

Payload 3 Daily Flight Report



Date: 2025-05-16

Flight Campaign ID: P3C1

Airport, FBO ID, City: Kissimmee Gateway Airport (KISM) - Kissimmee, FL- Gainesville Regional Airport (KGNV)

Aircraft: N821AR

Domain: 03 (Southeast)

Sites Flown: DSNY (Disney Wilderness Preserve)

Days left in Domain: 5

Report Author: John

Lidar Operators: John Flight Hours: 03:11:00, 02:22:00 Spectrometer Operators: Elissa Hours until maintenance: 91.48

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

Ground Crew: Cameron

Summary

Today the crew was able to complete double mission flights and complete DSNY under Green conditions. Additionally, a tour for the Domain staff was conducted after the mission flights, and a lidar podcast was recorded.

Concerns

The pilot display continues to not synch to the lidar system, so the only way for us to navigate the flight lines is via Foreflight on an iPad. This is not a good longterm situation.

Comments

Mike Wusson arrived today; welcome!

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

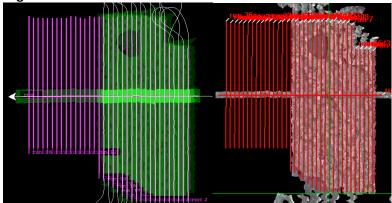
D03 | DSNY

Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lidar	✓	✓	✓	✓	✓	✓	√	✓	√	✓	✓	✓	✓	\	✓	✓	✓	✓	✓	✓
Spectrometer		√	✓	✓	√	√	√	√	√											
Camera	√	✓	✓	√	√	√	√	✓	√											
Cloud Cover																				

Line #	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	√	✓	√	√	√	√	√	√	✓	√	√	✓	√	√	✓	✓
Cloud Cover																

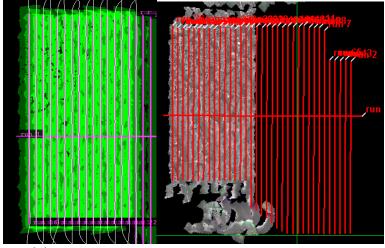
Total number of lines flown: 36

Flight Screenshots



lidar 2025051612

NIS 2025051612



lidar 2025051617

NIS 2025051617

Cumulative Domain Coverage

D03 | DSNY (Disney Wilderness Preserve)

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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	27	28	29	30	31	32	33	34	35	36				

Flown: 100% (36/36) Green: 100% (36/36) Yellow: 0% (0/36) Red: 0% (0/36)

* Flown within 35deg solar angle

D03 | OSBS_P1 (Ordway-Swisher Biological Station Priority 1)

Ī	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: 96% (26/27) Green: 96% (26/27) Yellow: 0% (0/27) Red: 0% (0/27)

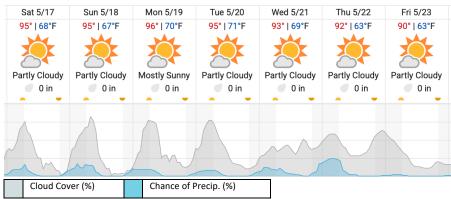
D03 | OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

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

Flown: 100% (16/16) Green: 0% (0/16) Yellow: 0% (0/16) Red: 100% (16/16)

Weather Forecast

Gainesville, FL



source: wunderground.com

Flight Collection Plan for May 17, 2025

Flyority 1- Only if Green

Collection Area: Ordway-Swisher Biological Station (OSBS) Flight Plan Name: D03_OSBS_C1_P2_v2_Q780_east

On-Station Time: 1400 UTC/ 1000 L

Flyority 2- Only if Green

Collection Area: Ordway-Swisher Biological Station (OSBS) Flight Plan Name: D03_OSBS_C1_P2_v2_Q780_west

On-Station Time: 1400 UTC/ 1000 L

Crew: Elissa (Lidar), John (NIS), Mike (Ground)

^{*} Flown within 35deg solar angle

^{*} Flown within 35deg solar angle