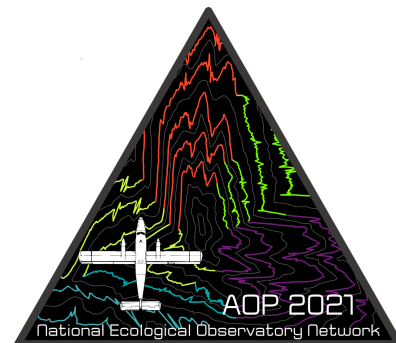




## Payload 1 Daily Flight Report



**Date:** 2021-09-24

**Flight Campaign ID:** P1C2

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

**Aircraft:** N331AR

**Domain:** 03 (Southeast)

**Sites Flown:** DSNY (Disney Wilderness Preserve), OSBS\_P1 (Ordway-Swisher Biological Station Priority 1), OSBS\_P2 (Ordway-Swisher Biological Station Priority 2)

**Days left in Domain:** 10

**Report Author:** Mitch Haynes

**Lidar Operators:** Mitch Haynes

**Spectrometer Operators:** Cameron Chapman

**Pilots:** Nick Koukoutsakis, Justin Eddington

**Ground Crew:** Elissa Barris

**Flight Hours:** 03:26

**Hours until maintenance:** 28.57

**GPS Instruments:** 05 - FBO\_KOCF, 12 - DSNY, FDOT-FLCC, FDOT-HULK

### Summary

Crew was able to get airborne today and finish initial coverage over OSBS and start collections over DSNY before clouds forced us to leave the site. 20 lines in total were collected under non-green conditions between the two sites.

### Concerns

None

### Comments

Elissa departs D03 this afternoon. Thanks for the hard work, Elissa!

### Daily Coverage

Estimated Cloud Cover Key

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

#### D03|OSBS\_P1

Line #	2	5	7
Lidar	✓	✓	✓
Spectrometer	✓	✓	✓
Camera	✓	✓	✓
Cloud Cover			

Total number of lines flown: 3

#### D03|OSBS\_P2

Line #	29	30	31	32	33
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

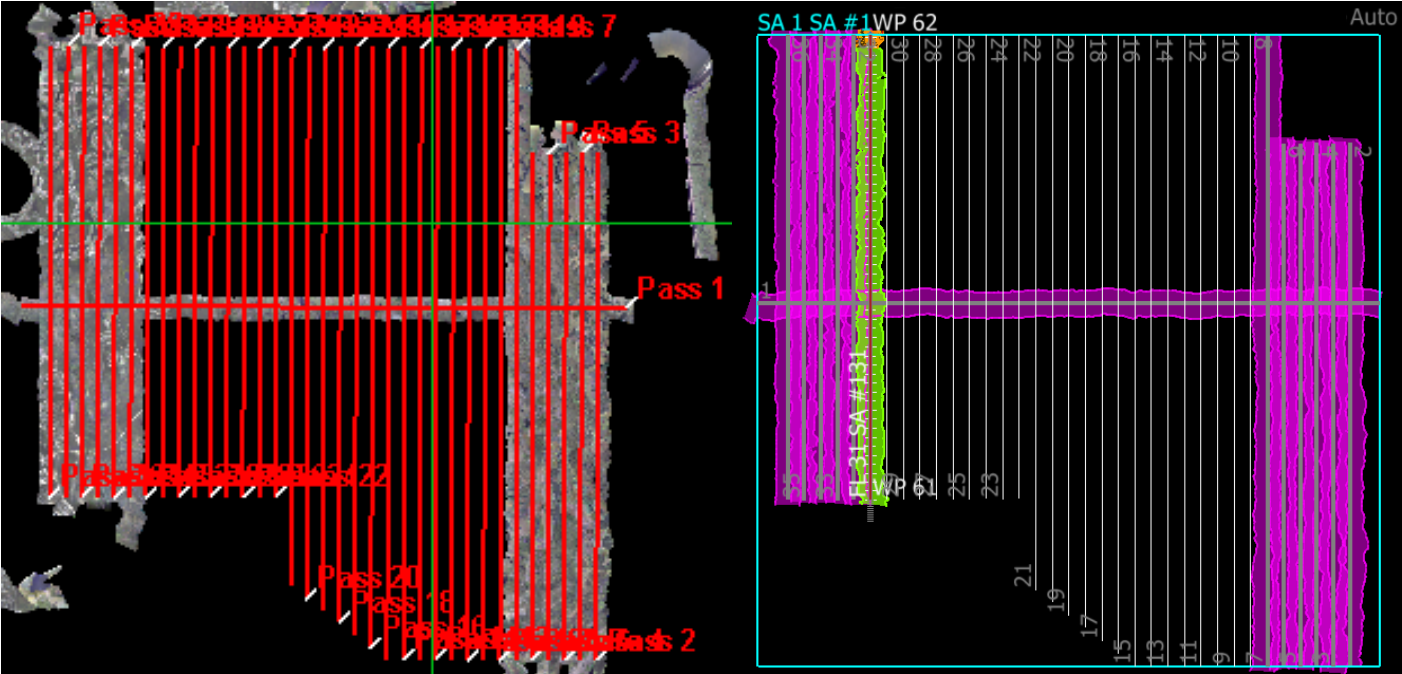
Total number of lines flown: 5

D03 | DSNY

Line #	2	3	4	5	6	7	31	32	33	34	35	36
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

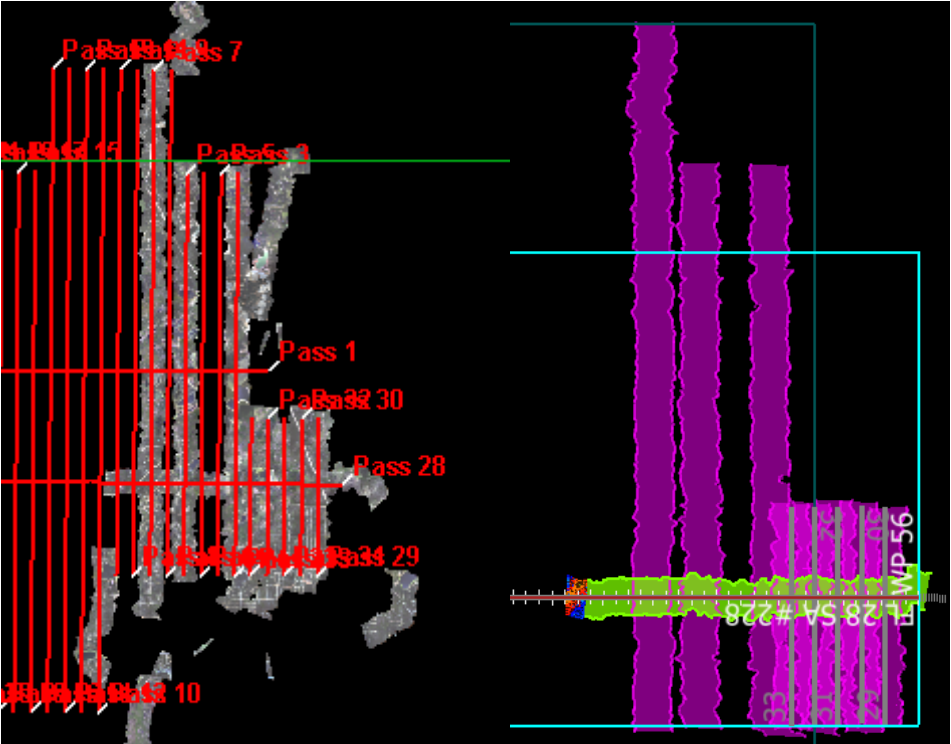
Total number of lines flown: 12

Flight Screenshots



Above: NIS and Lidar coverage at DSNY

Below: NIS and Lidar coverage at OSBS



## 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: 36% (13/36)

Green: 0% (0/36)

Yellow: 14% (5/36)

Red: 22% (8/36)

### 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: 96% (25/26)

Green: 42% (11/26)

Yellow: 35% (9/26)

Red: 19% (5/26)

### 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: 96% (24/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 96% (24/25)

### D03 | N03B (D03 Nominal Runway South)

1	2
---	---

Flown: 100% (2/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 100% (2/2)

### 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: 100% (27/27)

Green: 0% (0/27)

Yellow: 7% (2/27)

Red: 93% (25/27)

### 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: 100% (16/16)

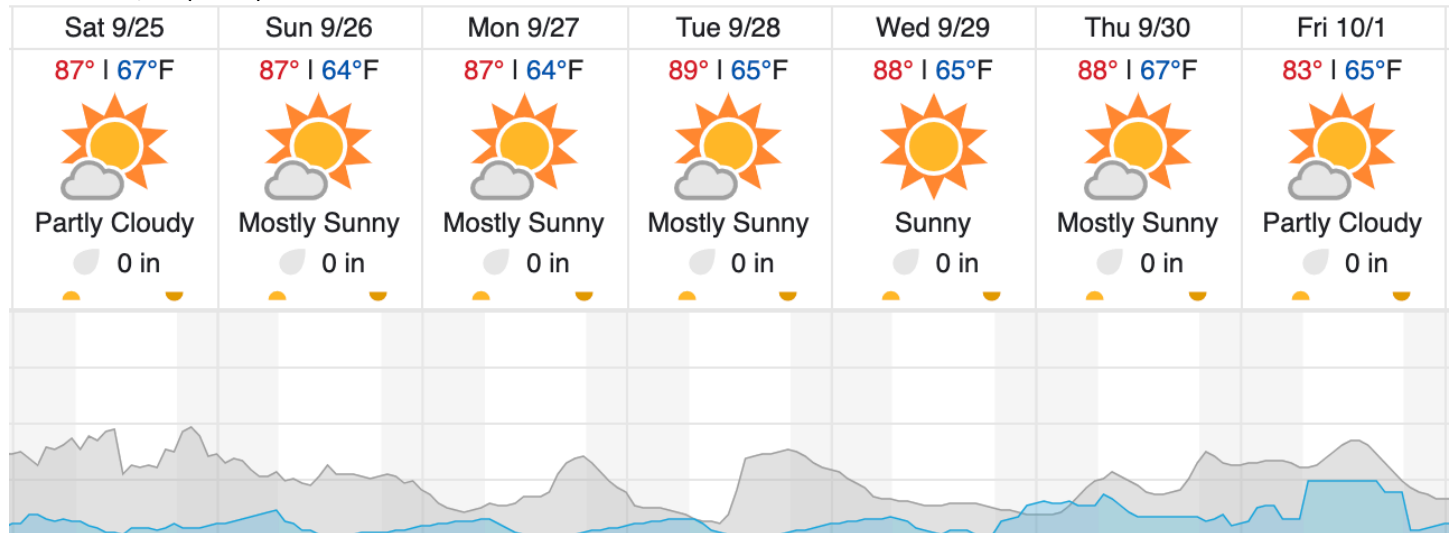
Green: 0% (0/16)

Yellow: 0% (0/16)

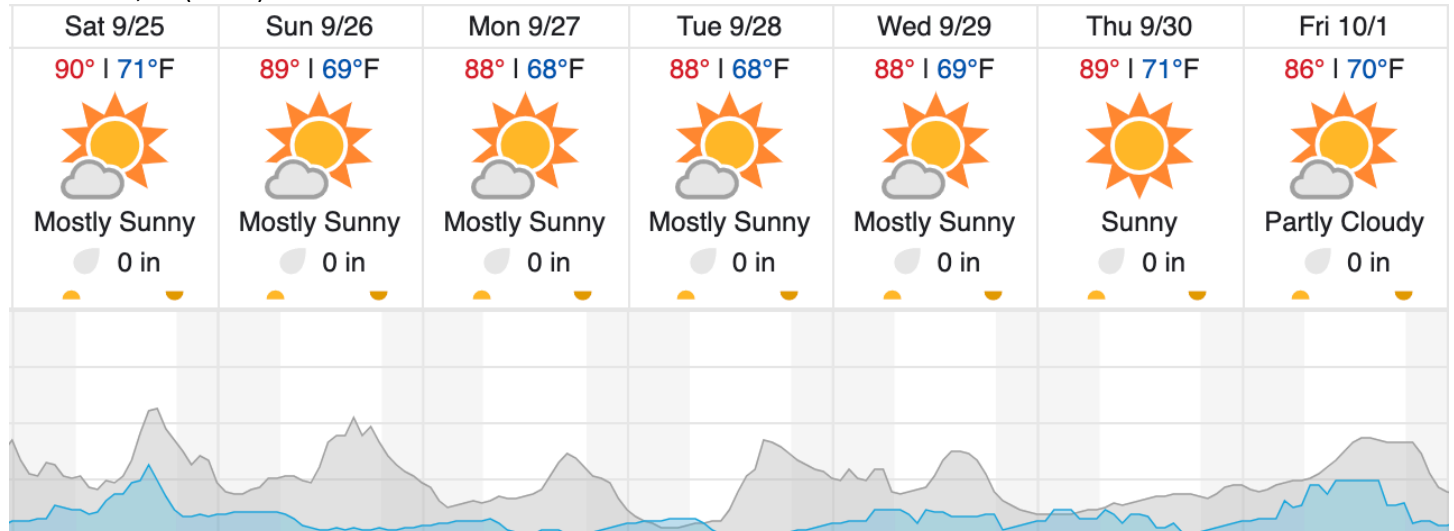
Red: 100% (16/16)

## Weather Forecast

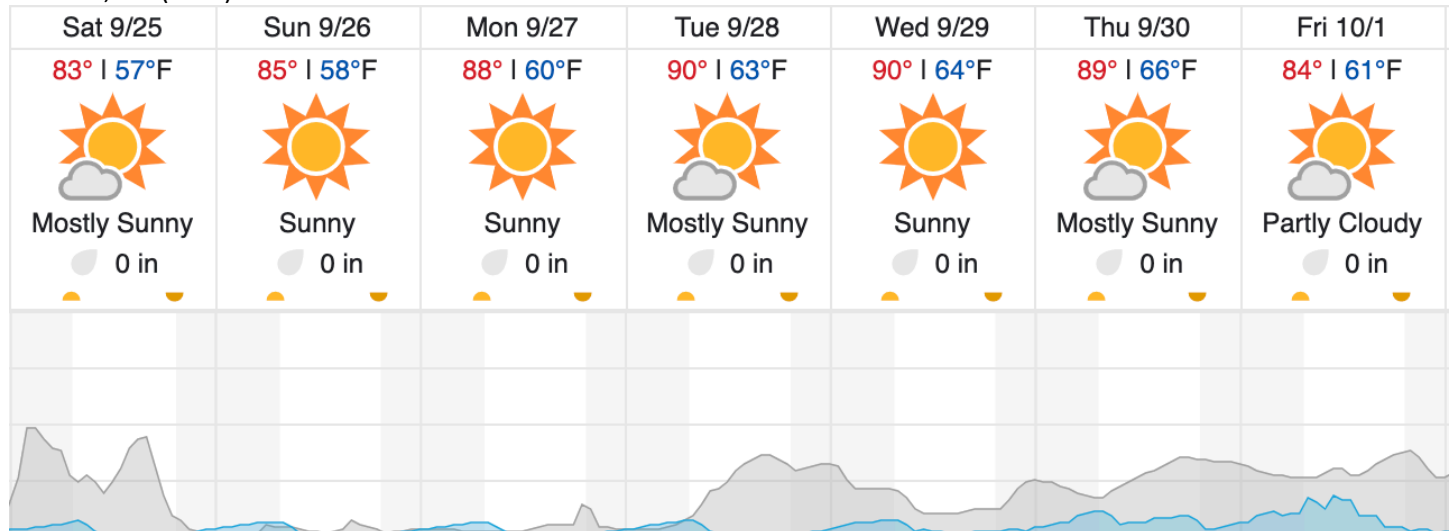
Gainesville, FL (OSBS)



Kissimmee, FL (DSNY)



Newton, GA (JERC)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

## **Flight Collection Plan for 25 September 2021**

Flyority 1 – *Only if Green*

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

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

On-Station Time: 1440 UTC / 1040 L

Flyority 2

Collection Area: Disney Wilderness Preserve (DSNY)

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

On-Station Time: 1430 UTC/ 1030 L

Flyority 3 – *Only if Green*

Collection Area: Jones Ecological Research Center (JERC) P1

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

On-Station Time: 1440 UTC/ 1040 L

Flyority 4 – *Only if Green*

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

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

On-Station Time: 1440 UTC/ 1040 L

Flyority 5 – *Only if Green*

Collection Area: Jones Ecological Research Center (JERC) P2

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

On-Station Time: 1440 UTC/ 1040 L

Crew: Cam, Mitch