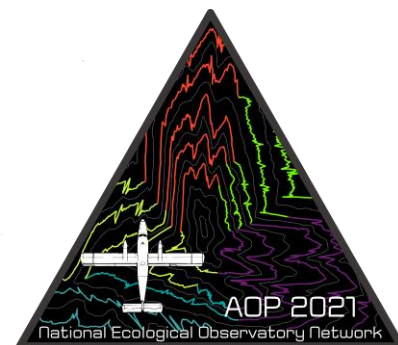




Payload 1 Daily Flight Report



Date: 2021-09-13

Flight Campaign ID: P1C2

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), OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

Days left in Domain: 21

Report Author: Elissa Barris

Lidar Operators: Elissa Barris

Flight Hours: 03:40

Spectrometer Operators: Mitch Haynes

Hours until maintenance: 32.00

Pilots: Justin Eddington, Nick Koukoutsakis

GPS Instruments: 05 - FBO_KOCF, AOP_OSBS

Summary

Today cumulus clouds lifted enough in the afternoon that we were able to collect much of the OSBS site under red conditions. Several lines of the Priority 2 box remain, as well as three lines in the Priority 1 box that were initially collected with gaps.

Concerns

None.

Comments

One of two redundant invertors went out during today's flight, but we were able to continue flying until the end of our solar angle. A replacement is being overnigheted by Twin Otter and will be replaced tomorrow.

Daily Coverage

Estimated Cloud Cover Key

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

D03|OSBS_P1

Line #	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Total number of lines flown: 20

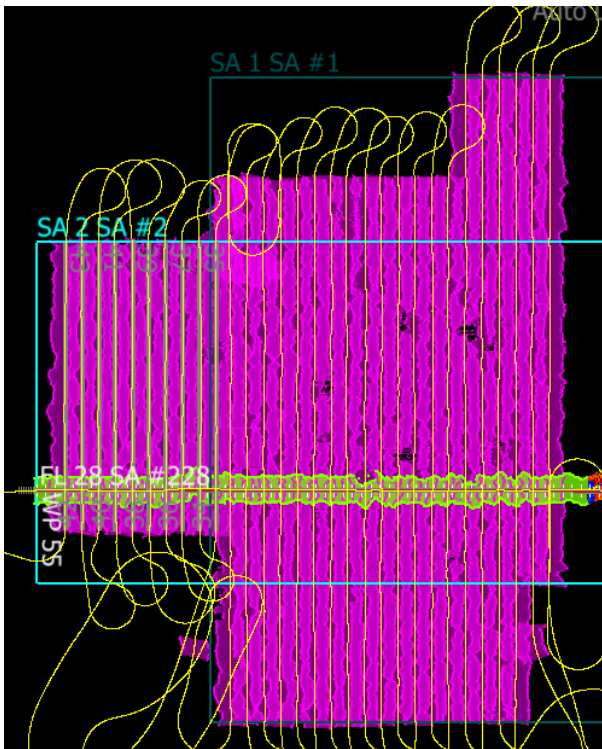
D03|OSBS_P2

Line #	34	35	36	37	38	39	40	41	42	43
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

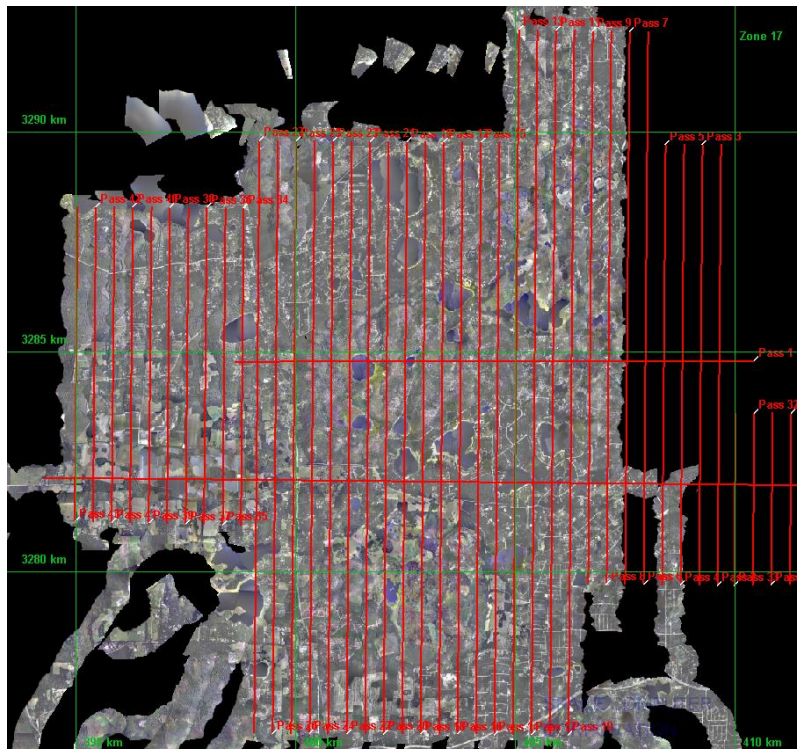
Total number of lines flown: 10

Flight Screenshots

LiDAR



NIS



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: 0% (0/36)
 Green: 0% (0/36)
 Yellow: 0% (0/36)
 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: 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
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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)

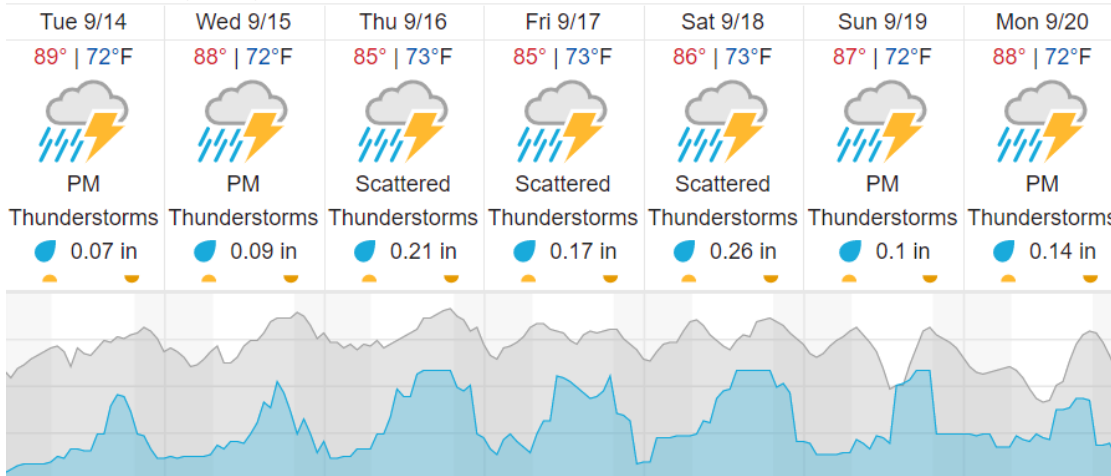
D03 | OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
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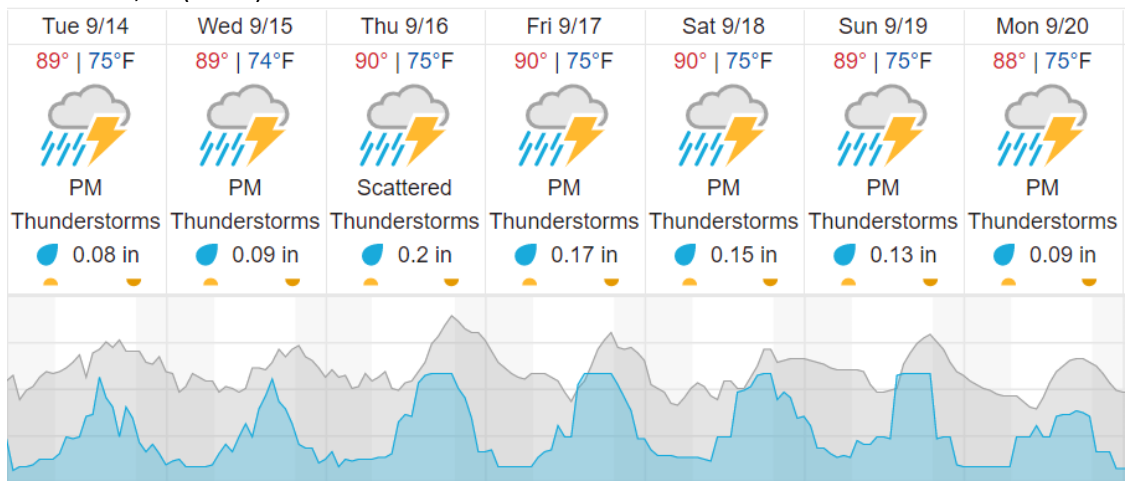
Flown: 69% (11/16)
 Green: 0% (0/16)
 Yellow: 0% (0/16)
 Red: 69% (11/16)

Weather Forecast

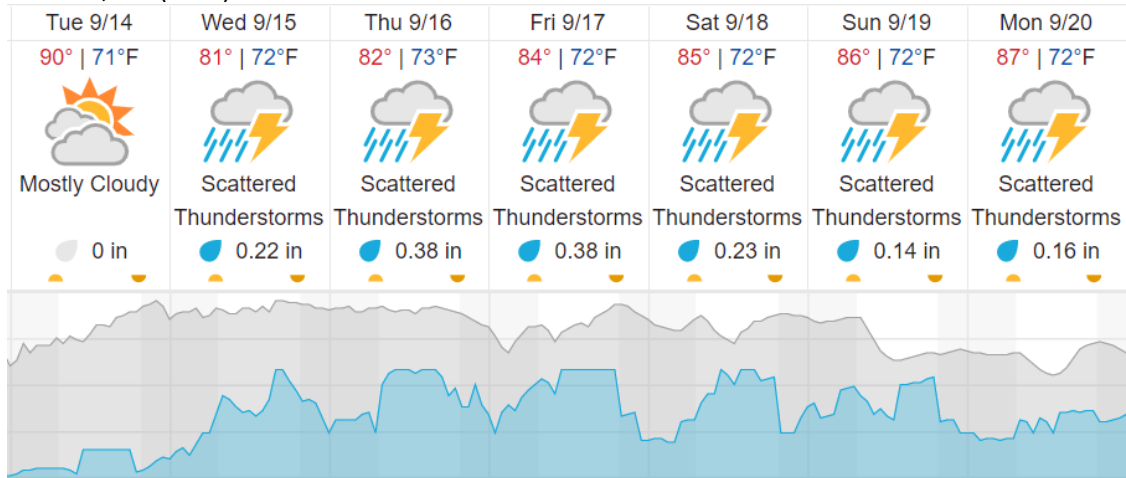
Gainesville, FL (OSBS)



Kissimmee, FL (DSNY)



Newton, GA (JERC)



source: wunderground.com

Flight Collection Plan for 13 September 2021

Flyority 1 (Refly If Green; Any Conditions: Refly Lines 2, 5, and 7)

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

Flight Plan Name: D03_OSBS_C1_P1_P2_v3_PRM.xml

On-Station Time: 1430 UTC / 1030 L

Flyority 2

Collection Area: Disney Wilderness Preserve (DSNY)

Flight Plan Name: D03_DSNY_R1_P1_v3_PRM.xml

On-Station Time: 1420 UTC / 1020 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: 1440 UTC / 1040 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: 1430 UTC/ 1030 L

Flyority 5

Collection Area: Jones Ecological Research Center (JERC) P2 – *Only if Green*

Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml

On-Station Time: 1440 UTC/ 1040 L

Crew: Elissa, Mitch