



Payload 1 Daily Flight Report



Date: 2023-04-18

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 03 (Southeast)

Sites Flown: DSNY (Disney Wilderness Preserve)

Days left in Domain: 21

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 03:48

Spectrometer Operators: Mitch

Hours until maintenance: 81.05

Pilots: Justin, Paul

GPS Instruments: FDOT-FLCC, FDOT-FLKS, FDOT-OCLA

Summary

The morning started off clear, so we headed down to the DSNY site. We were able to complete 26 lines in optimal sky conditions before the smoke from a nearby fire push the collection into non-green sky conditions.

Concerns

- The prescribed burn near OSBS will likely occur Thursday or Friday of this week.

Comments

- GPS 7 was deployed at the KOCF airport today.

Daily Coverage

Estimated Cloud Cover Key

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

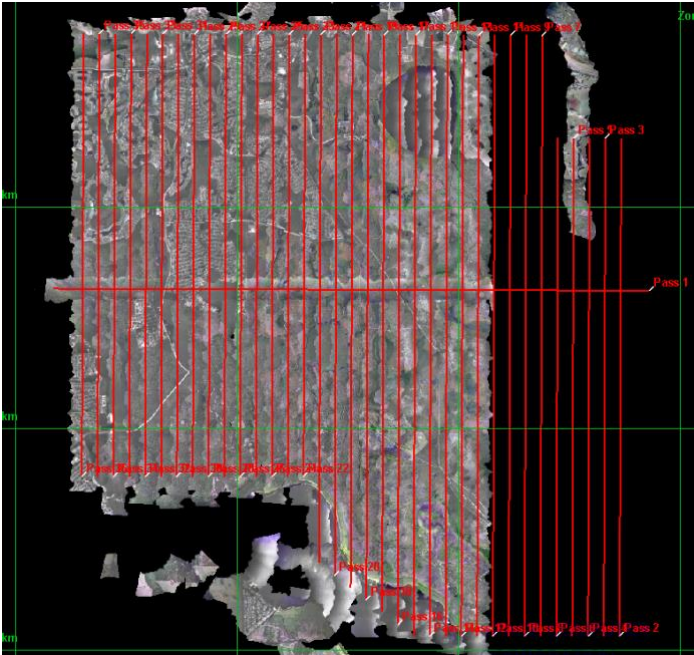
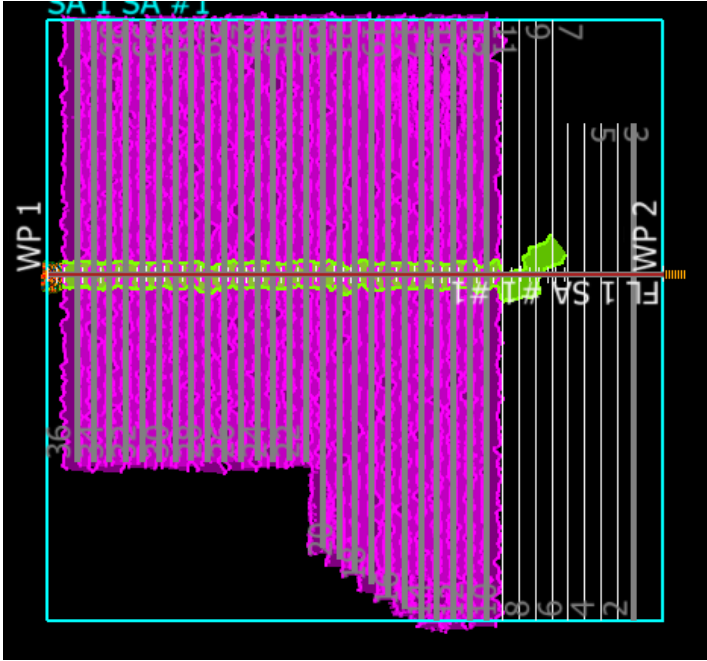
D03|DSNY

Line #	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	31	32	33	34	35	36
Lidar	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓
Cloud Cover						

Total number of lines flown: 26

Flight Screenshots



Pictures: the view during the todays flight over DSNY.



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

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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Flown: 0% (0/16)

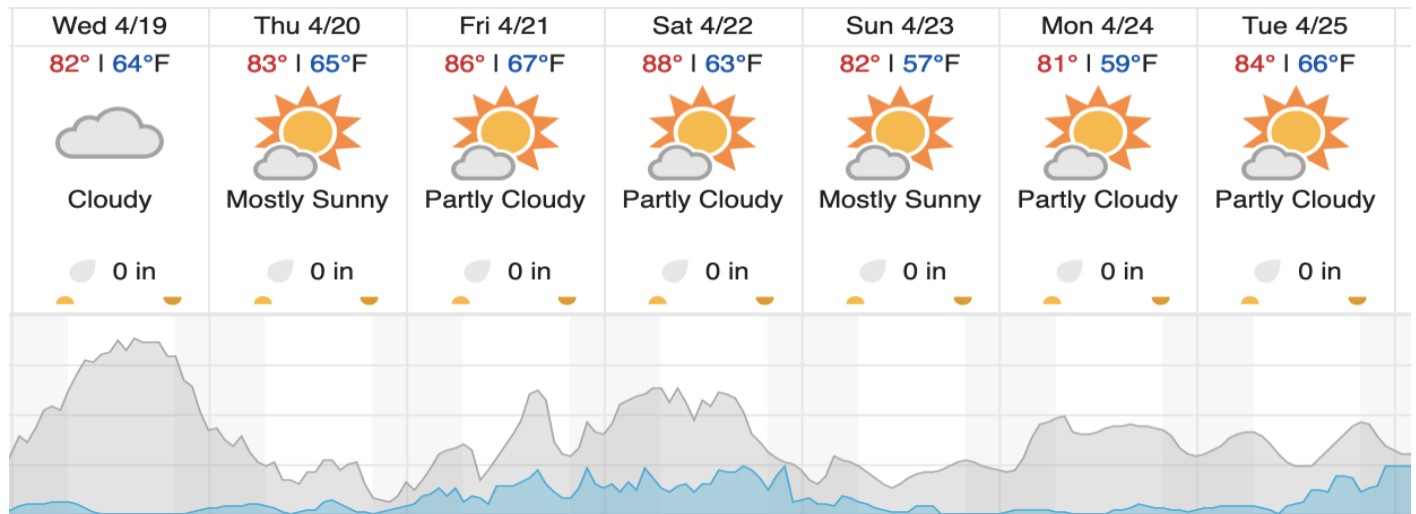
Green: 0% (0/16)

Yellow: 0% (0/16)

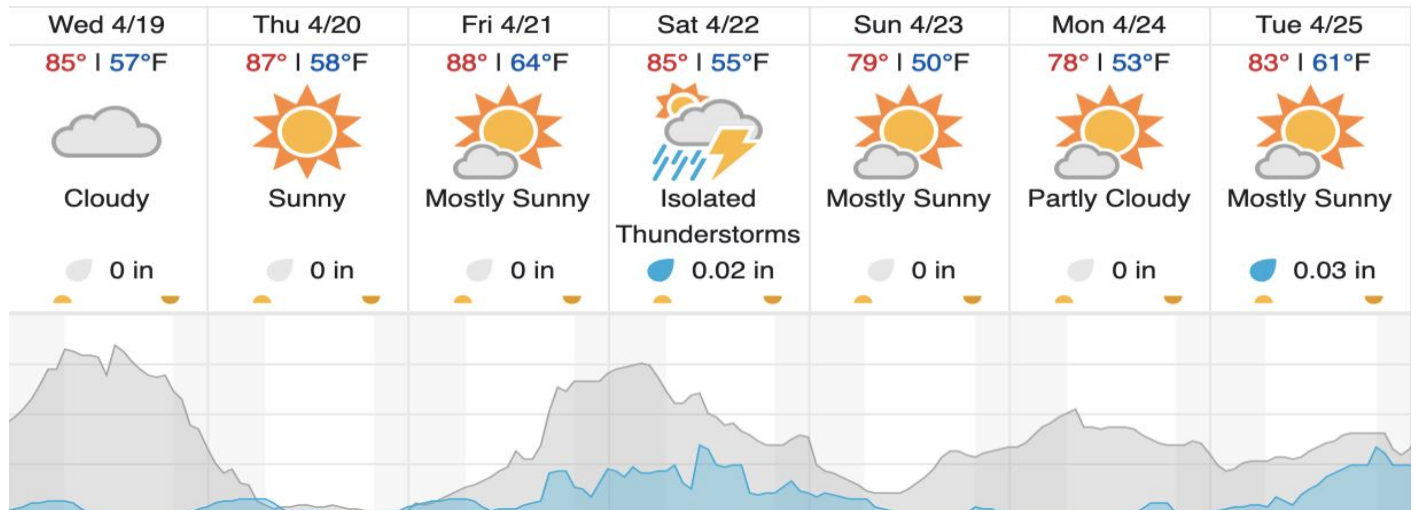
Red: 0% (0/16)

Weather Forecast

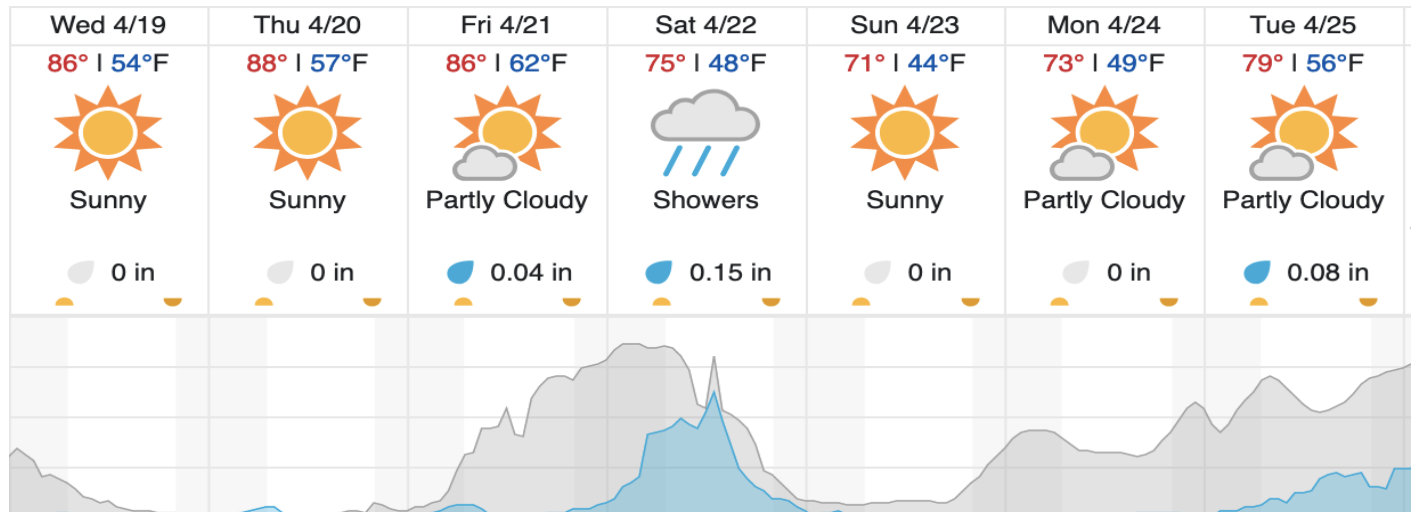
Kissimmee, FL (DSNY)



Gainesville, FL (OSBS)



Newton, GA (JERC)



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

source: wunderground.com

Flight Collection Plan for April 19, 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)