



## October 7, 2018 Payload 2 Daily Flight Report



**Date:** 2018-10-07

**Flight Campaign ID:** 2018\_P2C1

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

**Domain:** 03

**Sites Flown:** DSNY (Disney Wilderness Preserve )

**Days left in Domain:** 4

**Report Author:** Abe Morrison

**Flight Crew:** Abe Morrison, Ivana Vu

**Ground/GPS:** Cameron Chapman

**Pilots:** Dylan Malfatti, Mike Francis

**Additional Personnel:**

**GPS Instruments:** 12 - DSNY, FDOT-FLCC, FDOT-HULK

**Flight Hours:** 00:48

**Hours until maintenance:** 78.73

### Summary

The crew launched this morning to start collections at the beginning of the 30deg solar angle and was greeted at the site by building clouds. With a strong effort by our pilots to dance through the clouds we were only able to collect 2 lines and the cross strip before it became impossible to collect any more. Lines 14 and 15 in the airshed priority were collected in "red" sky conditions.

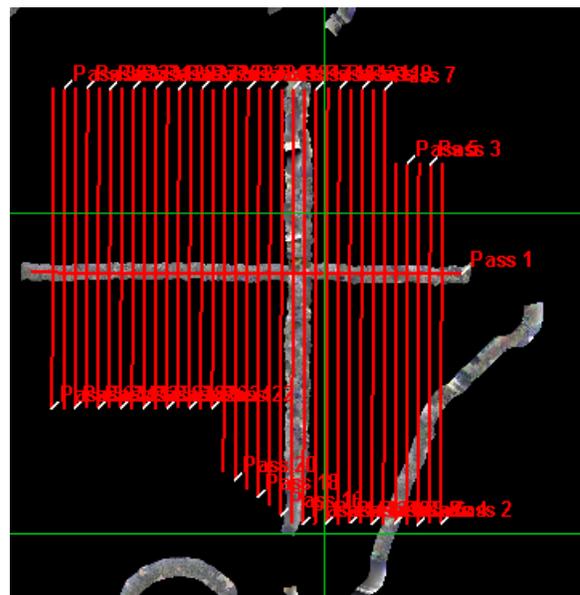
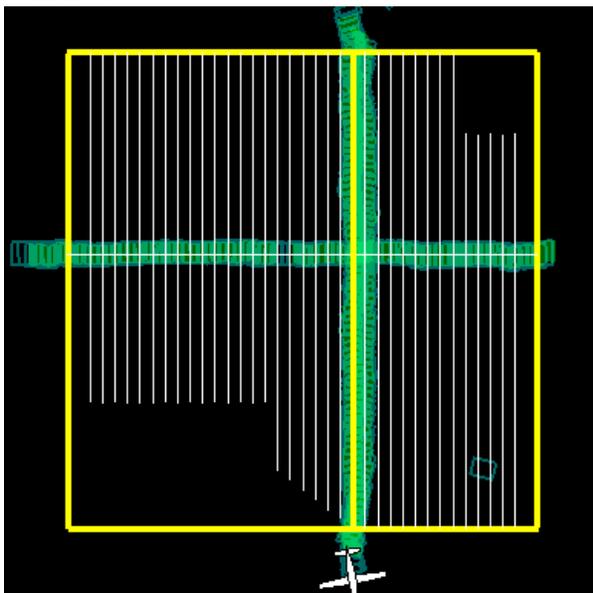
### Concerns

The Crew is monitoring Tropical Storm Michael that is currently near the Yucatan Peninsula. This storm is forecast to become a hurricane in the next day or so, and the current track takes it to northern Florida by Wednesday.

### Comments

--Ivana Vu arrived last night to join the crew.

### Flight Screenshots



## Pictures



Clouds popping at DSNY. Photo by Ivana Vu

## Daily Coverage

D03   DSNY	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
Flown:	3							

## 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: 15% (4/27)  
 Yellow: 11% (3/27)  
 Red: 81% (22/27)

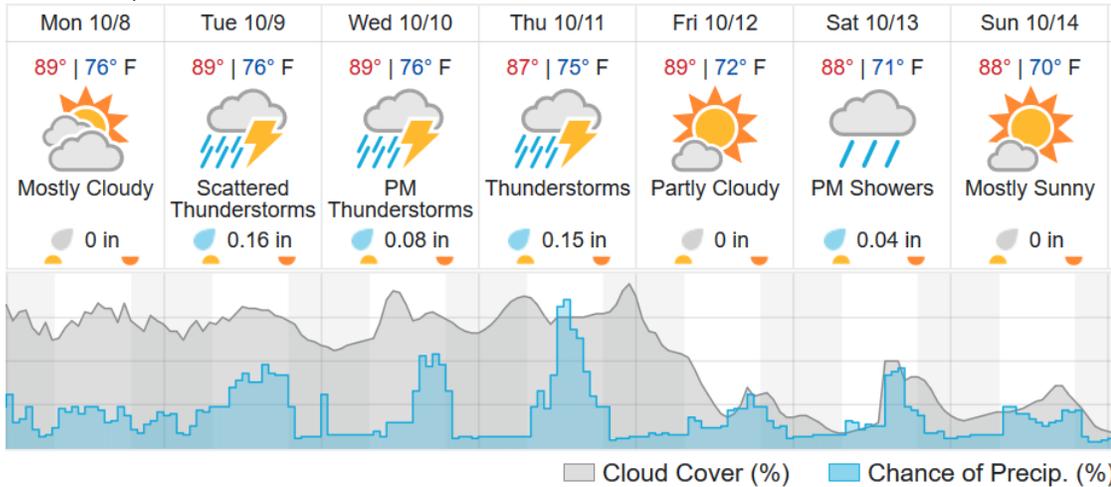
**OSBS\_P2**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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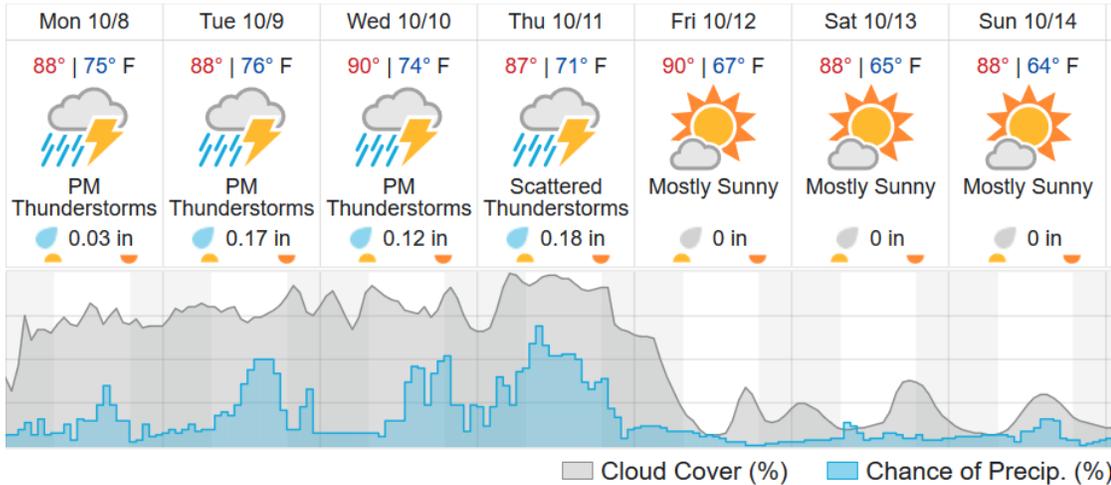
Flown: 0% (0/16)  
 Green: 0% (0/16)  
 Yellow: 0% (0/16)  
 Red: 0% (0/16)

**Weather Forecast**

Kissimmee, FL



Gainesville, FL



## **Flight Collection Plan for 8 Oct 2018**

### **Flyority 1**

Collection Area: Disney Wilderness Preserve (DSNY)

Flight Plan Name: D03\_DSNY\_R1\_P1\_v2B.pln

40° On Station Time: 1040 Local / 1440 UTC

30° On Station Time: 0950 Local / 1350 UTC

### **Flyority 2**

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 1 Flight Plan *\*\*If "Green" Sky conditions\*\**

Flight Plan Name: D03\_OSBS\_C1\_P1\_v2B.pln

40° On Station Time: 1050 Local / 1450 UTC

30° On Station Time: 1000 Local / 1400 UTC

### **Flyority 3**

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 2 Flight Plan

Flight Plan Name: D03\_OSBS\_C1\_P2\_v2B.pln

40° On Station Time: 1050 Local / 1450 UTC

30° On Station Time: 1000 Local / 1400 UTC

### **Crew**

**Lidar:** Ivana Vu **NIS:** Cameron Chapman **Ground:** Abe Morrison