

Payload 1 Daily Flight Report



Date: 2023-05-03

Flight Campaign ID: P1C1

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), DSNY (Disney Wilderness Preserve)

Days left in Domain: 08

Report Author: Elissa

Lidar Operators: Elissa Flight Hours: 03:04:00, 02:20:00 Spectrometer Operators: Mitch Hours until maintenance: 65.90

Pilots: Jeff, Justin **GPS Instruments**: 07 - FBO_KOCF, AOP_OSBS, FDOT-FLCC, FDOT-FLKS

Summary

Morning clouds kept us on the ground a little later than usual today, but cleared at OSBS in time for a mid-day flight. The rest of the box was collected in green conditions save for the final non-priority line. By the time we finished up there clouds at DSNY had also dispersed, and we conducted a second flight to complete that box in mixed green and yellow conditions.

Concerns

None.

Comments

Yesterday's extraction did not complete due to insufficient space on the RAID. It will be restarted tonight, followed by the extraction of today's flight.

Daily Coverage

Estimated Cloud Cover Key

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

D03|OSBS_P1

Line #	2	3	4	5	6	7	8	9	10	16	17	18	19	20	21	22	23	24	25	26
Lidar	\	√	√	\	\	/	√	\	✓	/	✓	✓	✓	✓	/	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	√	✓	√	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	√	√	√	√	√	√	✓	√	√	√	√	✓	√	✓	√	√	√	√	√	√
Cloud Cover																				

Line #	27
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	

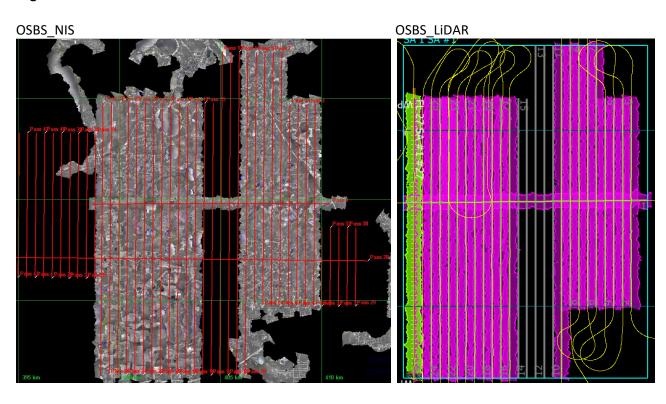
Total number of lines flown: 21

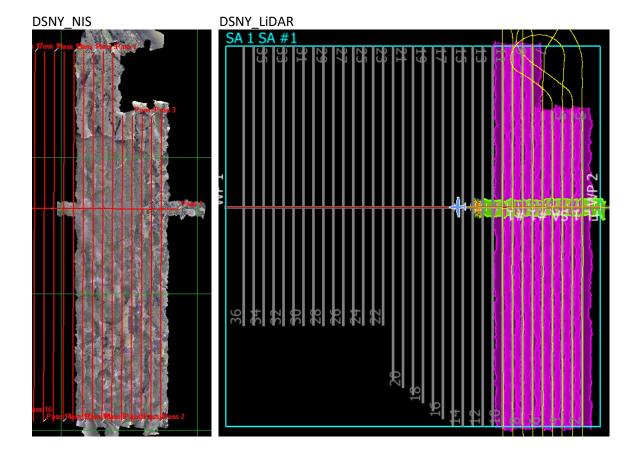
D03|DSNY

Line #	2	3	4	5	6	7	8	9	10
Lidar	✓	✓	\checkmark	\checkmark	✓	✓	✓	\checkmark	✓
Spectrometer	√	✓	✓	✓	✓	√	✓	✓	✓
Camera	√	✓	✓	✓	✓	√	✓	✓	✓
Cloud Cover									

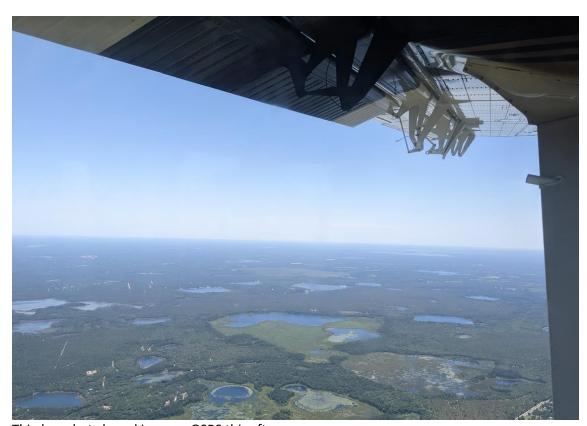
Total number of lines flown: 9

Flight Screenshots





Pictures



Thin haze but clear skies over OSBS this afternoon.

Cumulative Domain Coverage

D03 | DSNY (Disney Wilderness Preserve)

								<u>, </u>											
	2															17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				

Flown: 100% (36/36) Green: 86% (31/36) Yellow: 14% (5/36) Red: 0% (0/36)

D03 | JERC P1 (Jones Ecological Research Center Priority 1)

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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: 23% (6/26) Green: 23% (6/26) Yellow: 0% (0/26) Red: 0% (0/26)

D03 | JERC_P2 (Jones Ecological Research Center Priority 2)

		<u> </u>									<u> </u>								
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: 24% (6/25) Green: 24% (6/25) Yellow: 0% (0/25) Red: 0% (0/25)

D03 | N03B ()

1 2

Flown: 100% (2/2) Green: 0% (0/2) Yellow: 100% (2/2) Red: 0% (0/2)

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: 96% (26/27) Yellow: 4% (1/27) Red: 0% (0/27)

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

28 2	29 30	31	32	33	34	35	36	37	38	39	40	41	42	43
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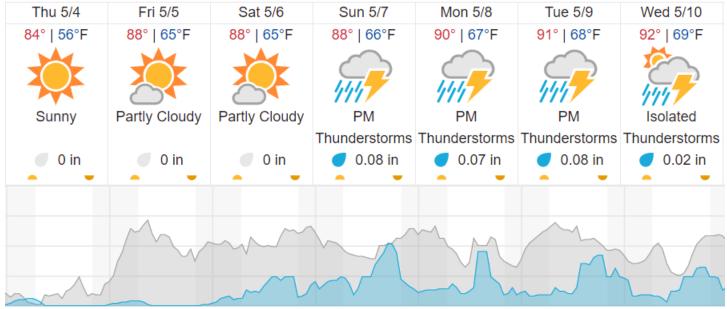
Flown: 100% (16/16) Green: 0% (0/16) Yellow: 100% (16/16) Red: 0% (0/16)

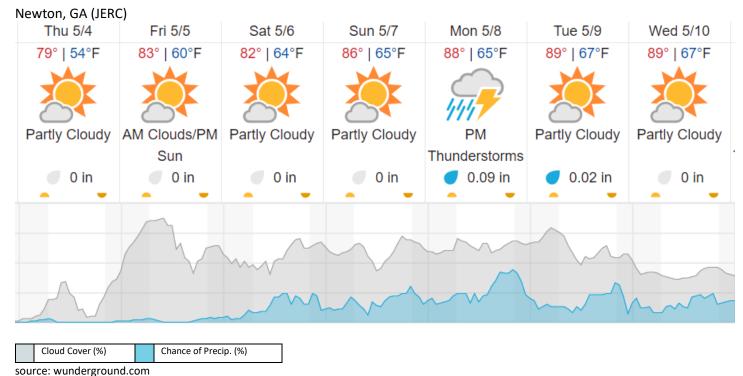
Weather Forecast

Kissimmee, FL (DSNY)

11.55	3111)					
Thu 5/4	Fri 5/5	Sat 5/6	Sun 5/7	Mon 5/8	Tue 5/9	Wed 5/10
88° 64°F	89° 69°F	88° 69°F	88° 70°F	89° 70°F	90° 71°F	92° 72°F
Sunny	Partly Cloudy	//// PM	//// PM	//// PM	////P PM	Isolated
		Thunderstorms	Thunderstorms	Thunderstorms	Thunderstorms	Thunderstorms
0 in	0 in	0.12 in	0 .12 in	0.14 in	0 .2 in	0.02 in

Gainesville, FL (OSBS)





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Flight Collection Plan for May 04, 2023

Flyority 1 (Lines 2-5, Only if green)

Collection Area: Disney Wilderness Preserve (DSNY) Flight Plan Name: D03_DSNY_R1_P1_v3_PRM.xml

On-Station Time: 1400 UTC/ 1000 L

Flyority 2 (Line 27, 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: 1410 UTC / 1010 L

Flyority 3 (Lines 2-5, 7-21)

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 (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: 1410 UTC/ 1010 L

Flyority 5 (Lines 28-41, 47-51)

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), Elissa (NIS)