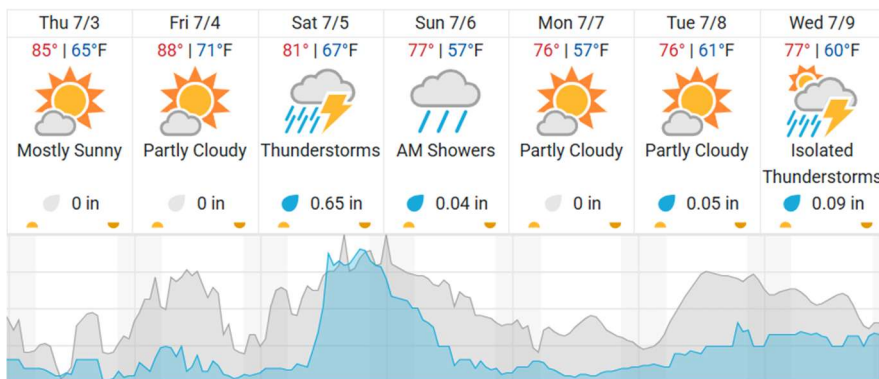
Yellow: 32% (9/28)

Red: 0% (0/28)

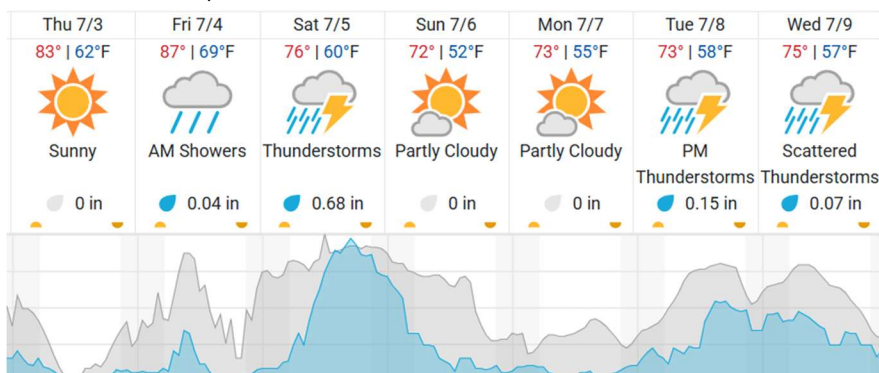
* Flown within 35deg solar angle

Weather Forecast

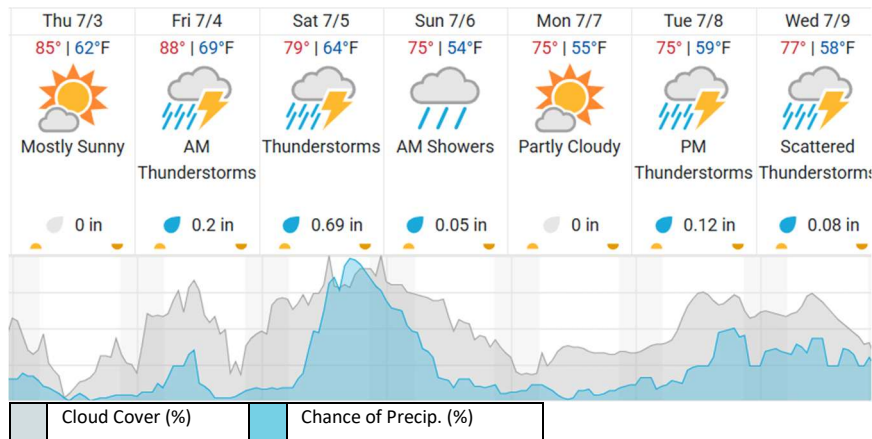
Wausau, WI



Boulder Junction, WI



Tomahawk, WI



source: wunderground.com

Flight Collection Plan for 3 July 2025

Flyority 1

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) Lines 2-19

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 (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 4 (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 5 (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), Matt (NIS)