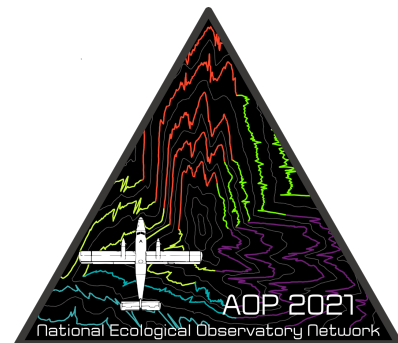




Payload 1 Daily Flight Report



Date: 2021-08-31

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), N03B (Nominal Runway D03 South)

Days left in Domain: 34

Report Author: Mitch Haynes

Lidar Operators: Mitch Haynes

Flight Hours: 01:34

Spectrometer Operators: Cameron Chapman

Hours until maintenance: 44.98

Pilots: Justin Eddington, Nick Koukoutsakis

GPS Instruments: 05 - FBO_KOCF, AOP_OSBS

Summary

Crew had a small window this morning to collect 6 lines and cross strip over Ordway-Swisher, plus both passes of the nominal runway before cumulus clouds building at and below our flight altitude forced us to abort collect.

Concerns

None

Comments

3 of the lines collected had lidar gaps due to eye safety shutoffs over clouds and will require re-flying if time allows.

Daily Coverage

Estimated Cloud Cover Key

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

D03|OSBS_P1

Line #	1	2	3	4	5	6	7
Lidar	✓		✓	✓		✓	
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓
Cloud Cover							

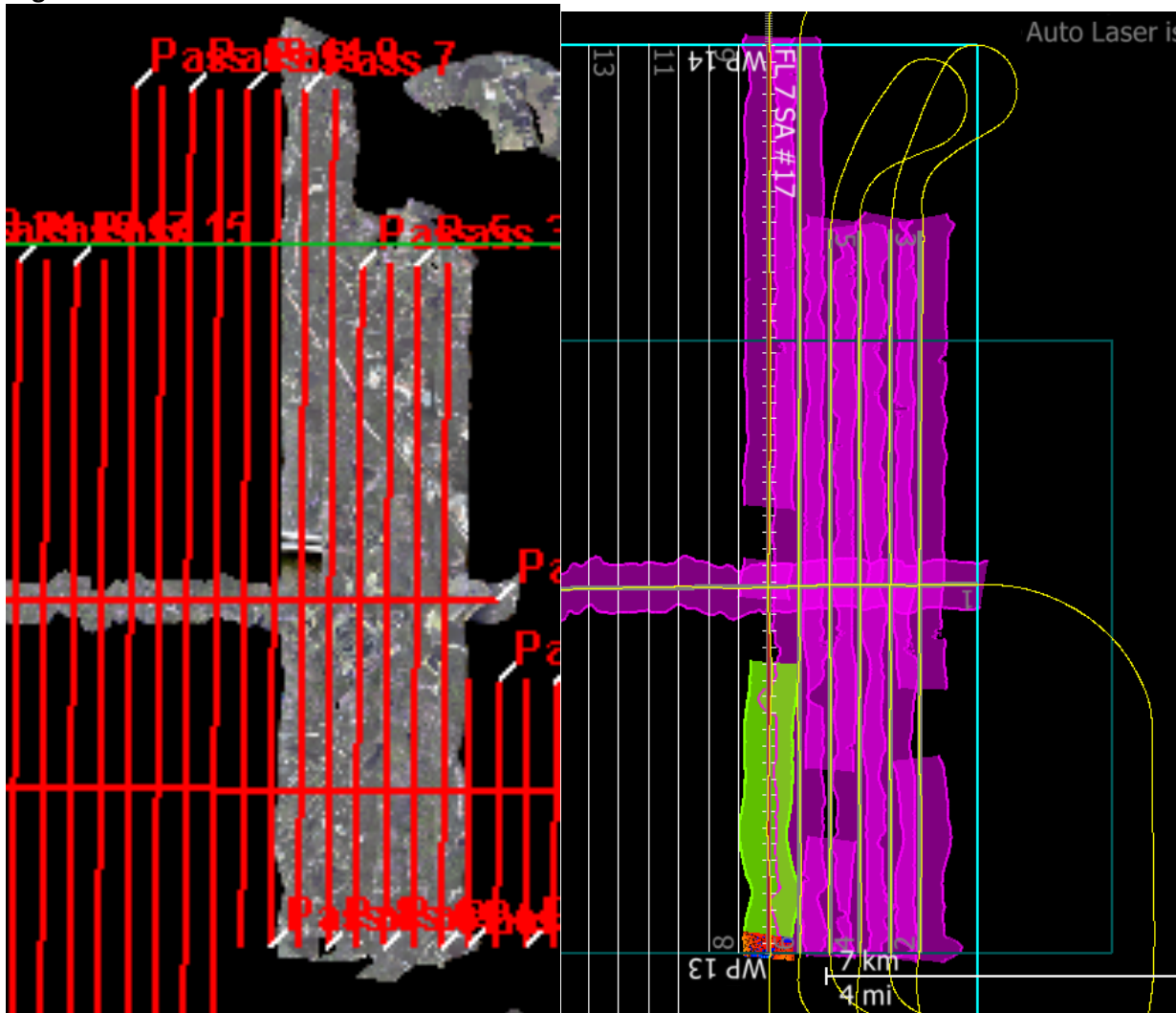
Total number of lines flown: 7

D03|N03B

Line #	1	2
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

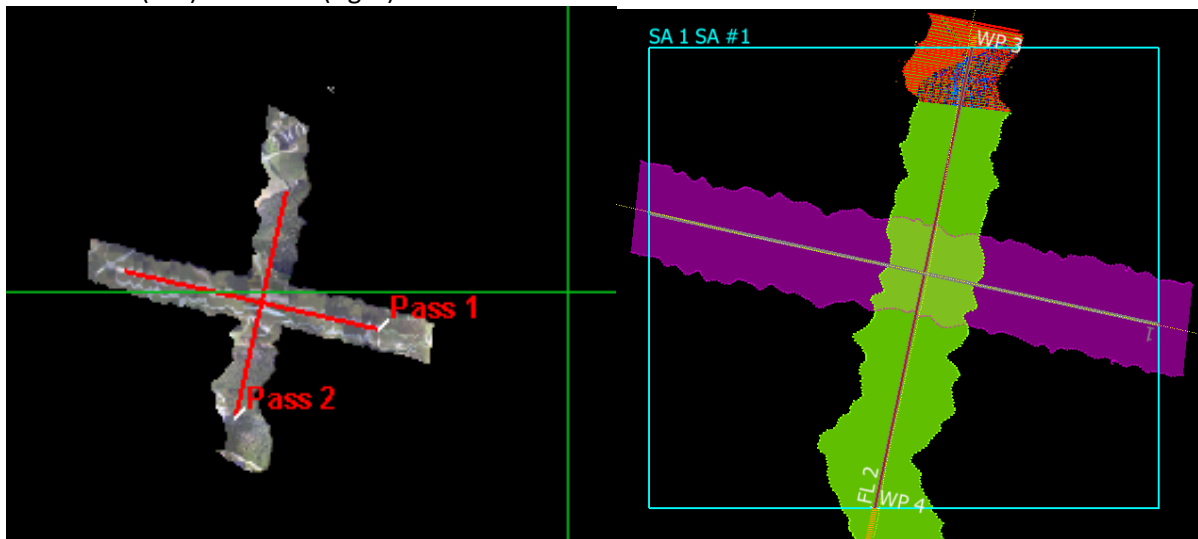
Total number of lines flown: 2

Flight Screenshots

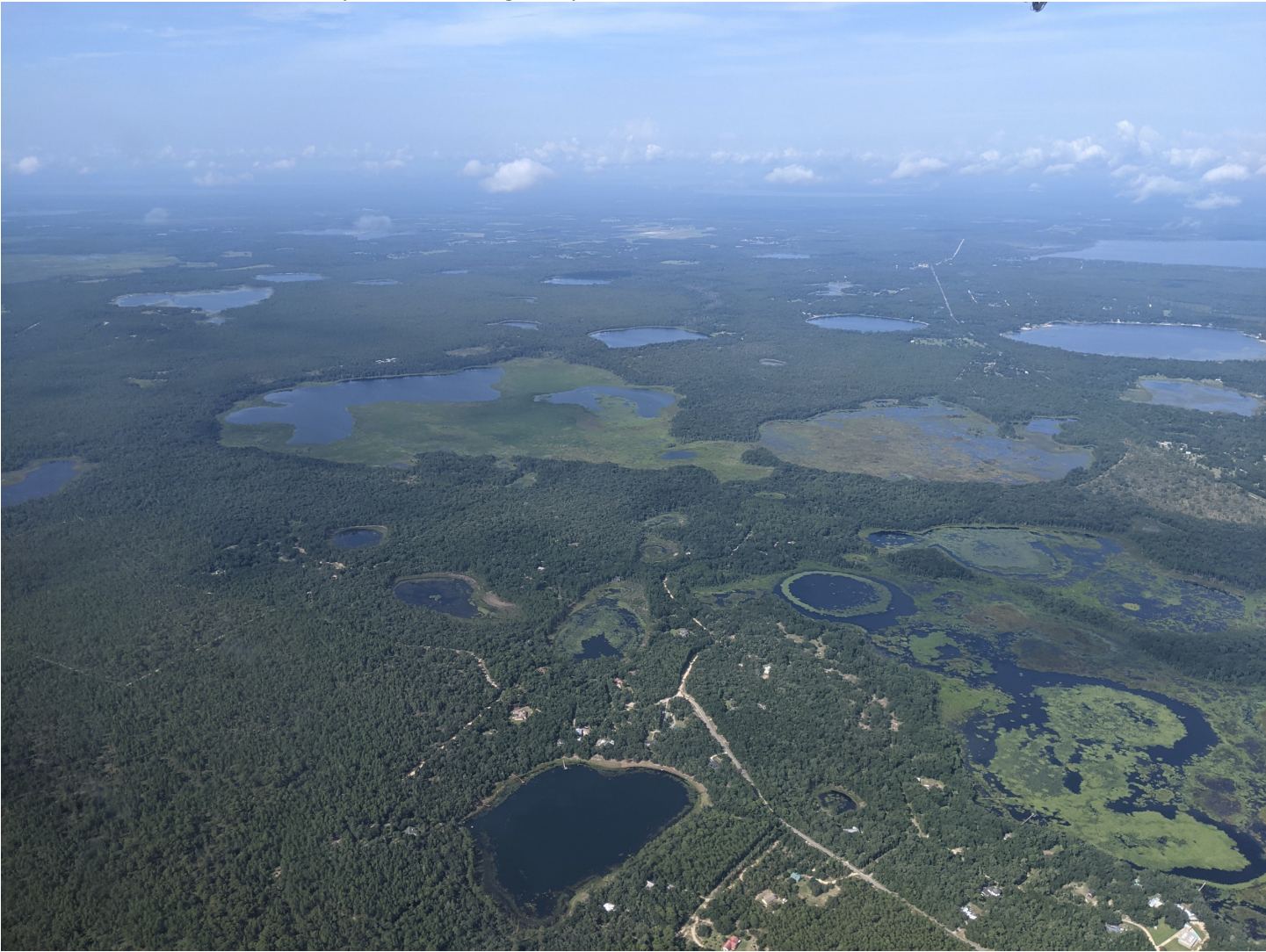


Above: NIS (left) and Lidar (right) screenshots of OSBS collect.

Below: NIS (left) and Lidar (right) screenshots of N03B collect.



Pictures: Conditions over Ordway-Swisher during today’s collect.



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: 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 | N03B (Nominal Runway D03 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: 26% (7/27)
Green: 0% (0/27)
Yellow: 0% (0/27)
Red: 26% (7/27)

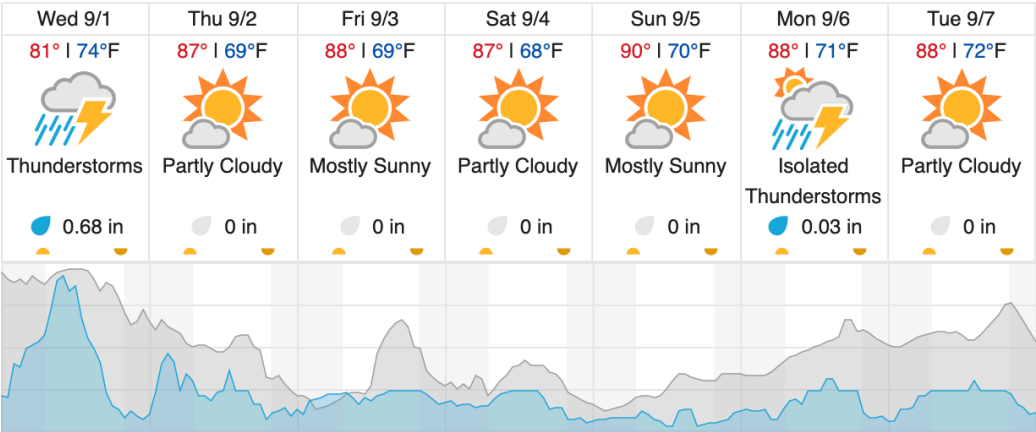
D03 | OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

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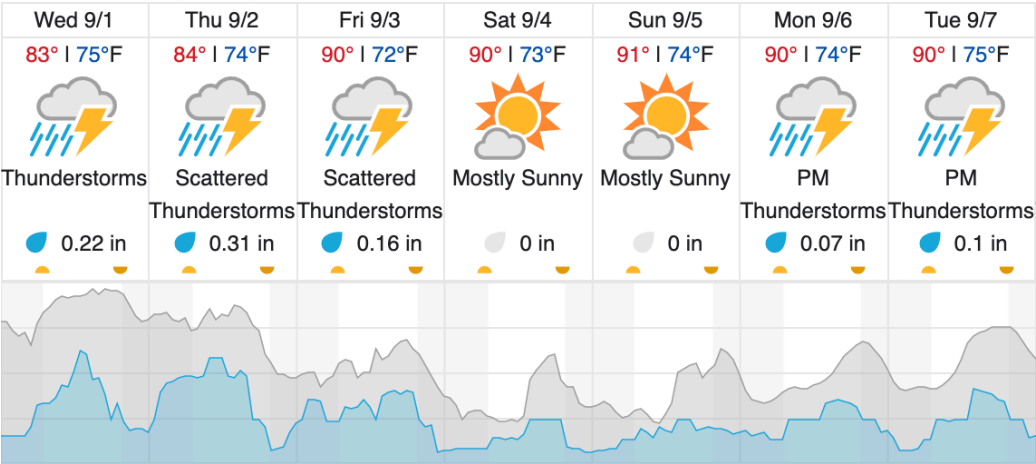
Flown: 0% (0/16)
Green: 0% (0/16)
Yellow: 0% (0/16)
Red: 0% (0/16)

Weather Forecast

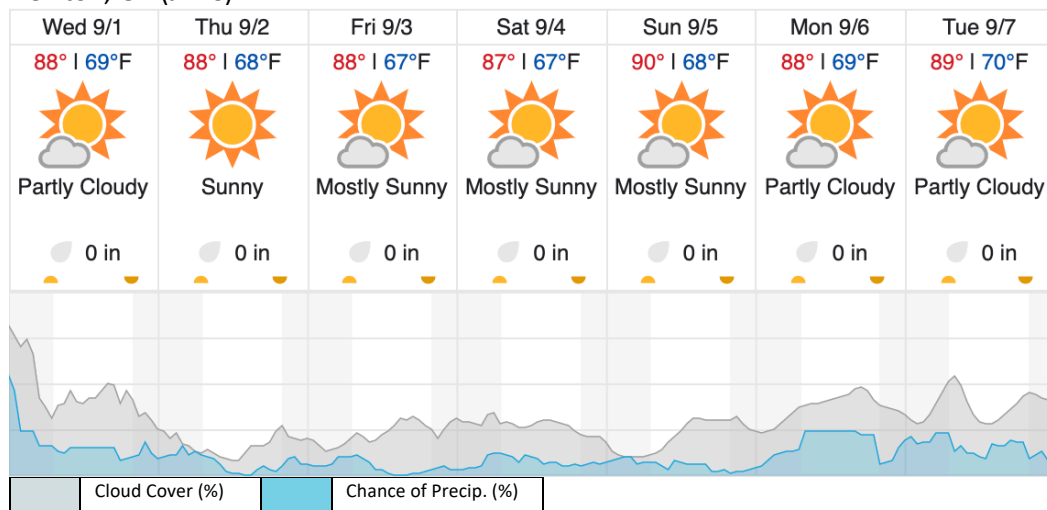
Gainesville, FL (OSBS)



Kissimmee, FL (DSNY)



Newton, GA (JERC)



source: wunderground.com

Flight Collection Plan for September 1st 2021

Flyority 1

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

Flight Plan Name: D03_OSBS_C1_P1_P2_v3_PRM.xml

On-Station Time: 1420 UTC / 1020 L

Flyority 2

Collection Area: Disney Wilderness Preserve (DSNY)

Flight Plan Name: D03_DSNY_R1_P1_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: 1430 UTC/ 1030 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

Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml

On-Station Time: 1430 UTC/ 1030 L

Crew: Cam, Mitch