



## Payload 1 Daily Flight Report



**Date:** 2023-04-20

**Flight Campaign ID:** P1C1

**Airport, FBO ID, City:** Ocala International Airport (KOCF) - Ocala, FL

**Aircraft:** N331AR

**Domain:** 03 (Southeast)

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

**Days left in Domain:** 19

**Report Author:** Cameron

**Lidar Operators:** Cameron

**Flight Hours:** 00:30

**Spectrometer Operators:** Mitch

**Hours until maintenance:** 80.55

**Pilots:** Justin, Paul

**GPS Instruments:** 07 - FBO\_KOCF, AOP\_OSBS

### Summary

The crew took flight today in hopes of collecting at OSBS. The tower camera was clear of clouds and the forecast was promising. Unfortunately, shortly after takeoff, cumulus clouds developed rapidly at flight altitude prohibiting data collection.

### Concerns

- None

### Comments

- None

### Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

**Flight Screenshots:** None

## Pictures



Above: Clouds over OSBS shortly after takeoff.

Below: Why did the turtle cross the taxiway? To get to the other side! (The crew waited patiently as the turtle safely crossed)



## Cumulative Domain Coverage

### D03|DSNY (Disney Wilderness Preserve )

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: 75% (27/36)

Green: 72% (26/36)

Yellow: 3% (1/36)

Red: 0% (0/36)

### D03|JERC\_P1 (Jones Ecological Research Center Priority 1 )

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)

### D03|JERC\_P2 (Jones Ecological Research Center Priority 2)

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)

### D03|N03A (D03 Nominal Runway )

1
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Flown: 0% (0/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 0% (0/1)

### D03|OSBS\_P1 (Ordway-Swisher Biological Station Priority 1 )

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: 0% (0/27)

Green: 0% (0/27)

Yellow: 0% (0/27)

Red: 0% (0/27)

### D03|OSBS\_P2 (Ordway-Swisher Biological Station Priority 2 )

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
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Flown: 0% (0/16)

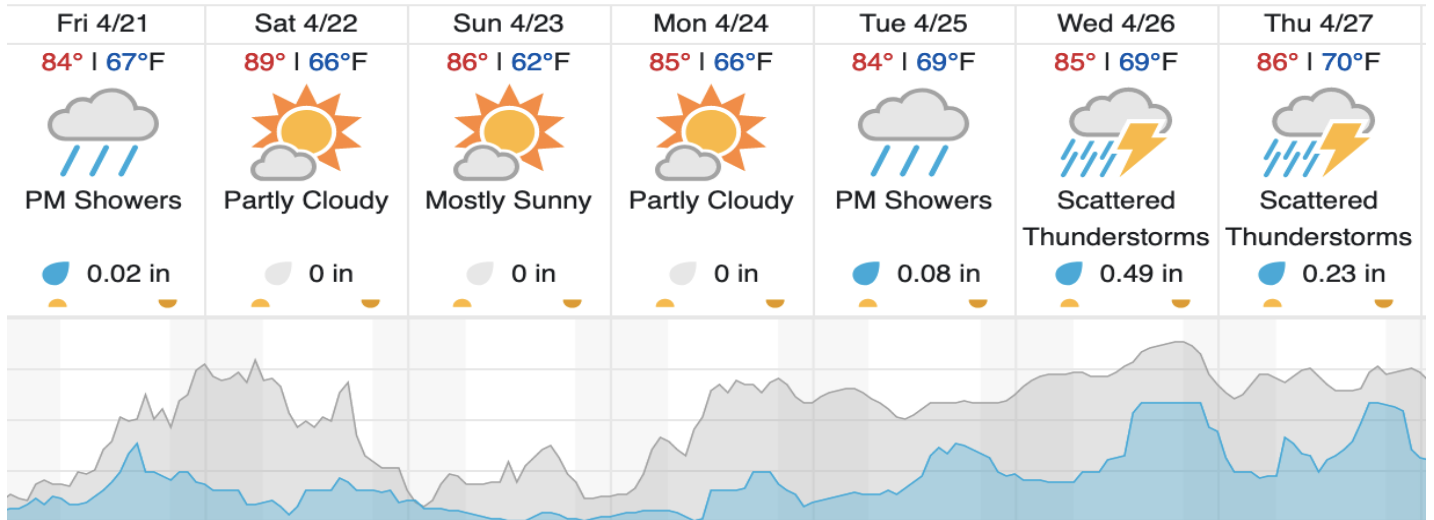
Green: 0% (0/16)

Yellow: 0% (0/16)

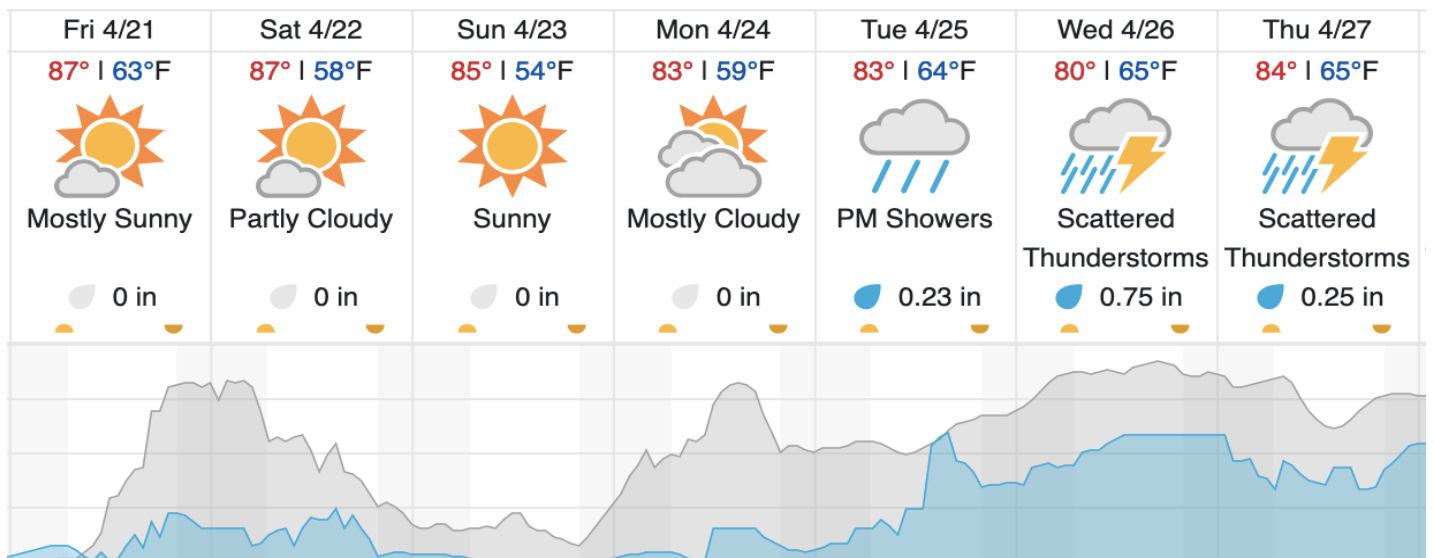
Red: 0% (0/16)

## Weather Forecast

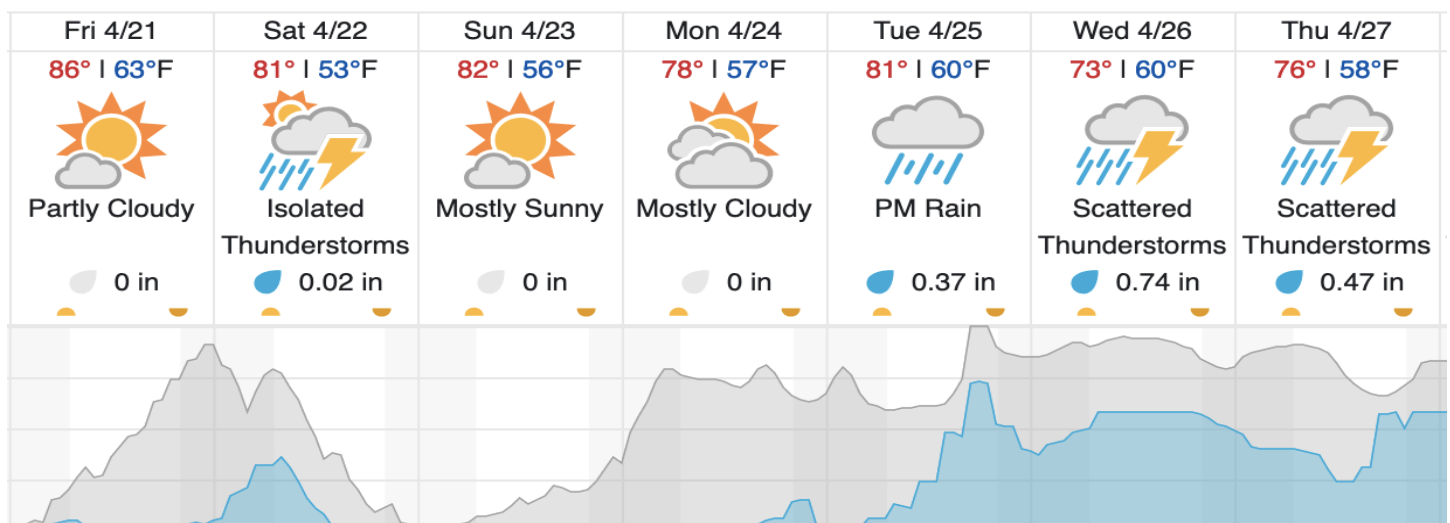
Kissimmee, FL (DSNY)



Gainesville, FL (OSBS)



Newton, GA (JERC)



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

source: wunderground.com

## **Flight Collection Plan for April 21, 2023**

### Flyority 1 (Lines 2 – 10)

Collection Area: Disney Wilderness Preserve (DSNY)

Flight Plan Name: D03\_DSNY\_R1\_P1\_v3\_PRM.xml

On-Station Time: 1410 UTC/ 1010 L

### Flyority 2

Collection Area: Ordway-Swisher Biological Station (OSBS) P1

Flight Plan Name: D03\_OSBS\_C1\_P1\_P2\_v3\_PRM.xml

On-Station Time: 1410 UTC / 1010 L

### Flyority 3

Collection Area: Jones Ecological Research Center (JERC) P1

Flight Plan Name: D03\_JERC\_R2\_P1\_P2\_v4\_PRM.xml

On-Station Time: 1420 UTC/ 1020 L

### Flyority 4

Collection Area: Ordway-Swisher Biological Station (OSBS) P2

Flight Plan Name: D03\_OSBS\_C1\_P1\_P2\_v3\_PRM.xml

On-Station Time: 1410 UTC/ 1010 L

### Flyority 5

Collection Area: Jones Ecological Research Center (JERC) P2

Flight Plan Name: D03\_JERC\_R2\_P1\_P2\_v4\_PRM.xml

On-Station Time: 1420 UTC/ 1020 L

Crew: Mitch (Lidar), Cam (NIS)