



September 17, 2018 Payload 2 Daily Flight Report



**Date:** 2018-09-17

**Flight Campaign ID:** 2018\_P2C1

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

**Domain:** 03

**Sites Flown:** None

**Days left in Domain:** 17

**Report Author:** Mitch Haynes

**Flight Crew:** Mitch Haynes, Abe Morrison

**Flight Hours:** 00:00

**Ground/GPS:** Cameron Chapman

**Hours until maintenance:** 92.48

**Pilots:** Mike Francis, Gina Moore

**Additional Personnel:** None

**GPS Instruments:** N/A

**Summary**

High cirrus and low clouds visible forming at all sites this morning, with convection leading to afternoon thunderstorm activity, especially near Gainesville. No flights were attempted. A trip down to the Disney Wilderness Preserve was conducted to download data and shift GPS 12 for the TIS GeolD Corrections project, as well as correct the configuration for our skyward facing camera.

**Concerns**

- Running into some new errors with the extraction and QAQC of yesterday's flight. POSPAC is in the process of being re-installed, and then re-extraction will occur.

**Comments**

- Replacement GPU being sent to Gainesville from Boulder. Once it arrives, our current GPU will be shipped back to the manufacturer for troubleshooting. Potentially a bad fuse inside.
- Airport Badges will be approved tomorrow for Abe and Mitch. This should greatly improve our ability to operate independently at the hangar in Gainesville.
- In order to still provide power options to other clients in our hangar while we're there, airport operations are looking to install a second power outlet this week. Hangar will be without power during this installation (potentially up to 4 hours). Flight crew is exploring options to keep the payload powered during this time frame.

**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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Flown: 0% (0/16)

Green: 0% (0/16)

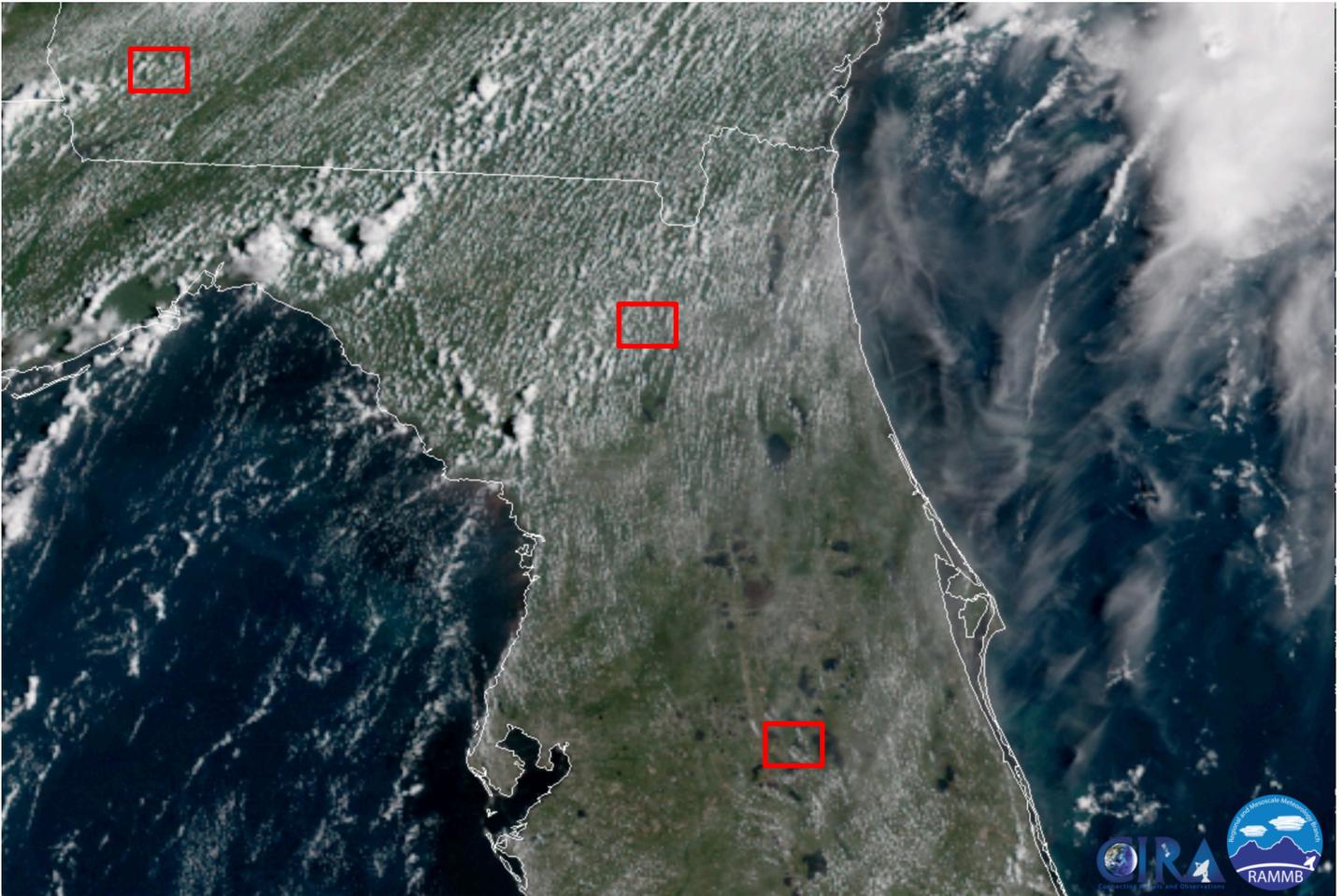
Yellow: 0% (0/16)

Red: 0% (0/16)

### Pictures

Below: Cumulus clouds over Disney Wilderness Preserve

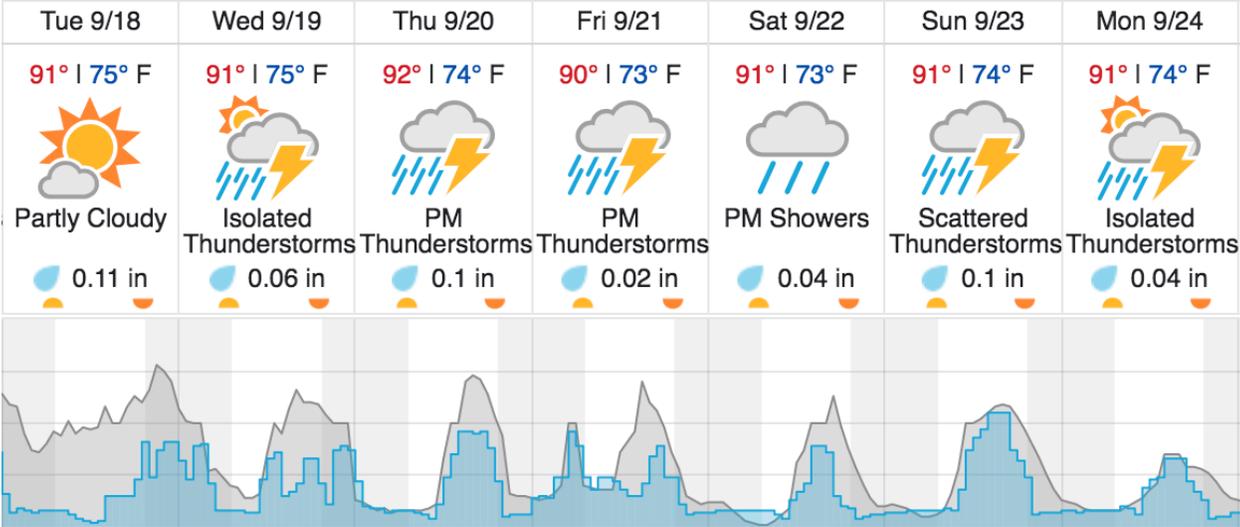




Above: GOES-16 Satellite imagery courtesy of NOAA and CSU RAMMB from before sun angle this morning. Red boxes are designating the rough locations of JERC, OSBS, and DSNY from top left to lower right.

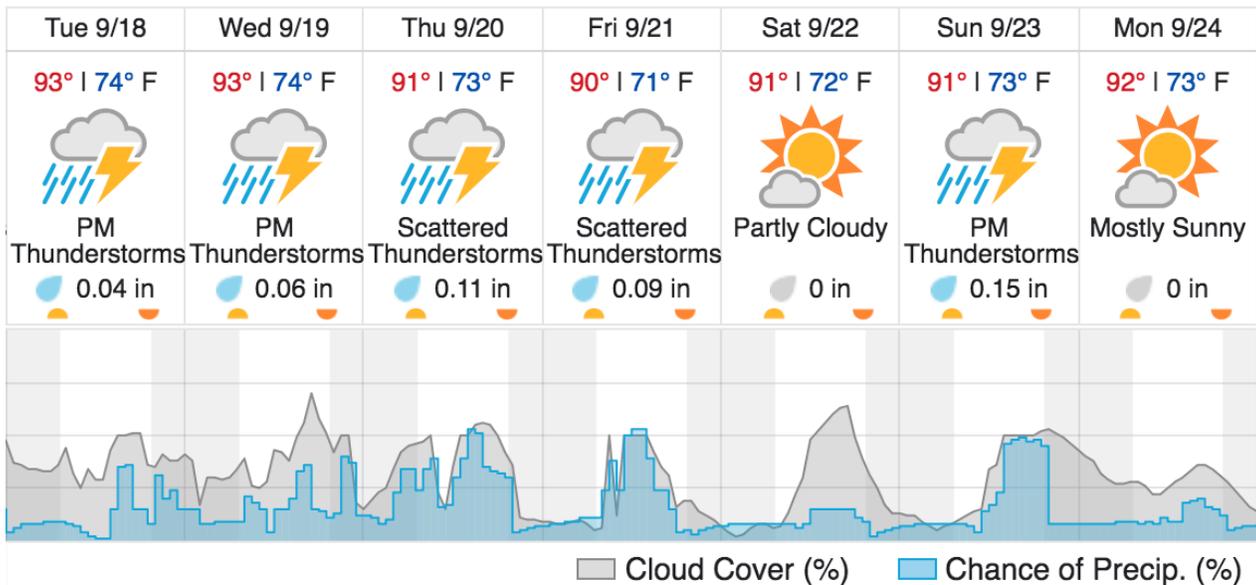
**Weather Forecast**

Kissimmee, FL (DSNY)

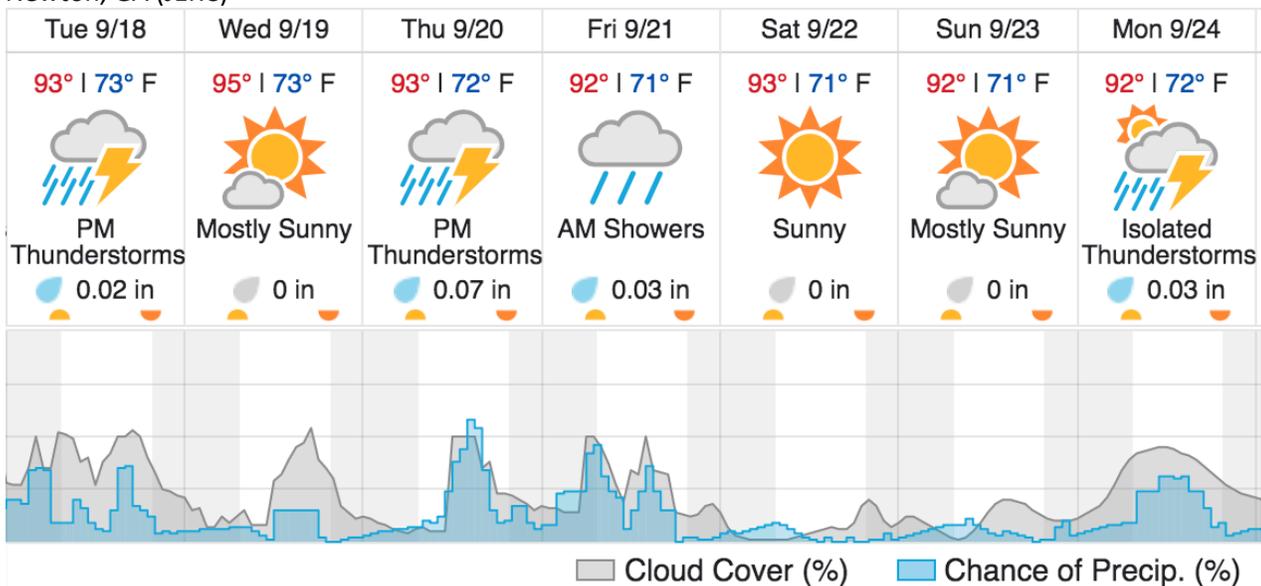


→  Cloud Cover (%)  Chance of Precip. (%)

Gainesville, FL (OSBS)



**Newton, GA (JERC)**



**Flight Collection Plan for 18 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: Abe Morrison, NIS: Cameron Chapman, Ground: Mitch Haynes