Payload 3 Daily Flight Report

Date: 2020-07-29
Flight Campaign ID: P3C1
Airport, FBO ID, City: Rhinelander-Oneida County Aiport (KRHI) - Rhinelander, WI

Domain: 05 (Great Lakes)
Sites Flown: STEI_TREE_P1 (Steigerwaldt Land Services and Treehaven Priority 1)
Days left in Domain: 20

Report Author: Elissa Barris
Lidar Operators: Elissa Barris   **Flight Hours**: 00:50
Spectrometer Operators: Mitch Haynes   **Hours until maintenance**: 53.92
Pilots: Micah Hoogeveen, Lane Taylor   **GPS Instruments**: WISCORS-RHER
Ground Crew: Cameron Chapman

Summary
Another mostly clear morning quickly gave way to cumulus formation at and below flight altitude. Nevertheless, green conditions persisted long enough after the allowable sun angle was reached to successfully collect several priority lines.

Concerns
None.

Comments
The tower camera was successfully accessed at STEI today, but inability to connect to the computer in Boulder prevented snapshot capture during flight.

Daily Coverage

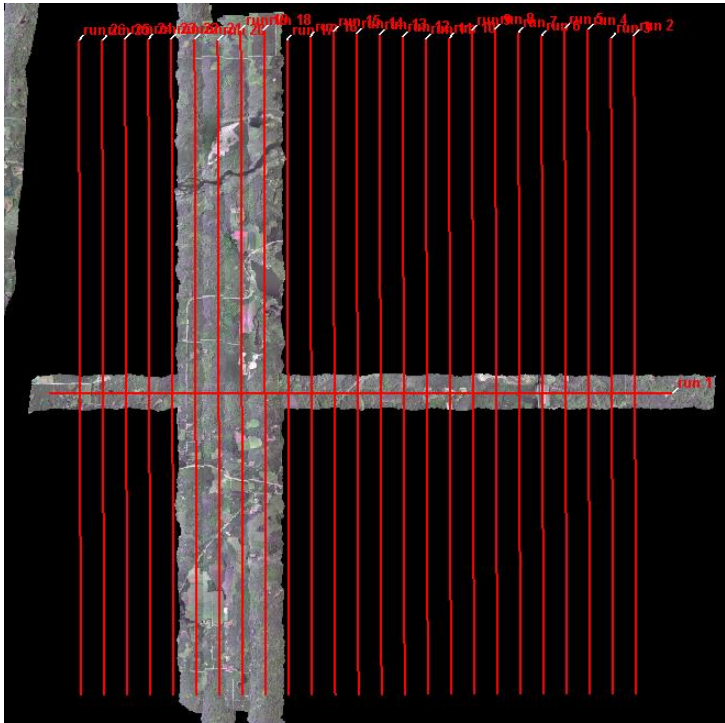Estimated Cloud Cover Key

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

D05|STEI_TREE_P1

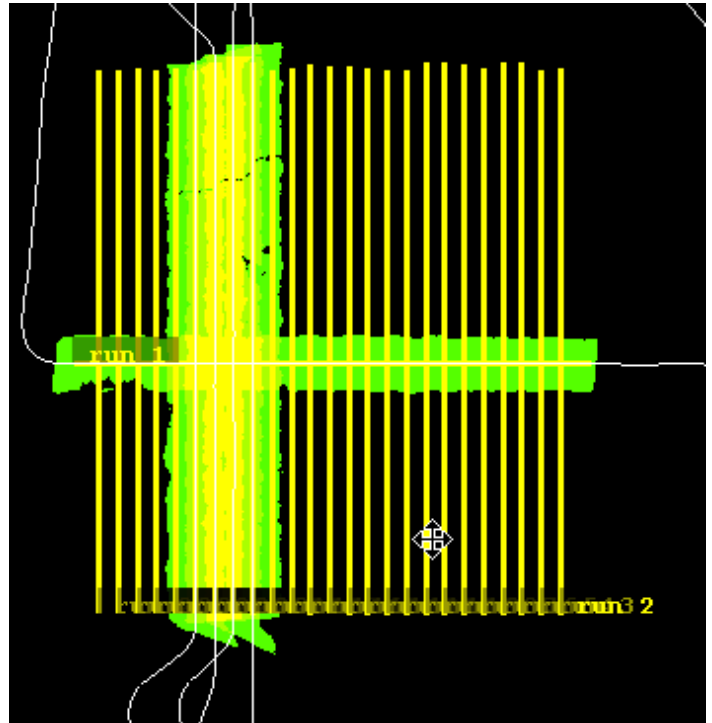| Line #	1	18	19	20	21
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

Total number of lines flown: 5

Flight Screenshots

NIS

LiDAR

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

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: 36% (9/25)
Green: 36% (9/25)
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: 0% (0/18)
Green: 0% (0/18)
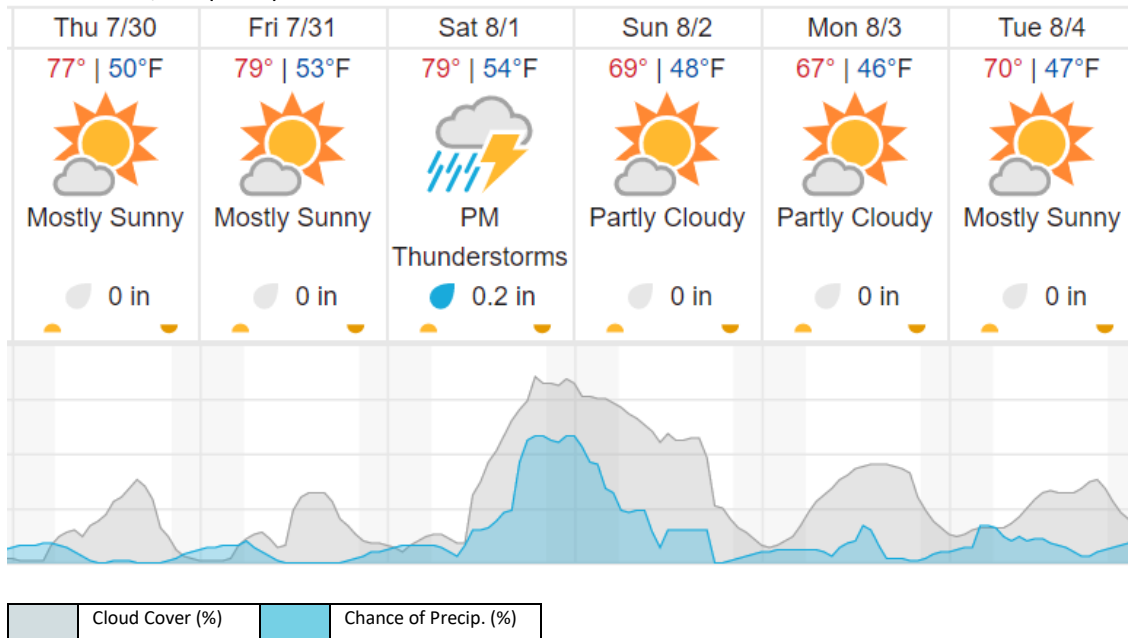Yellow: 0% (0/18)
Red: 0% (0/18)

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: 0% (0/28)
Green: 0% (0/28)
Yellow: 0% (0/28)
Red: 0% (0/28)

Weather Forecast

Rhinelander, WI (KRHI)

	Thu 7/30	Fri 7/31	Sat 8/1	Sun 8/2	Mon 8/3	Tue 8/4
High/Low	77° | 50°F	79° | 53°F	79° | 54°F	69° | 48°F	67° | 46°F	70° | 47°F
Conditions	Mostly Sunny	Mostly Sunny	PM Thunderstorms	Partly Cloudy	Partly Cloudy	Mostly Sunny
Precip	0 in	0 in	0.2 in	0 in	0 in	0 in

Cloud Cover (%)   Chance of Precip. (%)

Flight Collection Plan for 30 July 2020

Flyority 1
Collection Area: Steigerwaldt Land Services (STEI) – Treehaven (TREE)
Flight Plan Name: D05_STEI_TREE_R1_P1_v3_Q780
On-station Time: 0940 L / 1440 UTC

Flyority 2
Collection Area: UNDERC (UNDE)
Flight Plan Name: D05_UNDE_C1_P1_v2_Q780
On-station Time: 0940 L / 1440 UTC

Flyority 3
Collection Area: Chequamegon-Nicolet National Forest (CHEQ)
Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780
On-station Time: 0940 L / 1440 UTC

Crew: Mitch Haynes (Lidar), Cameron Chapman (NIS), Elissa Barris (Ground/GPS)