



Payload 3 Daily Flight Report



Date: 2024-07-13

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: 2

Report Author: Cameron

Lidar Operators: Cameron **Flight Hours:** 00:00

Spectrometer Operators: Matt **Hours until maintenance:** 18.73

Pilots: Justin, Jacob

Summary

Clear morning skies degraded prior to solar angle. The abundance of clouds coupled with intermittent afternoon rain showers precluded any chance of recollecting data in nominal sky conditions.

Concerns

- The payload went into safe mode this afternoon seemingly due to a pressure sensor cable timeout. The system was placed back into COOL shortly thereafter and no other issues have occurred. We will continue to monitor.

Comments

- Elissa departed D05 today. Thanks for the hard work!

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

Flight Screenshots: None

Pictures: None

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: 31% (5/16)

Red: 69% (11/16)

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: 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: 100% (25/25)

Green: 100% (25/25)

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
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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: 100% (28/28)

Green: 25% (7/28)

Yellow: 21% (6/28)

Red: 54% (15/28)

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

2	3	4	5	6	7
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Flown: 100% (6/6)

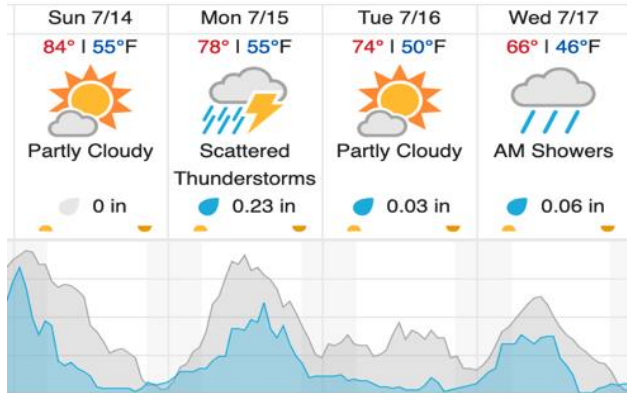
Green: 0% (0/6)

Yellow: 83% (5/6)

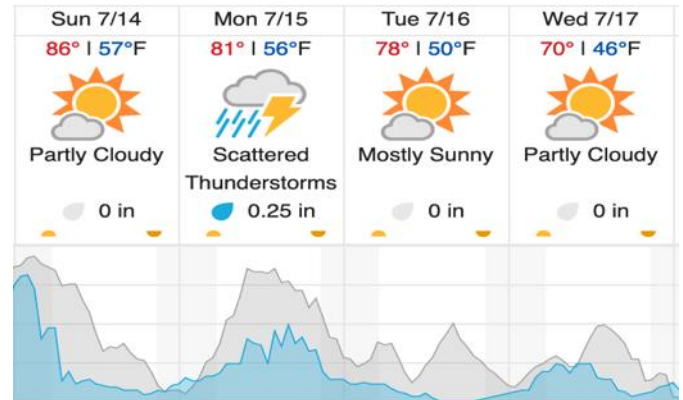
Red: 17% (1/6)

Weather Forecast

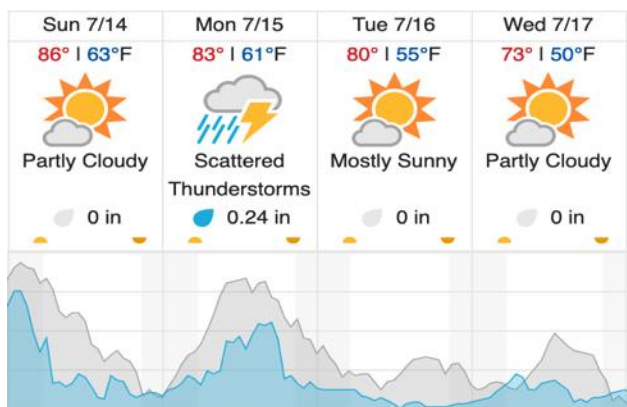
Boulder Junction, WI (UNDE, LIRO)



Tomahawk, WI (STEI-TREE)



Wausau, WI (KAUW)



source: wunderground.com

Flight Collection Plan for 14 July 2024

Flyority 1

Collection Area: UNDERC (UNDE)- *if green lines 2-17, 23-29*

Flight Plan Name: D05_UNDE_C1_P1_v2_Q780

On-station Time: 1430 UTC / 0930 L

Flyority 2

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE), P1 Box- *if green within solar angle lines 11-14*

Flight Plan Name: D05_STEI_TREE_R1_P1_P2_v3_Q780

On-station Time: 1430 UTC / 0930 L

Flyority 3

Collection Area: Chequamegon-Nicolet National Forest (CHEQ)- *if Green*

Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780

On-station Time: 1430 UTC / 0930 L

Flyority 4

Collection Area: Little Rock Lake (LIRO)- *if Green*

Flight Plan Name: D05_LIRO_A1_P2_v2_Q780

On-station Time: 1430 UTC / 0930 L

Flight Crew: Matt (Lidar), Cam (NIS)