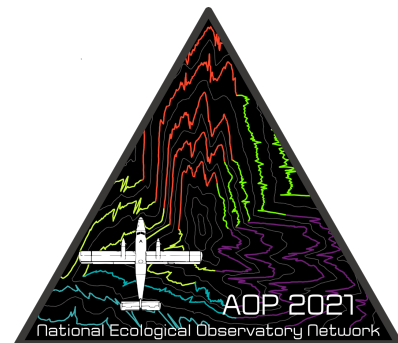




## Payload 1 Daily Flight Report



**Date:** 2021-09-26

**Flight Campaign ID:** P1C2

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

**Aircraft:** N331AR

**Domain:** 03 (Southeast)

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

**Days left in Domain:** 8

**Report Author:** Mitch Haynes

**Lidar Operators:** Mitch Haynes

**Flight Hours:** 03:31, 01:00

**Spectrometer Operators:** Cameron Chapman

**Hours until maintenance:** 24.05

**Pilots:** Justin Eddington, Nick Koukoutsakis

**GPS Instruments:** 01 - JERC, 05 - FBO\_KOCF, FDOT-TALH

### Summary

After evaluating all options, the crew decided to go with the most promising forecast and head back north to Jones and green up JERC. We were successfully in collecting the remaining non-green lines in the priority 1 flight box before building cumulus clouds forced an end to clear skies.

### Concerns

None

### Comments

Elissa arrived back in D03 this afternoon. Mitch departs tomorrow morning.

### Daily Coverage

Estimated Cloud Cover Key

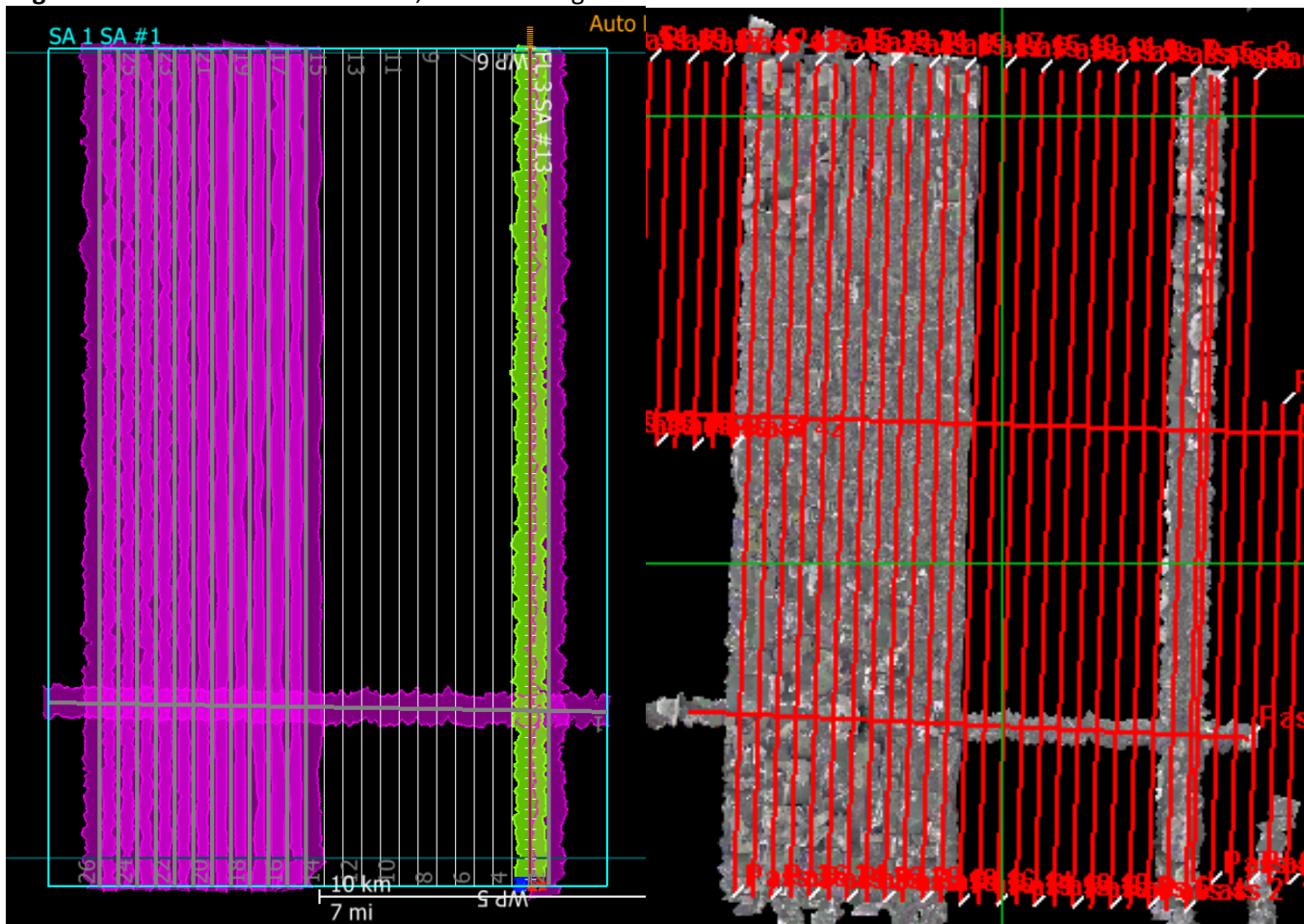
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D03|JERC\_P1

Line #	2	3	15	16	17	18	19	20	21	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover														

Total number of lines flown: 14

Flight Screenshots: Lidar on the left, NIS on the right



Pictures: Clear skies at the start of collect over JERC



## 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: 100% (26/26)

Green: 100% (26/26)

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: 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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Flown: 100% (16/16)

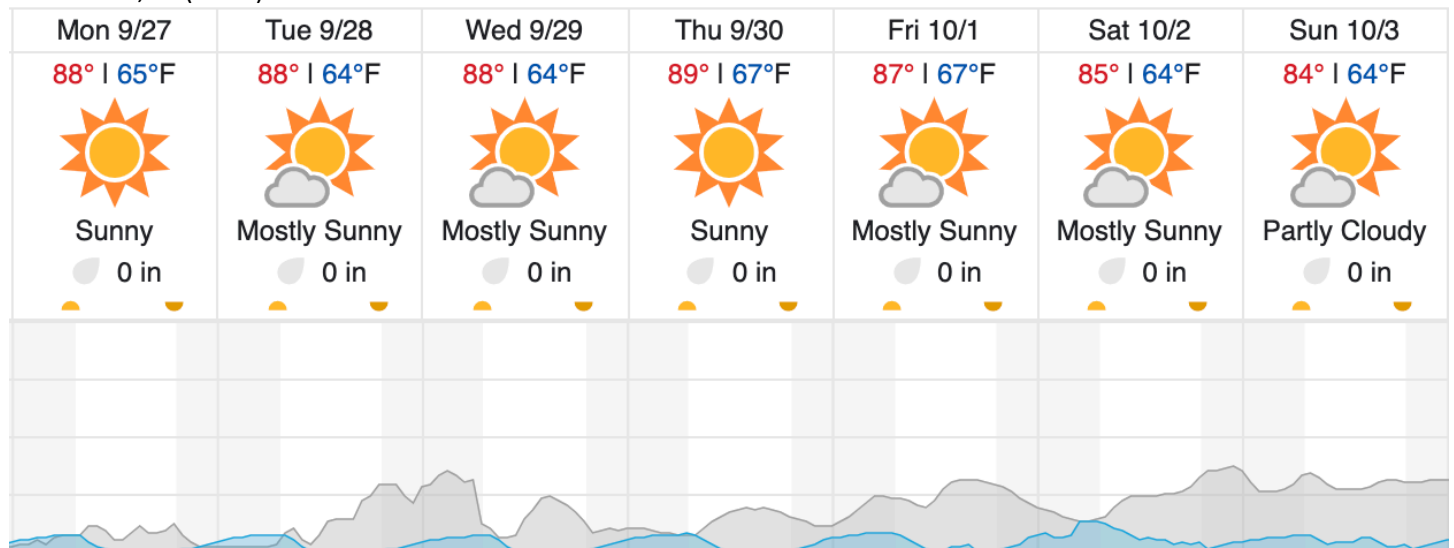
Green: 0% (0/16)

Yellow: 0% (0/16)

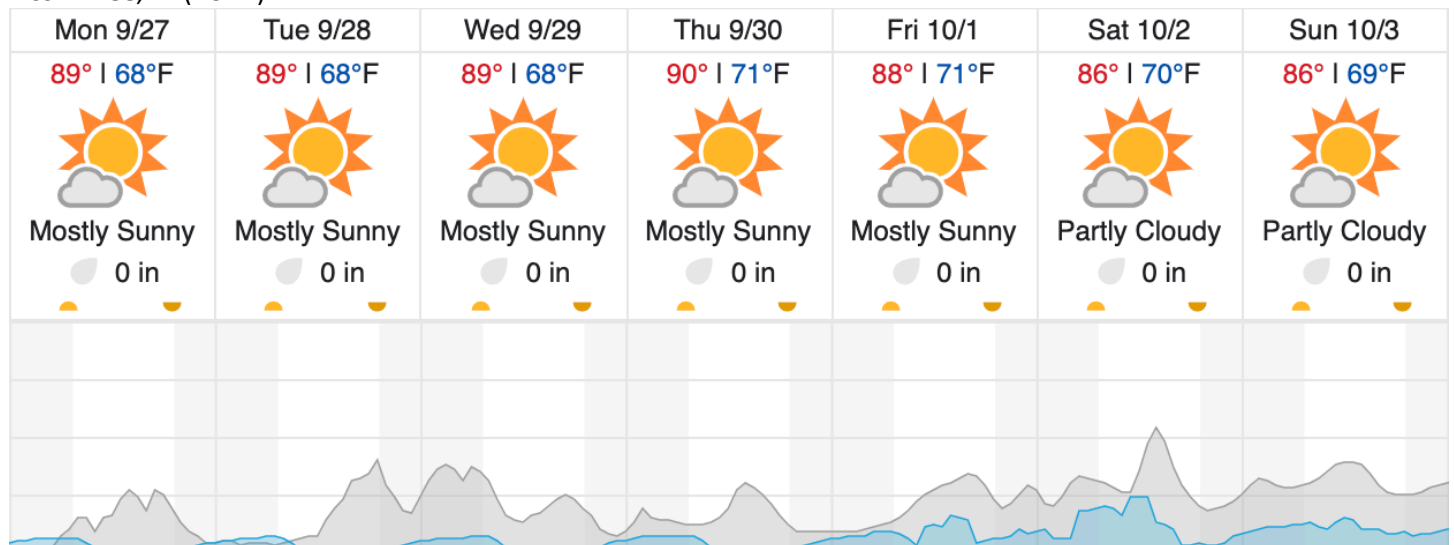
Red: 100% (16/16)

## Weather Forecast

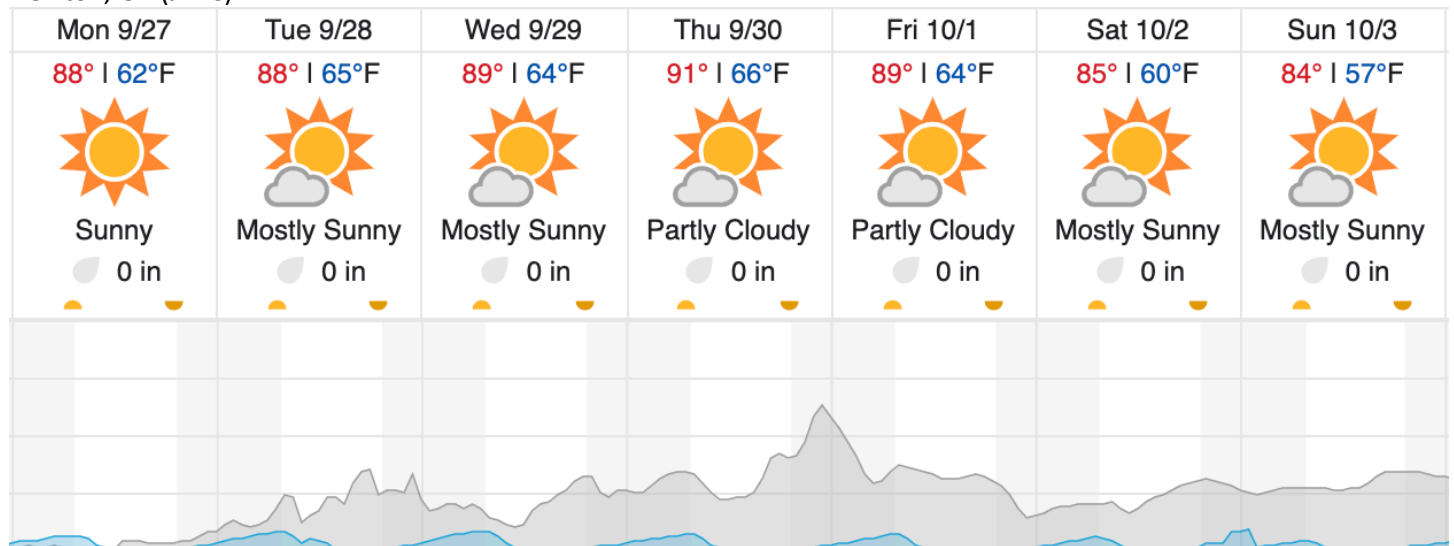
Gainesville, FL (OSBS)



Kissimmee, FL (DSNY)



Newton, GA (JERC)



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

## **Flight Collection Plan for 26 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: 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 4 – *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