



June 17, 2019 Payload 3 Daily Flight Report



Date: 2019-06-17

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI

Domain: 05

Sites Flown: STEI_TREE_P1 (Steigerwaldt Land Services and Treehaven Priority 1), STEI_TREE_P2 (Steigerwaldt Land Services and Treehaven Priority 2)

Days left in Domain: 6

Report Author: Bridget Hass

Flight Crew: Bridget Hass, Nick Marusich

Ground/GPS: John Adler

Pilots: Mike Francis, Jeff Quintanilla

Additional Personnel:

GPS Instruments: WISCORS-RHER

Flight Hours: 01:57

Hours until maintenance: 18.32

Summary

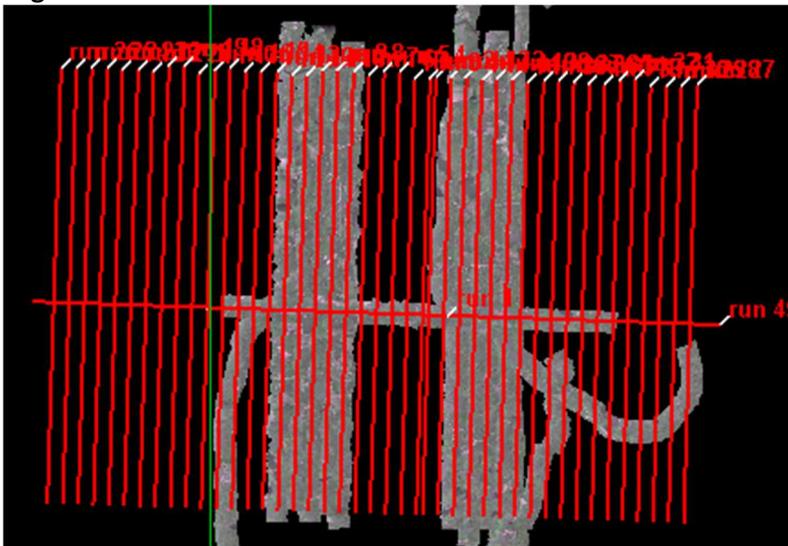
The crew greened up 4 lines at STEI_TREE P2 Box that were previously collected under red conditions, as well as 5 lines at STEI_TREE P1 Box previously collected in yellow collections. By the end of the collections, some small cirrus clouds started to grow in and around the flight boxes.

Concerns

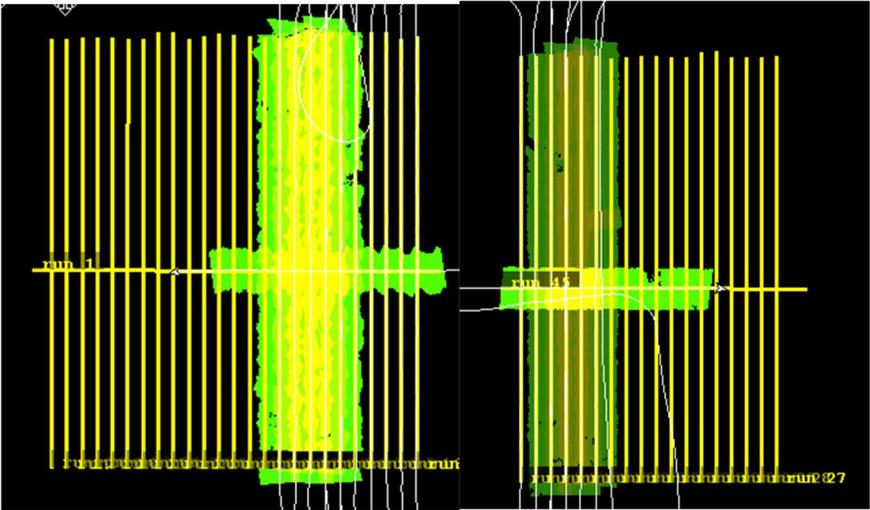
The first line collected at the STEI_TREE P2 Box (line 39) had lidar set at 6% power, it was not reflown because there was pre-existing lidar coverage.

Comments

Flight Screenshots



NIS Coverage over STEI_TREE P1 (left) and P2 (right) flight boxes.



LIDAR Coverage over STEI_TREE P1 (left) and P2 (right) flight boxes.

Pictures



Clouds along the horizon at the beginning of the flight (left) and clouds building in flight box near the end (right).

Daily Coverage

D05 STEI_TREE_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	×	NL
	7				✓	✓	×	NL
	8				✓	✓	×	NL
	9				✓	✓	×	NL
	10				✓	✓	×	NL
	11				✓	✓	×	NL
Flown:	6							
D05 STEI_TREE_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	39				✓	✓	×	NL
	40				✓	✓	×	NL
	41				✓	✓	×	NL
	42				✓	✓	×	NL
	45				✓	✓	×	NL
Flown:	5							

Cumulative Domain Coverage

CHEQ

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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Flown: 100% (17/17)

Green: 0% (0/17)

Yellow: 106% (18/17)

Red: 0% (0/17)

STEI_TREE_P1

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% (26/26)

Green: 100% (26/26)

Yellow: 31% (8/26)

Red: 0% (0/26)

STEI_TREE_P2

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
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Flown: 100% (19/19)

Green: 26% (5/19)

Yellow: 84% (16/19)

Red: 26% (5/19)

UNDE

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	27	28	29											

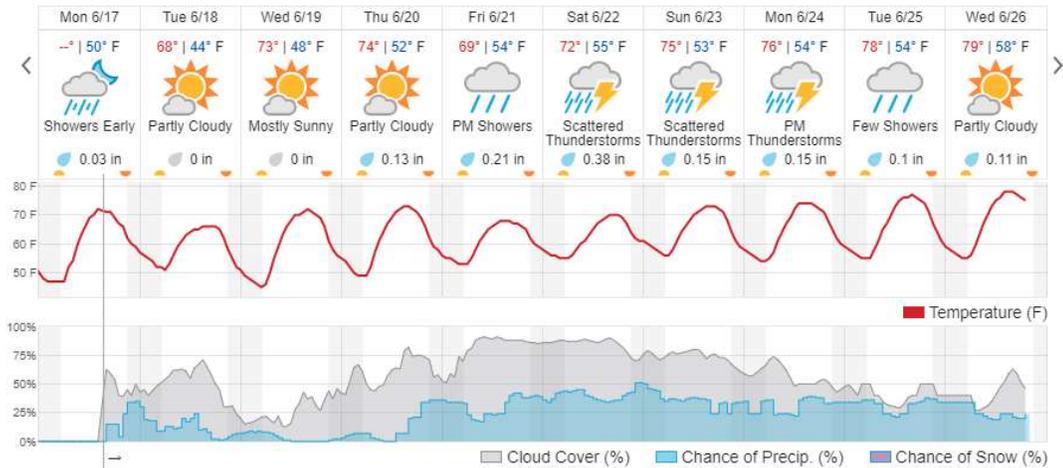
Flown: 100% (29/29)

Green: 103% (30/29)

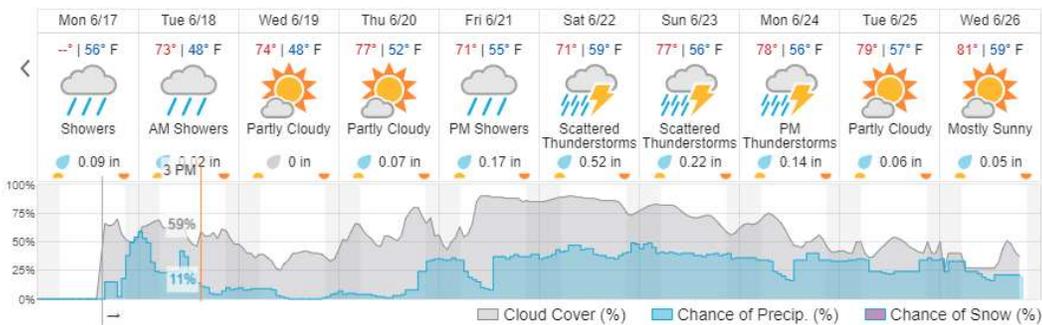
Yellow: 0% (0/29)

Red: 0% (0/29)

Weather Forecast – Park Falls, WI (Closest Station to CHEQ)



Rhineland, WI (Closest Station to STEI-TREE)



Flight Collection Plan for 17 June 2019

Flyority 1

Collection Area: Chequamegon-Nicolet National Forest (CHEQ)

Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780^[SEP]

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

*If green conditions exist

Flyority 2

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 2 Flight Box

Flight Plan Name: D5_STEI_TREE_R1_P2_v3_Q780^[SEP]

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Lines 27-38,43-44 *If green conditions exist

Crew: Nick Marusich (Lidar), John Adler (NIS), Bridget Hass (Ground/GPS)