



## September 16, 2018 Payload 2 Daily Flight Report



**Date:** 2018-09-16

**Flight Campaign ID:** 2018\_P2C1

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

**Domain:** 03

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

**Days left in Domain:** 18

**Report Author:** Cameron Chapman

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

**Ground/GPS:** Abe Morrison

**Pilots:** Gina Moore, Mike Francis

**Additional Personnel:**

**GPS Instruments:** 13 - JERC, C-GNVL, C-TALH

**Flight Hours:** 00:52 - 03:51 – 00:53

**Hours until maintenance:** 92.48

### Summary

With clouds covering all Florida sites, we headed north to southern Georgia where we were greeted with clear morning skies. Cumulus clouds began to build throughout the afternoon however we were able to collect 10 lines at JERC including the entire air shed in nominal conditions! We used nearby FBO's to fuel the aircraft pre and post flight to maximize our collection.

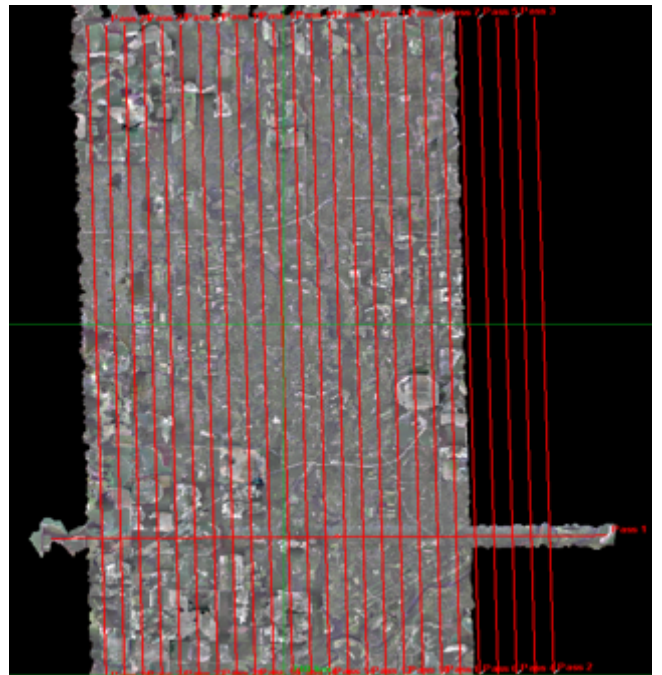
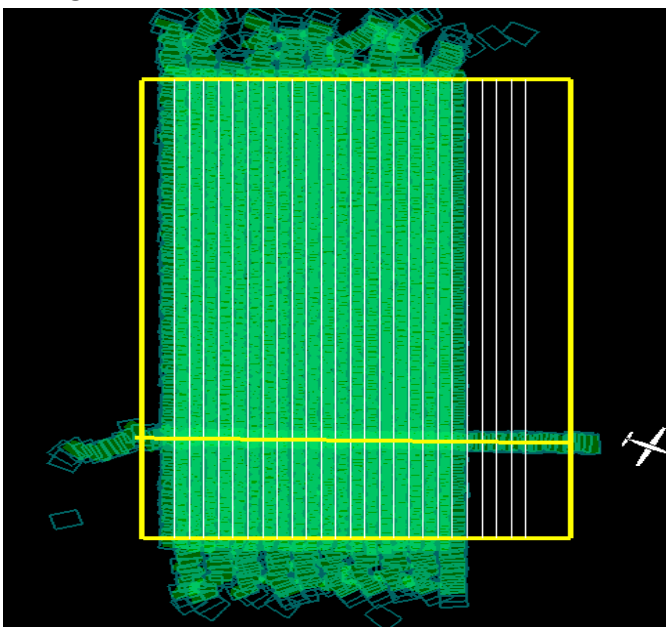
### Concerns

P2 GPU exhibiting anomalous power behavior. An in-depth investigation will ensue.

### Comments

- Completed lines 1, 7-26
- Abe met with Eben's Group from Gator Eye / University of Florida
- GPS 12 (OSBS) was visited

### Flight Screenshots: Lidar - NIS



## Pictures



Above: Clear skies in the morning at JERC. Image captured while flying JERC looking West  
Below: Descending into Tallahassee Florida for fuel after the JERC flight.

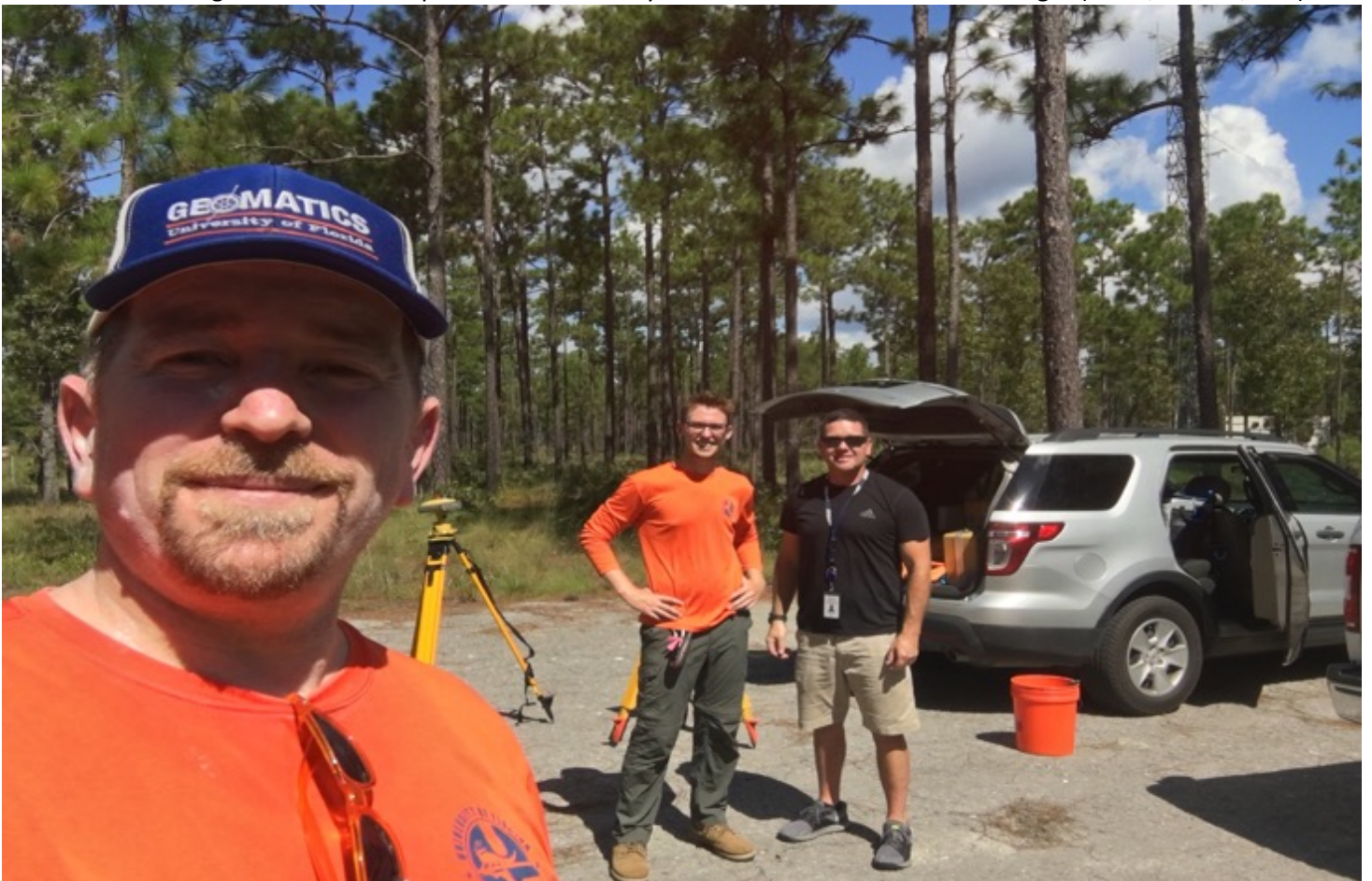






Above: Afternoon thunderstorms around the Gainesville Airport!

Below: Abe meeting with Eben's Group from the University of Florida. Pictured From Left – Right (Yusuf, Charlie, Abe)



## 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
	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: 81% (21/26)

Green: 38% (10/26)

Yellow: 23% (6/26)

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: 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)

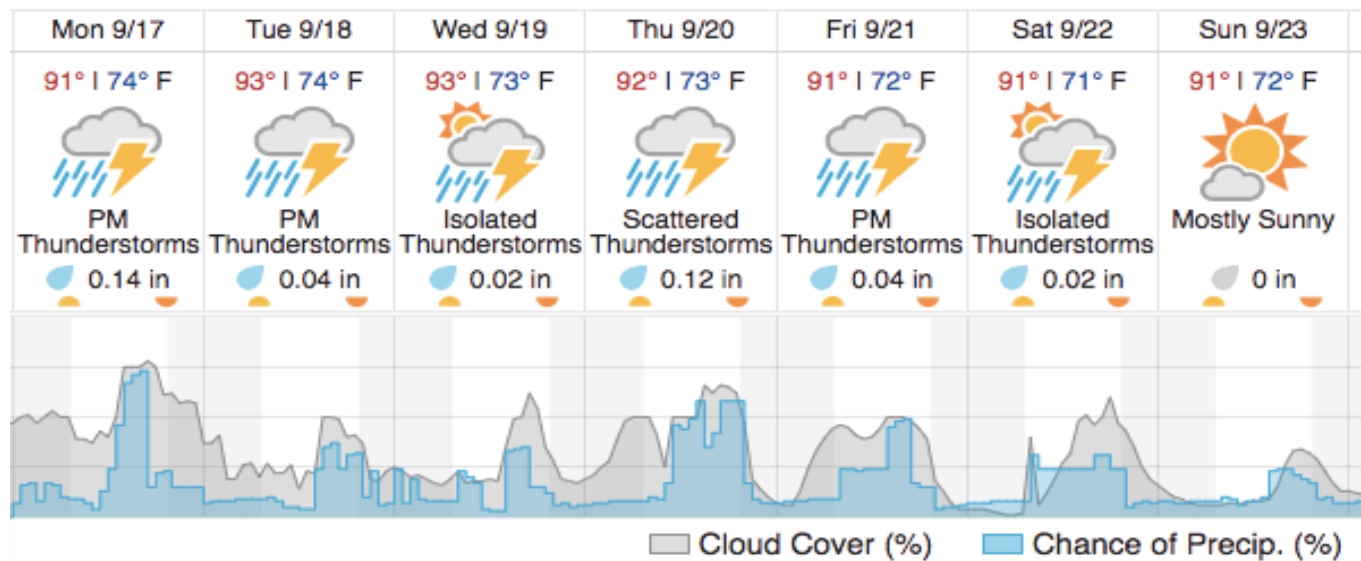
Green: 0% (0/16)

Yellow: 0% (0/16)

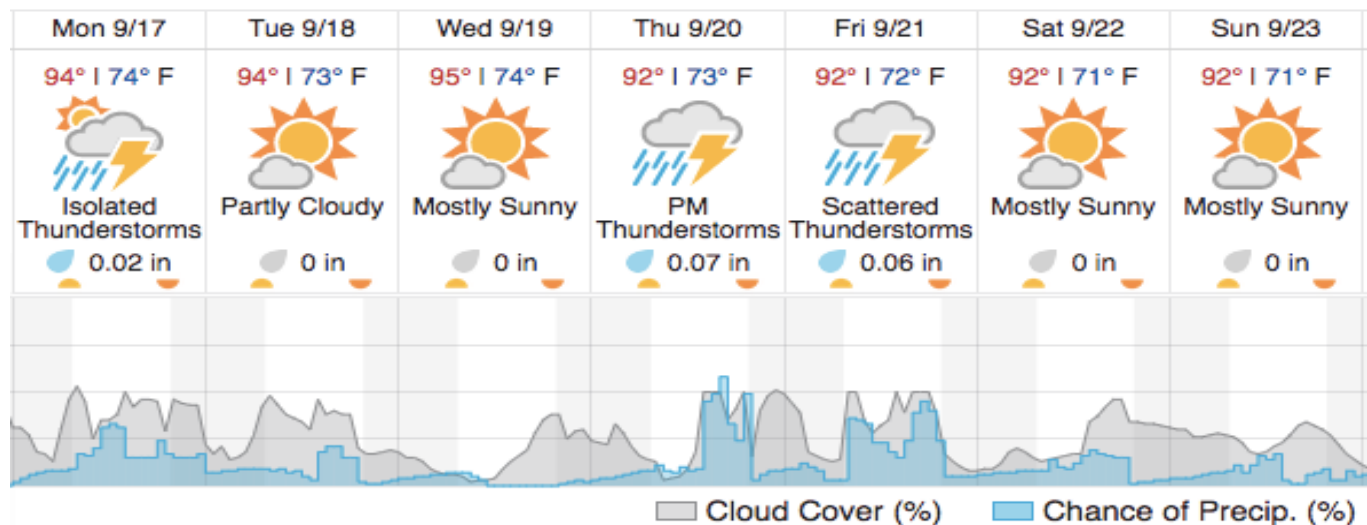
Red: 0% (0/16)

## Weather Forecast

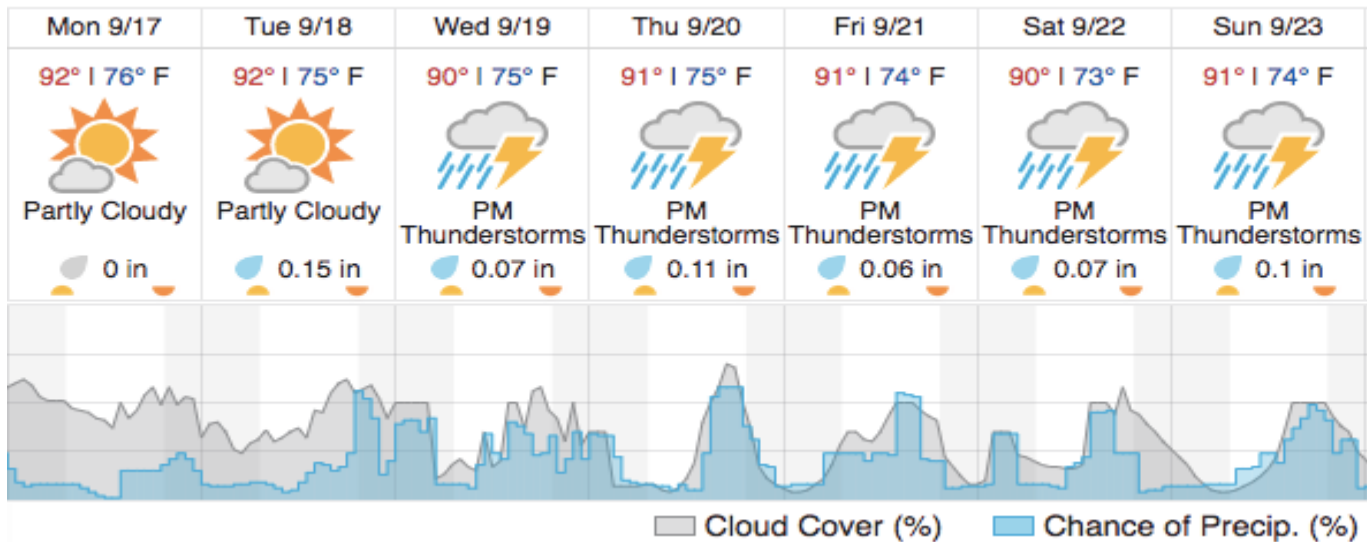
Gainesville, FL (OSBS)



Newton, GA (JERC)



Kissimmee, FL (DSNY)



### Flight Collection Plan for 17 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 ( Lines 1 – 6 & 17 – 26) If “green”

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

#### **New Issues**

Fault: Power	Open Date: 2018-09-16
Payload 2 GPU experiencing Intermittent power issues. Seems to occur after tow from hangar. second occurrence.	