



April 21, 2019 Payload 2 Daily Flight Report



**Date:** 2019-04-21

**Flight Campaign ID:** 2019\_P2C1

**Airport, FBO ID, City:** Gainesville Regional Airport (KGNV) - Gainesville, FL

**Domain:** 03

**Sites Flown:** OSBS\_P1 (Ordway-Swisher Biological Station Priority 1), OSBS\_P2 (Ordway-Swisher Biological Station Priority 2)

**Days left in Domain:** 2

**Report Author:** Mitch Haynes

**Flight Crew:** Mitch Haynes, Cameron Chapman

**Ground/GPS:** Michael Wussow

**Pilots:** Wesley Wyatt, David Little

**Additional Personnel:**

**GPS Instruments:** 00 - AOP\_OSBS, C-GNVL

**Flight Hours:** 01:35

**Hours until maintenance:** 64.00

**Summary**

Completed 8 lines under green conditions before building cumulus clouds pushed us pass the 10% sky coverage threshold.

**Concerns**

None

**Comments**

- Mike departs tomorrow for Tuscaloosa to begin preparations for D08 operations.
- Transit from D03 to D08 is set for this Wednesday, April 24<sup>th</sup>.

**Daily Coverage**

D03 OSBS_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
Flown:	5							
D03 OSBS_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	28				✓	✓	×	NL
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	×	NL
Flown:	4							

## Cumulative Domain Coverage

### DSNY

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: 103% (37/36)

Yellow: 0% (0/36)

Red: 0% (0/36)

### OSBS\_P1

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: 104% (28/27)

Yellow: 0% (0/27)

Red: 0% (0/27)

### OSBS\_P2

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
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Flown: 25% (4/16)

Green: 19% (3/16)

Yellow: 6% (1/16)

Red: 0% (0/16)

### N03B

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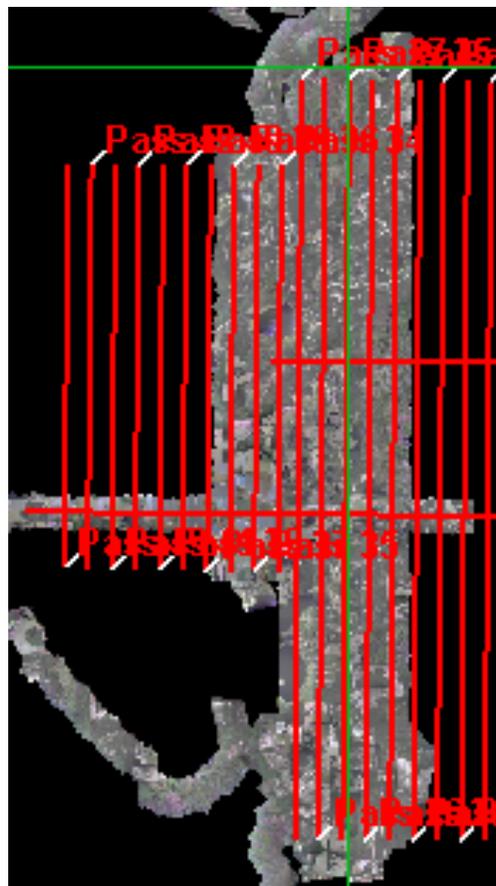
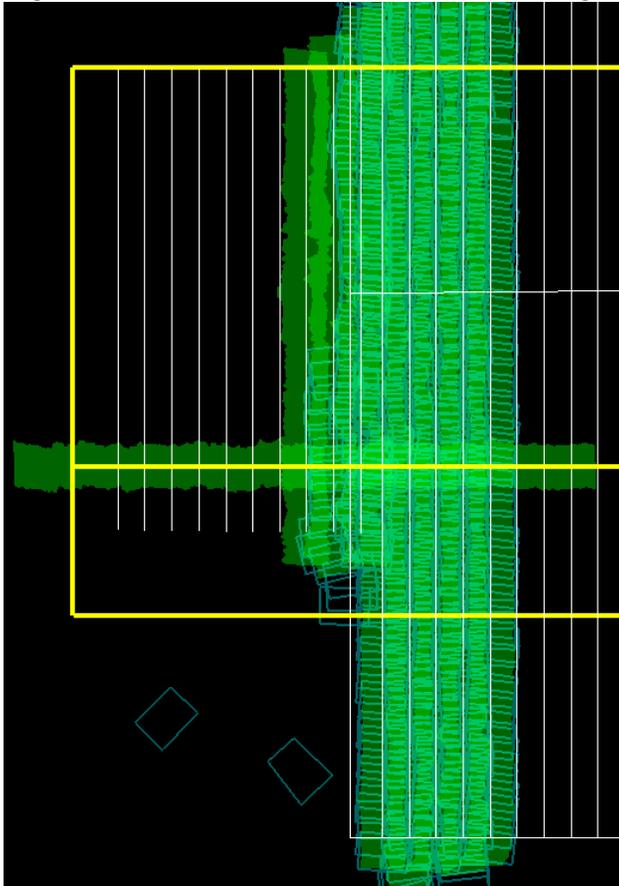
Flown: 100% (1/1)

Green: 100% (1/1)

Yellow: 0% (0/1)

Red: 0% (0/1)

## Flight Screenshots Lidar on the left, NIS on the right



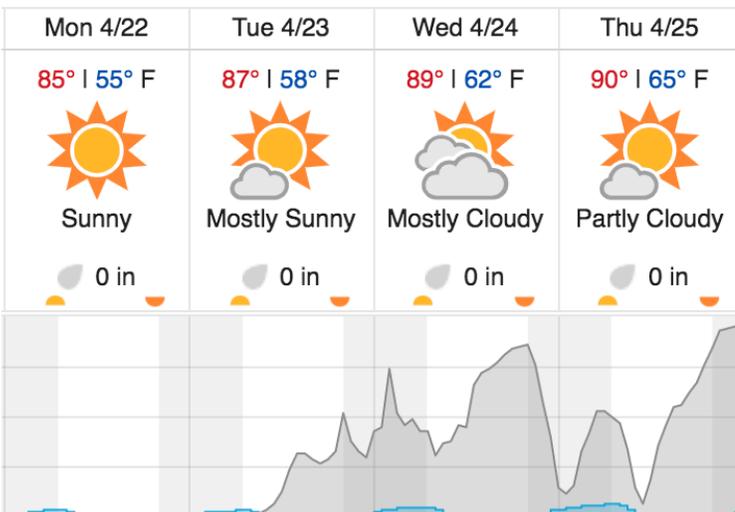
## Pictures



Above: Clear skies above Ordway Swisher at the start of collections.

## Weather Forecast

Gainesville, FL



**Flight Collection Plan for 22 April 2019**

**Flyority 1:** Lines 29-33, 37-43

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 2 Flight Plan

Flight Plan Name: D03\_OSBS\_C1\_P1\_P2\_v3.pln

On Station Time: 1010 L / 1420 UTC

**Crew:** (LiDAR) Cam Chapman (NIS) Mitch Haynes