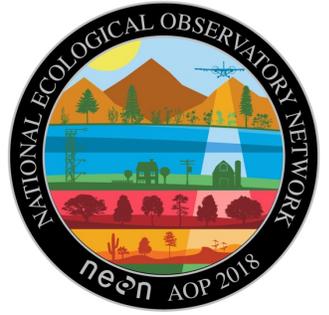




## September 15, 2018 Payload 2 Daily Flight Report



**Date:** 2018-09-15

**Flight Campaign ID:** 2018\_P2C1

**Airport, FBO ID, City:** Gainesville Regional Airport (KGNV) - Gainesville, FL

**Domain:** 03

**Sites Flown:** OSBS\_P1 (Ordway-Swisher Biological Station Priority 1)

**Days left in Domain:** 19

**Report Author:** Mitch Haynes

**Flight Crew:** Mitch Haynes, Cameron Chapman

**Ground/GPS:** Abe Morrison

**Pilots:** Gina Moore, Mike Francis

**Additional Personnel:**

**GPS Instruments:** C-GNVL, 10 - OSBS

**Flight Hours:** 03:15

**Hours until maintenance:** 98.13

### **Summary**

21 lines of initial coverage containing the airshed and TOS areas at Ordway-Swisher Biological Station were collected under red conditions today.

### **Concerns**

None

### **Comments**

- Hotel kit has been set up and is online; per request, extraction of today's flight will be delayed till Fernando is able to get on and adjust extraction code. Crew will wait for his confirmation before proceeding.
- GPS 10 was deployed at OSBS this morning and GPS 13 was deployed at JERC this afternoon.

### **Photos**

Below: NEON Tower located at Ordway-Swisher





Above: Looking west across Ordway-Swisher Biological Station. For context, Goose Lake located in the lower right corner, Long Pond in middle right. High cirrus and building cumulus clouds visible in the sky lead to the red conditions.

**Daily Coverage**

D03   OSBS_P1	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
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC

	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
Flown:	21							

**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: 0% (0/36)  
 Green: 0% (0/36)  
 Yellow: 0% (0/36)  
 Red: 0% (0/36)

**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: 0% (0/26)  
 Green: 0% (0/26)  
 Yellow: 0% (0/26)  
 Red: 0% (0/26)

**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: 0% (0/25)  
 Green: 0% (0/25)  
 Yellow: 0% (0/25)  
 Red: 0% (0/25)

**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													

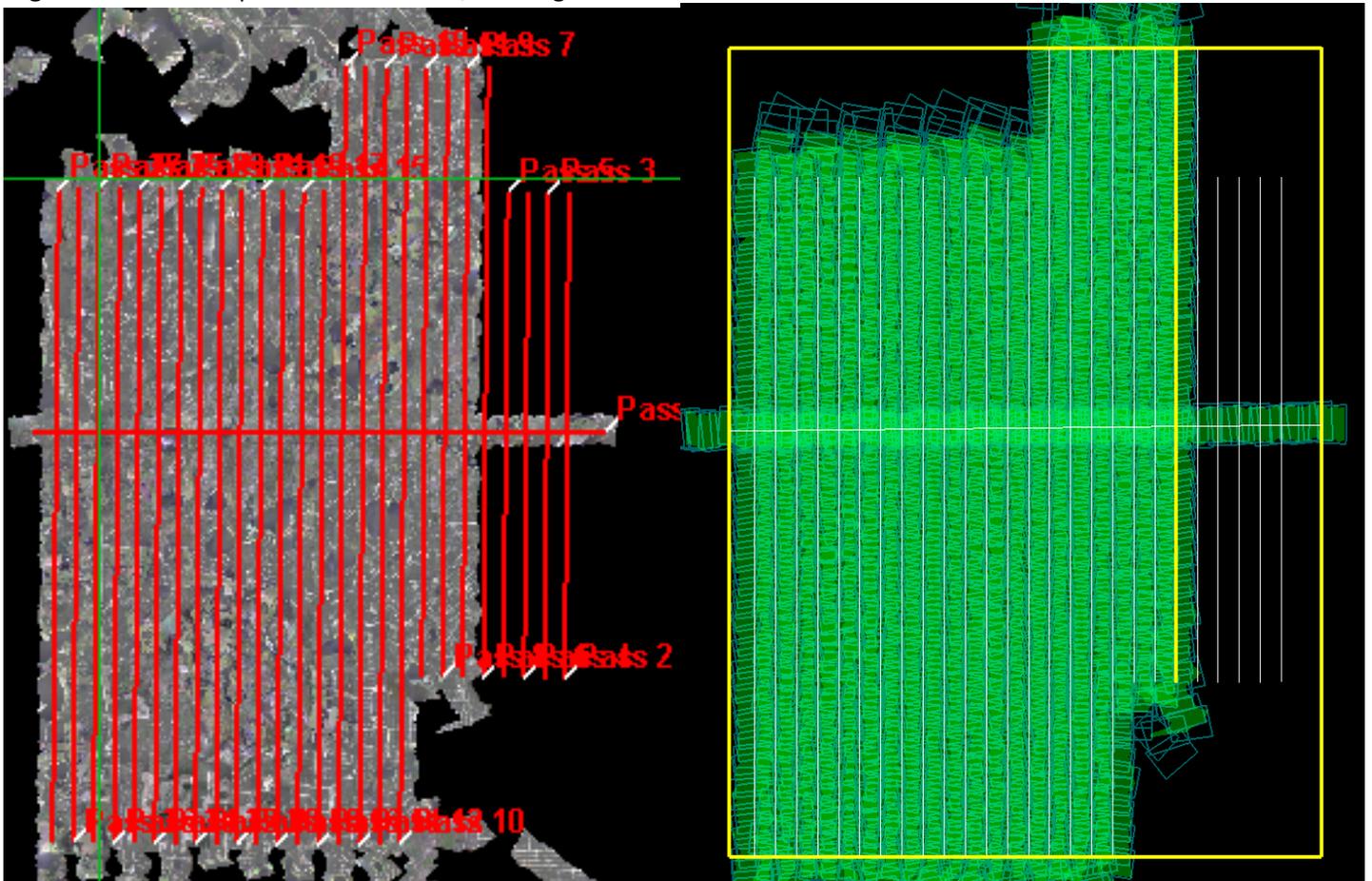
Flown: 81% (22/27)  
 Green: 0% (0/27)  
 Yellow: 0% (0/27)  
 Red: 81% (22/27)

**OSBS\_P2**

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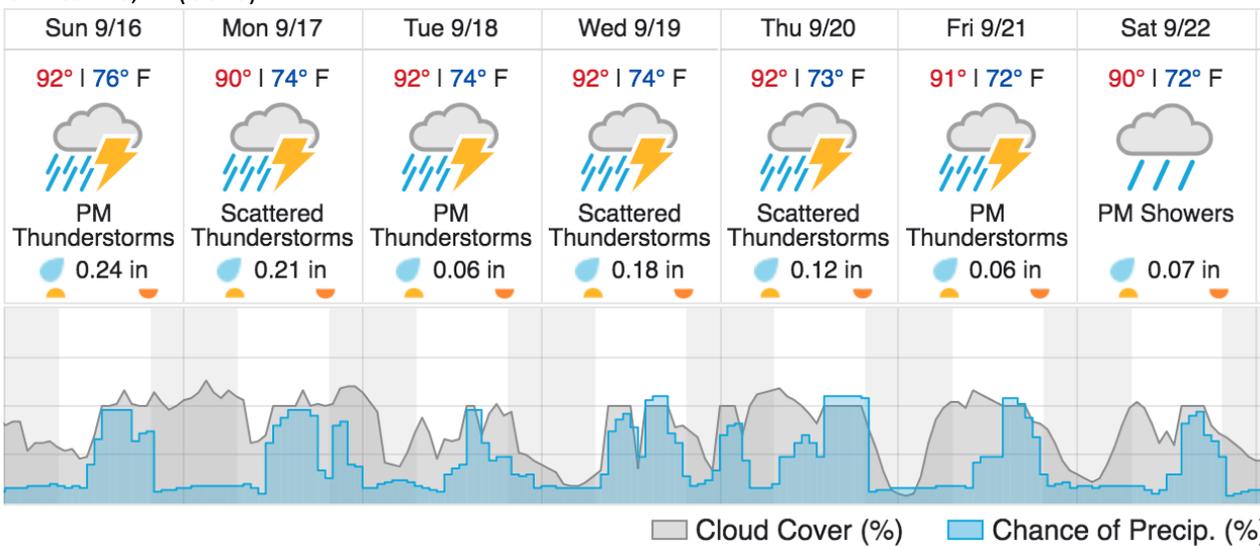
Flown: 0% (0/16)  
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 Yellow: 0% (0/16)  
 Red: 0% (0/16)

Flight Screenshots: Spectrometer on left, Lidar right

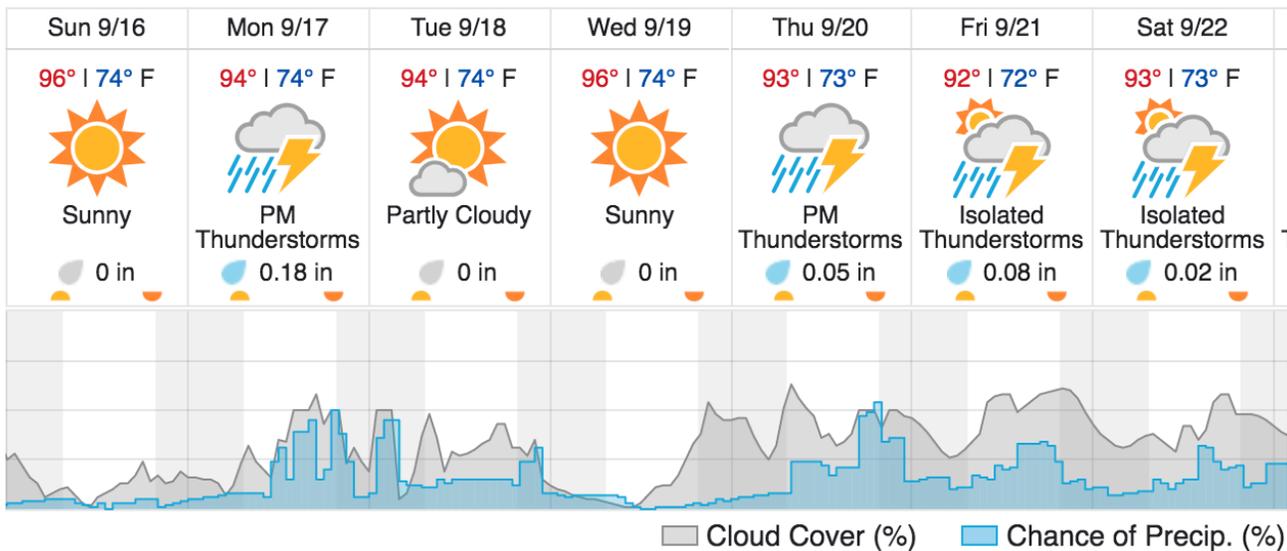


Weather Forecast

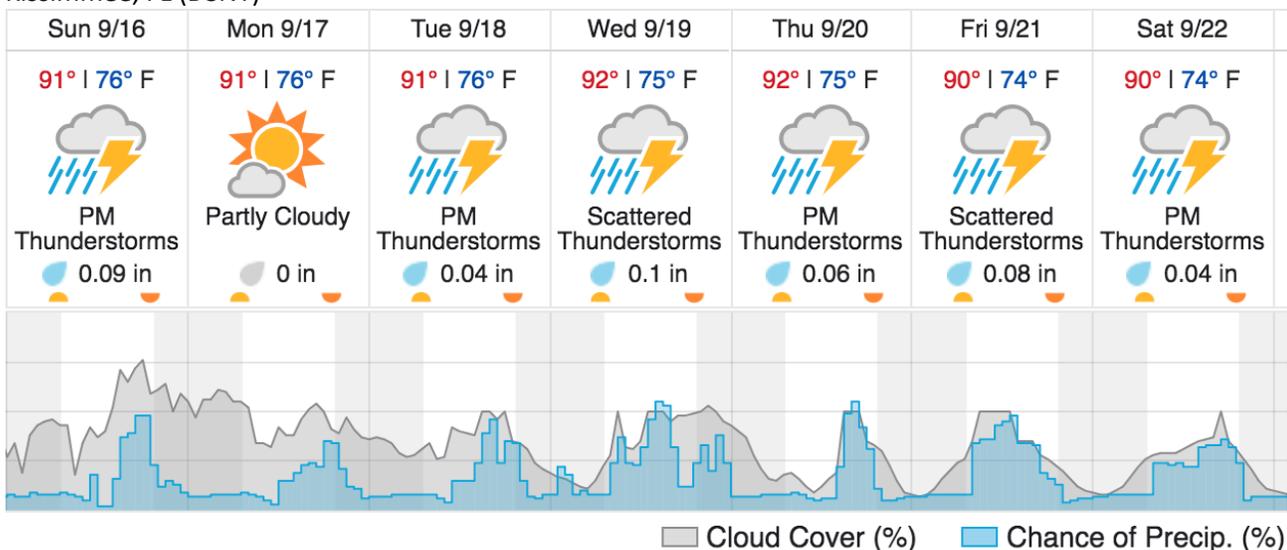
Gainesville, FL (OSBS)



Newton, GA (JERC)



Kissimmee, FL (DSNY)



**Flight Collection Plan for 15 Sept 2018**

**Flyority (Flight Priority) 1**

Collection Area: Disney Wilderness Preserve (DSNY)

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

On Station Time: 1020 Local / 1420 UTC

**Flyority 2**

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 1 Flight Plan

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

On Station Time: 1030 Local / 1430 UTC

**Flyority 3**

Collection Area: Jones Ecological Research Center (JERC) Priority 1 Flight Plan

Flight Plan Name: D03\_JERC\_R2\_P1\_v3B.pln

On Station Time: 1040 Local / 1440 UTC

**Flyority 4**

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

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

On Station Time: 1030 Local / 1430 UTC

**Flyority 5**

Collection Area: Jones Ecological Research Center (JERC) Priority 2 Flight Plan

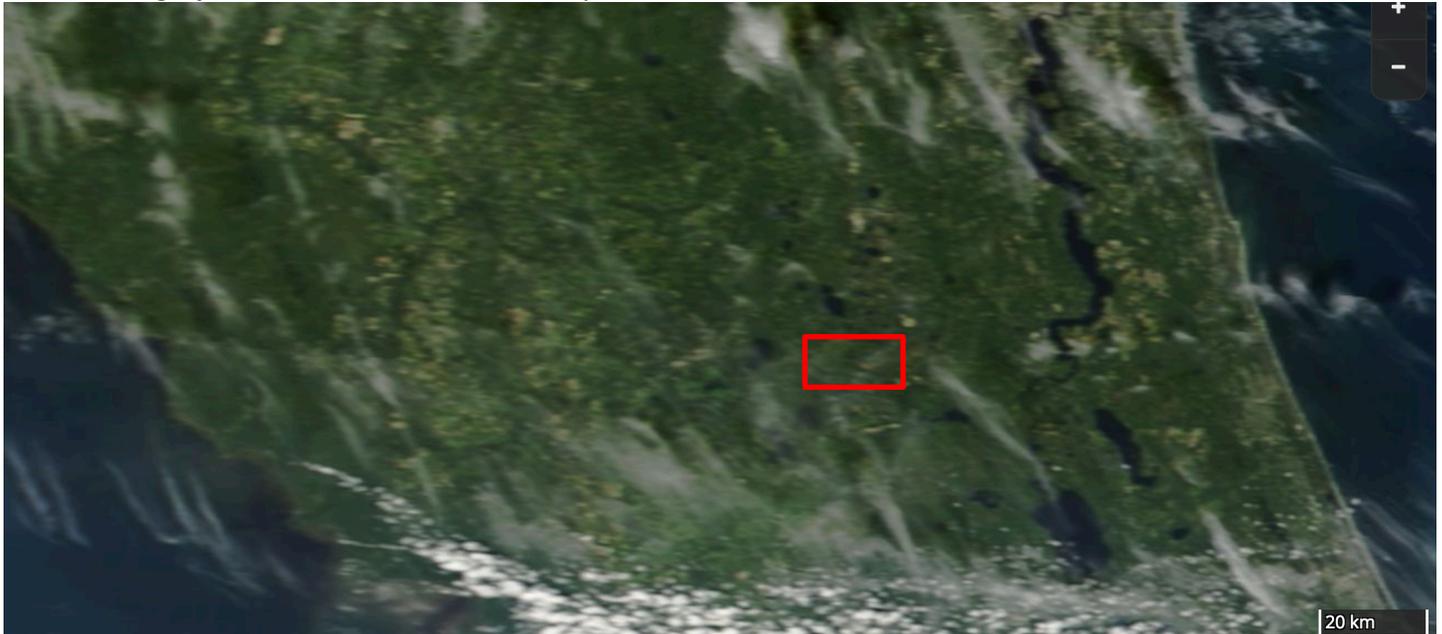
Flight Plan Name: D03\_JERC\_R2\_P2\_v3B.pln

On Station Time: 1040 Local / 1440 UTC

**Crew**

Lidar: Cameron Chapman NIS: Mitch Haynes, Ground: Abe Morrison

**Satellite Imagery Weather Screenshots (Courtesy of NASA Worldview)**



Above: High cirrus visible from MODIS satellite pass this morning, likely before cumulus clouds began building. Red box denotes rough location of Ordway-Swisher. Below: Greater context for the weather patterns we observed today and showing the vast scale and impact Hurricane Florence is bringing to the region.

