



October 12, 2018 Payload 2 Daily Flight Report



Date: 2018-10-12

Flight Campaign ID: 2018_P2C1

Airport, FBO ID, City: Kissimmee Gateway Airport (KISM) - Kissimmee, FL

Domain: 03

Sites Flown: OSBS_P1 (Ordway-Swisher Biological Station Priority 1), OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

Days left in Domain: 3

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Ivana Vu

Flight Hours: (03:40)(2:09) = 5:49

Ground/GPS: None

Hours until maintenance: 72.92

Pilots: Mike Francis, Dylan Malfatti

Additional Personnel: None

GPS Instruments: FDOT-FLCC, FDOT-HULK, Non-NEON GPS through Univ. of Florida GatorEye Team

Summary

With clear skies overhead at Ordway-Swisher Biological Station two flights were conducted to “green-up” the OSBS Priority 1 box and to collect over half of the OSBS Priority 2 box. A total of 35 lines were flown today. The University of Florida’s SPEC lab team was also able to fly the GatorEye UAV concurrently with the Twin Otter capturing 150GB of lidar, hyperspectral, and visual imagery over the north airshed.

Concerns

The camera software crashed twice during the first flight resulting in the loss of photos for two lines.

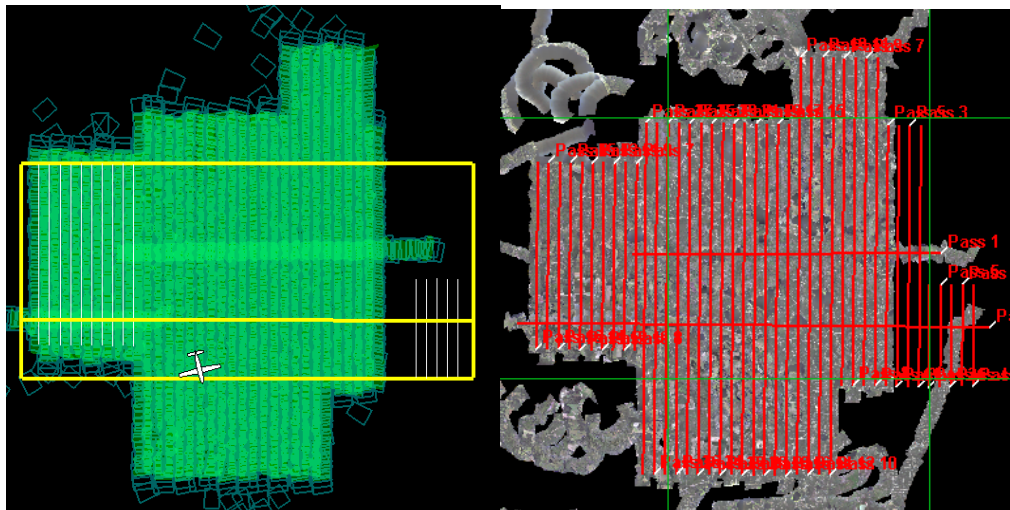
Comments

-The NEON crew was helped out by the University of Florida’s GatorEye team as they provided the GPS basestation for today’s flights and saved us a long drive. Thanks!

-Abe Morrison departed today for Boulder. Thanks for your hard work Abe!

-Twin Otter pilot Ross Rice arrived this evening

Flight Screenshots



Pictures



Clear but hazy sky conditions near Ordway Swisher Biological Station



The GatorEye UAV flying concurrently with the Twin Otter at OSBS,
Photo by Andrea Chavez, Research Associate with the SPEC Lab

Daily Coverage

D03 OSBS_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	X	NL
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	X	NL
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
Flown:	24							
D03 OSBS_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
Flown:	11							

Cumulative Domain Coverage

DSNY

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	30	31	32	33	34	35	36				

Flown: 8% (3/36)

Green: 0% (0/36)

Yellow: 0% (0/36)

Red: 8% (3/36)

JERC_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: 96% (25/26)

Yellow: 27% (7/26)

Red: 19% (5/26)

JERC_P2

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															

Flown: 100% (25/25)

Green: 40% (10/25)

Yellow: 56% (14/25)

Red: 12% (3/25)

OSBS_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	27													

Flown: 100% (27/27)

Green: 104% (28/27)

Yellow: 11% (3/27)

Red: 81% (22/27)

OSBS_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
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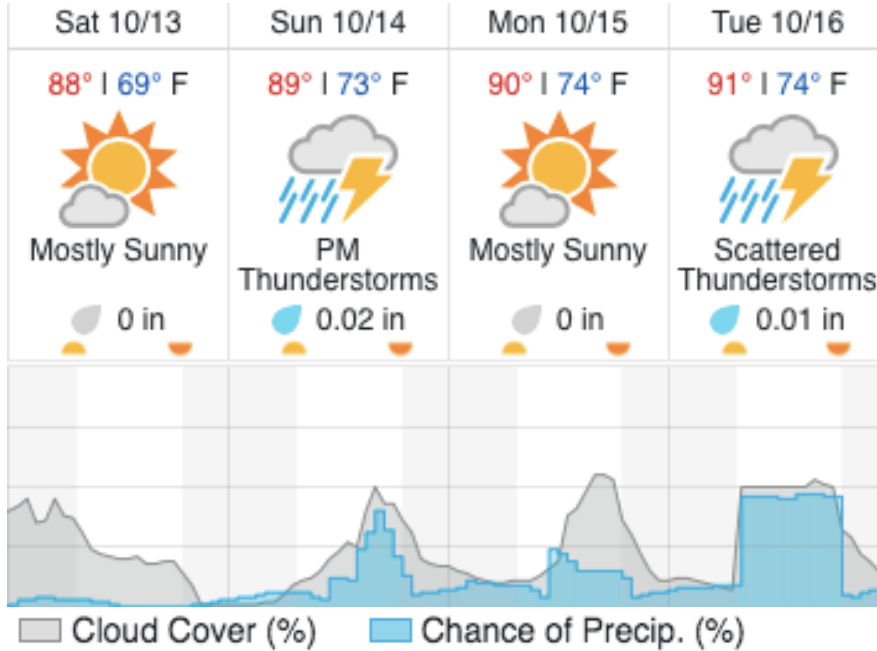
Flown: 69% (11/16)

Green: 69% (11/16)

Yellow: 0% (0/16)

Red: 0% (0/16)

Weather Forecast



Flight Collection Plan for 13 October 2018

Flyority 1

Collection Area: Disney Wilderness Preserve (DSNY)

Flight Plan Name: D03_DSNY_R1_P1_v2B.pln

40° On Station Time: 1050 Local / 1450 UTC

30° On Station Time: 1000 Local / 1400 UTC

Crew

Lidar: Ivana Vu **NIS:** Mike Wussow