



## August 30, 2019 Payload 3 Daily Flight Report



**Date:** 2019-08-30

**Flight Campaign ID:** 2019\_P3C1

**Airport, FBO ID, City:** Thomasville Regional Airport (KTVI) - Thomasville, GA

**Domain:** 03

**Sites Flown:** JERC\_P1 (Jones Ecological Research Center Priority 1 )

**Days left in Domain:** 15

**Report Author:** Michael Wussow

**Flight Crew:** Michael Wussow, Robb Walker

**Ground/GPS:**

**Pilots:** Mike Francis, Shelby Schulz

**Additional Personnel:**

**GPS Instruments:** 06 - FBO\_KTVI, 10 - JERC

**Flight Hours:** 01:13, 02:51

**Hours until maintenance:** 32.15

### Summary

In an effort to survey JERC before any potential changes occur from the path of Hurricane Dorian, two flights were conducted today. The first resulted in an aborted flight due to pilot display complications and second flight completed half of the box in borderline yellow/red cloud cover conditions. There was also a significant amount of haze and smoke in the air.

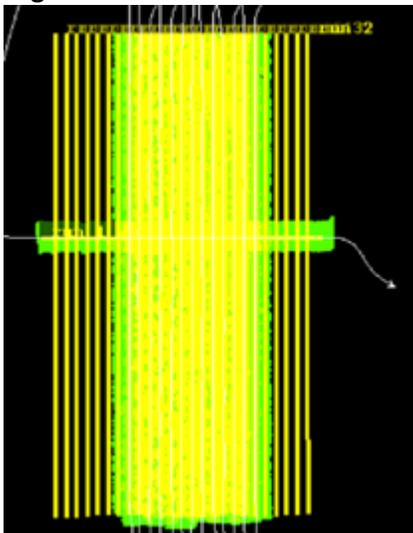
### Concerns

For an undetermined reason, the JERC Tracker flight plans would not properly load on the pilot display when all other flight plans would. The aircraft was grounded and after discussions and troubleshooting with AOP lab and flight planning staff, the issue with this specific flight plan is still a mystery.

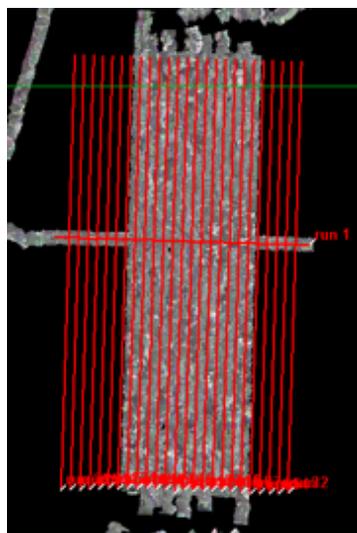
### Comments

The second survey flight was flown using KML's in Foreflight and this method worked well.

### Flight Screenshots



LIDAR



NIS

## Daily Coverage

D03 JERC_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
Flown:	14							

## Cumulative Domain Coverage

### 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: 54% (14/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 54% (14/26)

### JERC\_P2

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
47	48	49	50	51																

Flown: 0% (0/25)

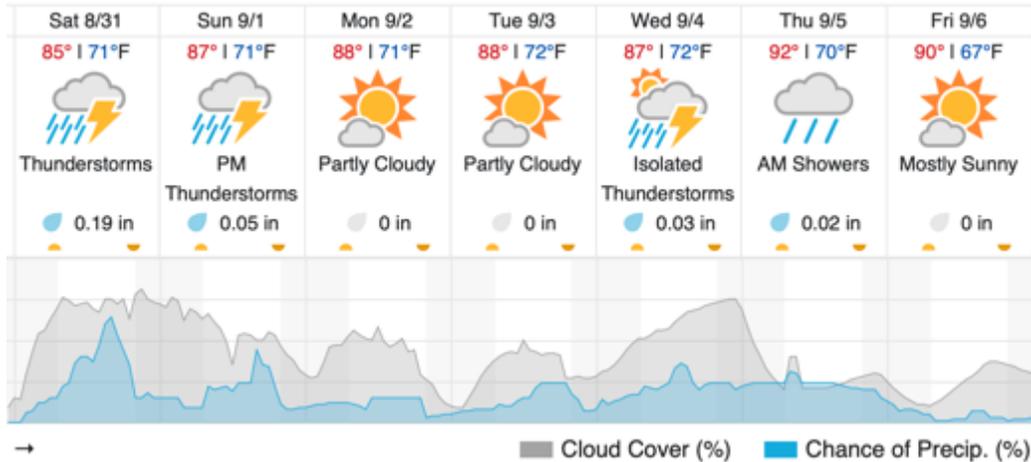
Green: 0% (0/25)

Yellow: 0% (0/25)

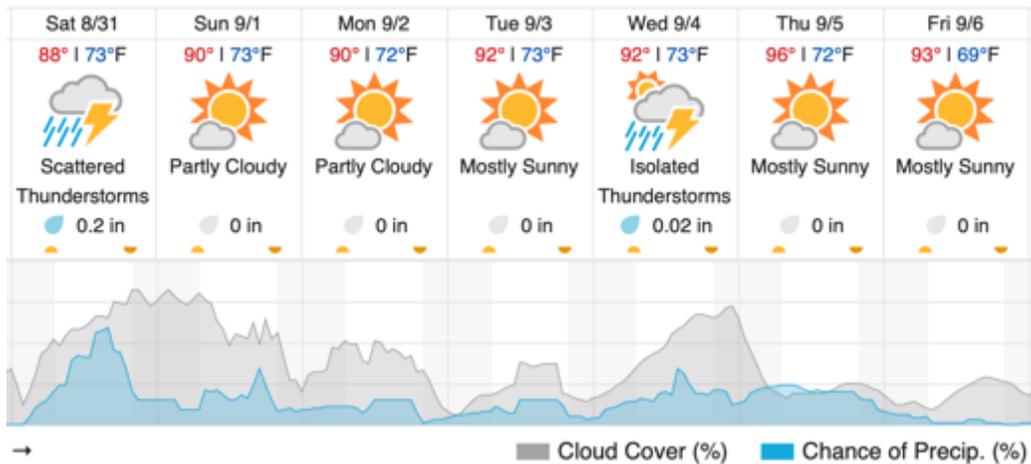
Red: 0% (0/25)

## Weather Forecast

Thomasville, GA



Camilla, GA



## Flight Collection Plan for 31 August 2019

### Flyority 1

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

Flight Plan Name: D03\_JERC\_R2\_P1\_v5\_Q780

On-Station Time: 1430 – 2040 UTC / 1030 – 1640 L

### Flyority 2

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

Flight Plan Name: D03\_JERC\_R2\_P2\_v5\_Q780

On-Station Time: 1430 – 2040 UTC / 1030 – 1640 L

Crew: Robb Walker (Lidar), Mike Wussow (NIS/Ground)