



June 8, 2019 Payload 3 Daily Flight Report



Date: 2019-06-08

Flight Campaign ID: 2019_P3C1

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

Domain: 05

Sites Flown: UNDE (University of Notre Dame Environmental Research Center), STEI_TREE_P1 (Steigerwaldt Land Services and Treehaven Priority 1)

Days left in Domain: 14

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Ivana Vu

Ground/GPS: Robb Walker

Pilots: Gina Moore, Jeff Quintanilla

Additional Personnel:

GPS Instruments: AOP_UNDE, WISCORS-RHER

Flight Hours: 03:27, 02:54, 06:21

Hours until maintenance: 23.15

Summary

A beautiful day in the Northwoods allowed for two flights under mostly "green" conditions today. The flyority 1 area, UNDE, was completed and the flyority 2 area, STEI_TREE_P1, is now 77% complete under mostly "green" conditions.

Concerns

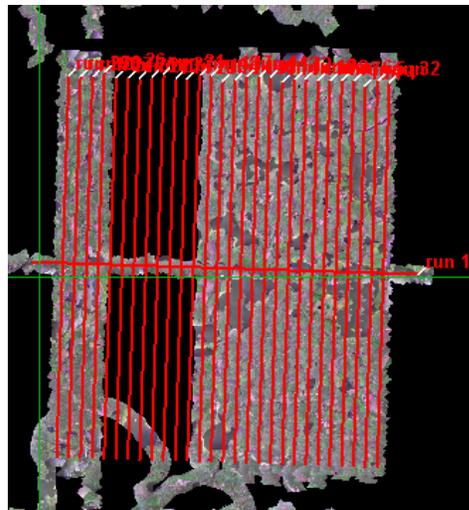
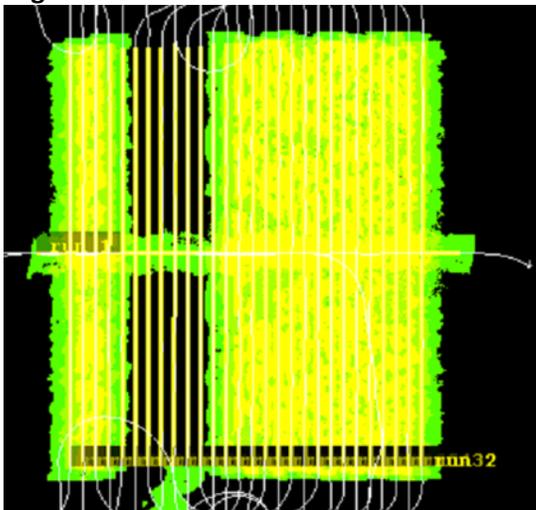
Hotel Kit 3 QAQC is taking an exceptionally long time to complete for the previous flight 2019060617. It has been running for nearly 48 hours.

Comments

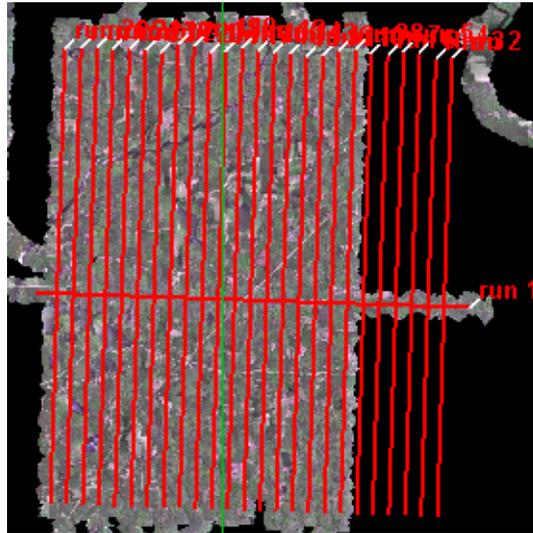
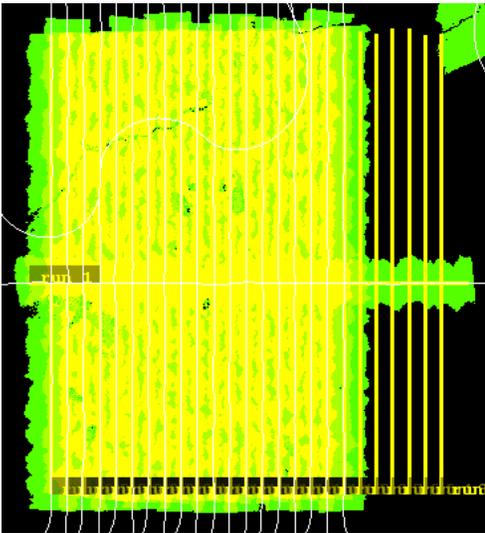
Flight Ops 3 was notified that the DLR Earth Sensing Imaging Spectrometer was attempting to perform coincidental measurements over UNDE today!

https://www.nasa.gov/mission_pages/station/research/experiments/explorer/Investigation.html?id=1778

Flight Screenshots



UNDE



STEL_TREE_P2

Pictures



Clear skies with some haze near UNDE today

Daily Coverage

D05 UNDE	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✗	NL
	2				✓	✓	✗	NL
	3				✓	✓	✗	NL
	4				✓	✓	✗	NL
	5				✓	✓	✗	NL
	6				✓	✓	✗	NL
	7				✓	✓	✗	NL

	8				✓	✓	×	NL
	9				✓	✓	×	NL
	10				✓	✓	×	NL
	11				✓	✓	×	NL
	12				✓	✓	×	NL
	13				✓	✓	×	NL
	14				✓	✓	×	NL
	15				✓	✓	×	NL
	16				✓	✓	×	NL
	17				✓	✓	×	NL
	26				✓	✓	×	NL
	27				✓	✓	×	NL
	28				✓	✓	×	NL
	29				✓	✓	×	NL
Flown:	21							

D05 STEI_TREE_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	×	NL
	8				✓	✓	×	NL
	9				✓	✓	×	NL
	10				✓	✓	×	NL
	11				✓	✓	×	NL
	12				✓	✓	×	NL
	13				✓	✓	×	NL
	14				✓	✓	×	NL
	15				✓	✓	×	NL
	16				✓	✓	×	NL
	17				✓	✓	×	NL
	18				✓	✓	×	NL
	19				✓	✓	×	NL
	20				✓	✓	×	NL
	21				✓	✓	×	NL
	22				✓	✓	×	NL
	23				✓	✓	×	NL
	24				✓	✓	×	NL
	25				✓	✓	×	NL
	26				✓	✓	×	NL
Flown:	20							

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: 100% (17/17)

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: 77% (20/26)
 Green: 62% (16/26)
 Yellow: 19% (5/26)
 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: 79% (15/19)
 Green: 0% (0/19)
 Yellow: 68% (13/19)
 Red: 16% (3/19)

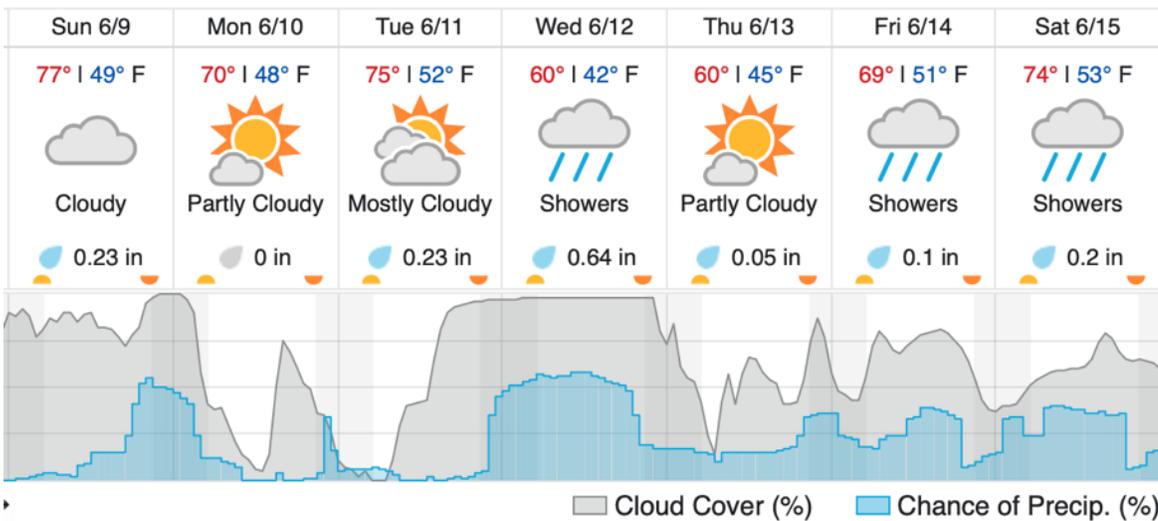
UNDE

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											

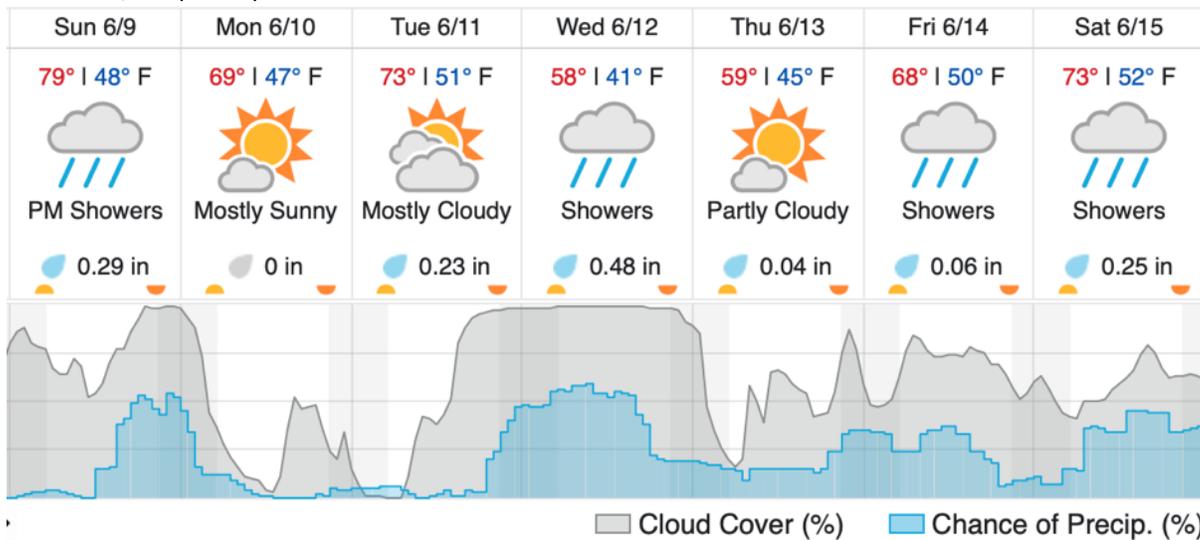
Flown: 100% (29/29)
 Green: 103% (30/29)
 Yellow: 0% (0/29)
 Red: 0% (0/29)

Weather Forecast

Rhineland, WI



Woodruff, WI (CHEQ)



Flight Collection Plan for 09 June 2018

Scheduled No Fly Day

Flight Collection Plan for 10 June 2018

Flyority 1

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 1 Flight Box

Flight Plan Name: D5_STEI_TREE_R1_P1_v3_Q780

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

Lines 2- 7

Flyority 2

Collection Area: Chequamegon-Nicolet National Forest (CHEQ)

Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780

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

*If green conditions exist

Flyority 3

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

Flight Plan Name: D5_STEI_TREE_R1_P2_v3_Q780

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