

Payload 3 Daily Flight Report



Date: 2024-06-29

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: 16

Report Author: Mitch

Lidar Operators: Mitch Flight Hours: 00:00

Spectrometer Operators: Elissa Hours until maintenance: 34.27

Pilots: Shane, Jeff

Summary

A complete overcast morning started looking promising as clouds started migrating to the southeast. However before clear conditions could fully materialize, cumulus clouds started forming at lower altitudes, eventually building back up to almost cloud cover again by the end of solar angle. No flights occurred.

Concerns

None

Comments

None

Cumulative Domain Coverage

D05 | CHEQ (Chequamegon-Nicolet National Forest)

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 / 8

Flown: 0% (0/7) Green: 0% (0/7) Yellow: 0% (0/7) Red: 0% (0/7)

D05|STEL TREE P1 (Steigerwaldt Land Services and Treehaven Priority 1)

	<u> </u>		<u> </u>	1000	<u> </u>						<u> </u>	0	•	,					
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)

	_	_	_	6	J -					-		_	_	-, ,			
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

Flown: 0% (0/18) Green: 0% (0/18) Yellow: 0% (0/18) Red: 0% (0/18)

D05 | UNDE (University of Notre Dame Environmental Research Center)

		4						10	11	12	13	14	15	16	17	18	19	20	21
22	23	24	25	26	27	28	29												

Flown: 71% (20/28) Green: 0% (0/28) Yellow: 0% (0/28) Red: 71% (20/28)

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)

Boulder Junction,	, WI (UNDE, LIKO)					
Sun 6/30	Mon 7/1	Tue 7/2	Wed 7/3	Thu 7/4	Fri 7/5	Sat 7/6
68° I 42°F	72° I 53°F	66° I 60°F	78° I 56°F	78° I 57°F	64° I 51°F	72° I 55°F
					414	
Sunny	Mostly Sunny	Showers	Mostly Sunny	PM Showers	Scattered	Partly Cloudy
					Thunderstorms	
0 in	0 .39 in	0.24 in	0 in	0.42 in	0.39 in	0 in

Tomahawk, WI (STEI) Tue 7/2 Sun 6/30 Mon 7/1 Wed 7/3 Thu 7/4 Fri 7/5 Sat 7/6 71° I 42°F 72° | 54°F 68° I 62°F 80° I 57°F 79° I 58°F 68° | 53°F 73° | 55°F Partly Cloudy Sunny Mostly Sunny Rain/Thunder Partly Cloudy Showers Thunderstorms 0 in 0.52 in 0.51 in 0 in 0.3 in 0.29 in 0 in Wausau, WI (KAUW) Sun 6/30 Tue 7/2 Thu 7/4 Mon 7/1 Wed 7/3 Fri 7/5 Sat 7/6 69° I 65°F 79° | 61°F 72° | 49°F 71° I 56°F 81° I 60°F 69° I 57°F 74° I 58°F Rain/Thunder Partly Cloudy Mostly Sunny Mostly Sunny Isolated Showers Sunny **Thunderstorms** 0 in 0.58 in 0.51 in 0 in 0.36 in 0.25 in 0 in Cloud Cover (%) Chance of Precip. (%)

Flight Collection Plan for 30 June 2024

source: wunderground.com

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

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)

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)