



2017 P1C1 Daily Report



Flight Campaign ID: 2017_P1C1

FBO ID & City: Kissimmee (KISM) - Kissimmee, FL

Domain: 03

Sites Flown: OSBS

Days left in Domain: 7

Flight Hours: 04:03+02:03=06:05

Hours until maintenance: 73.98

Date: 2017-09-27

Report Author: David Gambino

Pilots: Grant Frost, Ben Wooten

Flight Crew: David Gambino, Mitch Haynes

Ground/GPS: Cameron Chapman

Additional Personnel:

GPS Instruments:

01 - FBO - KISM, 05 - OSBS

Summary: Gainesville continues to be a challenging collection area due to unreliable forecasts and ever-present cloud cover. Nevertheless, we were able to complete initial coverage of OSBS_P1 and OSBS_P2 under mostly red conditions. We collected lines 1-7 of OSBS_P2 just outside of optimal solar angle, since it's unlikely we'll have another opportunity to collect them (owing to P2's low priority and poor forecasts).

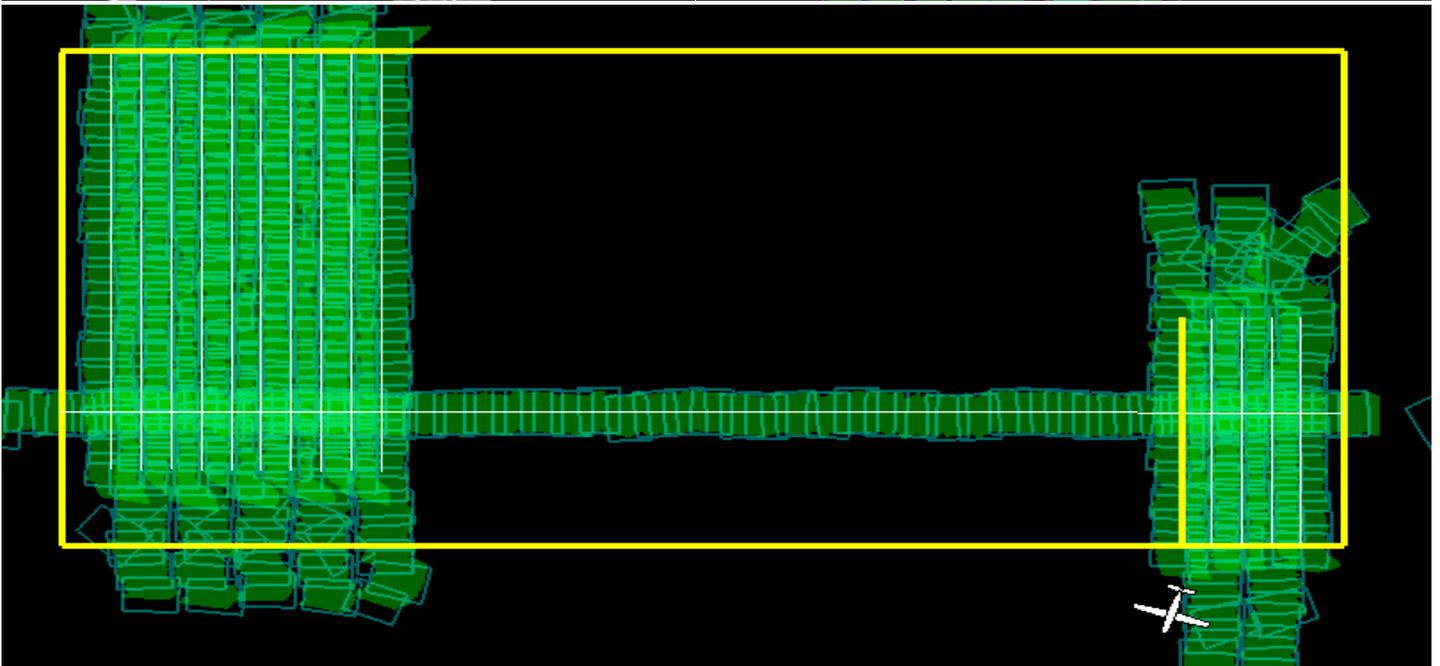
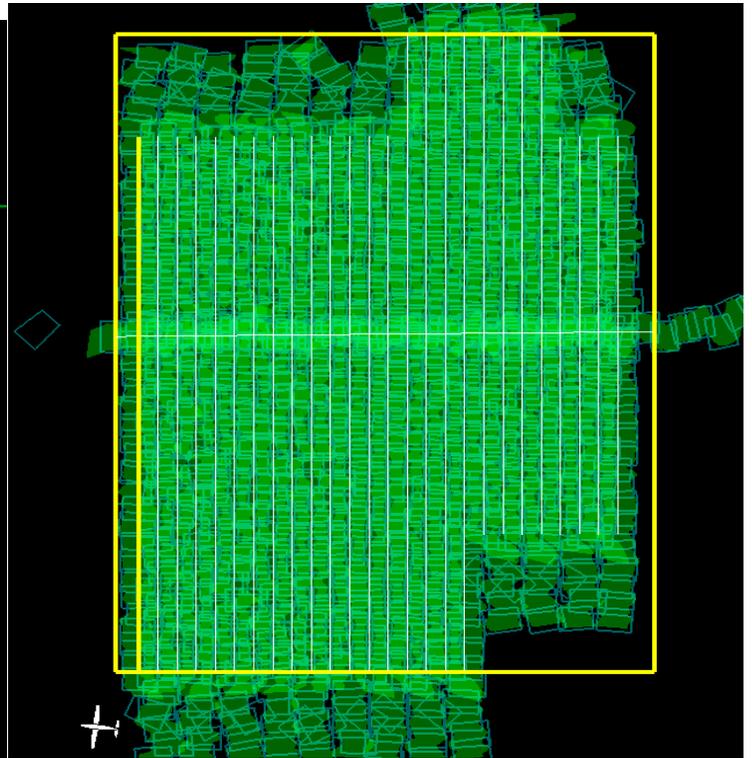
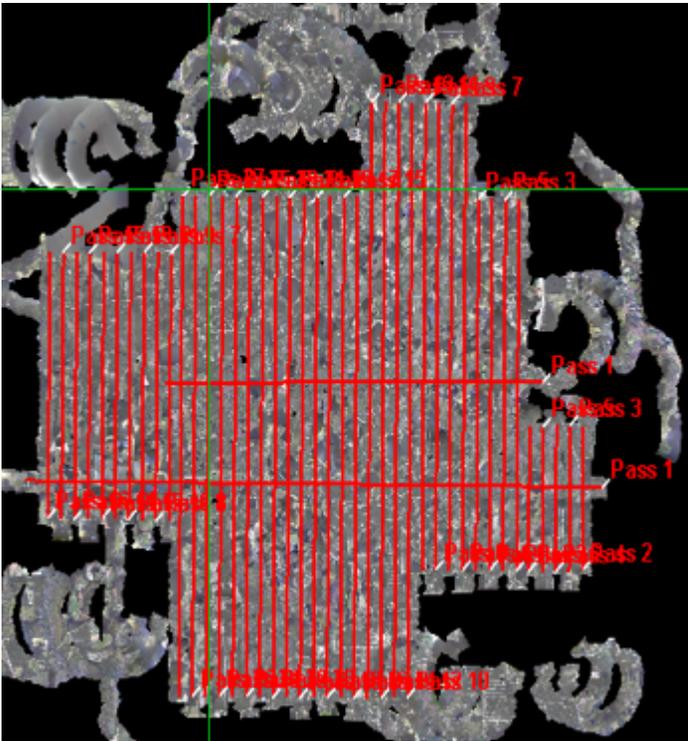
Issues/Concerns:

- Continuing to trigger camera manually to avoid image corruption.

Comments:

- Completed initial coverage OSBS_P1 (1-13, 17-27 red; 14-16 yellow)
- Completed initial coverage OSBS_P2 (1-16 red)
- OSBS_P2 Lines 1-7 collected outside optimal solar angle
- Eben Broadbent from University of Florida flew the GatorEye UAS simultaneously with today's collect
- Swapped battery at DSNY (GPS 09)

NIS/Lidar Screenshot



Pictures:

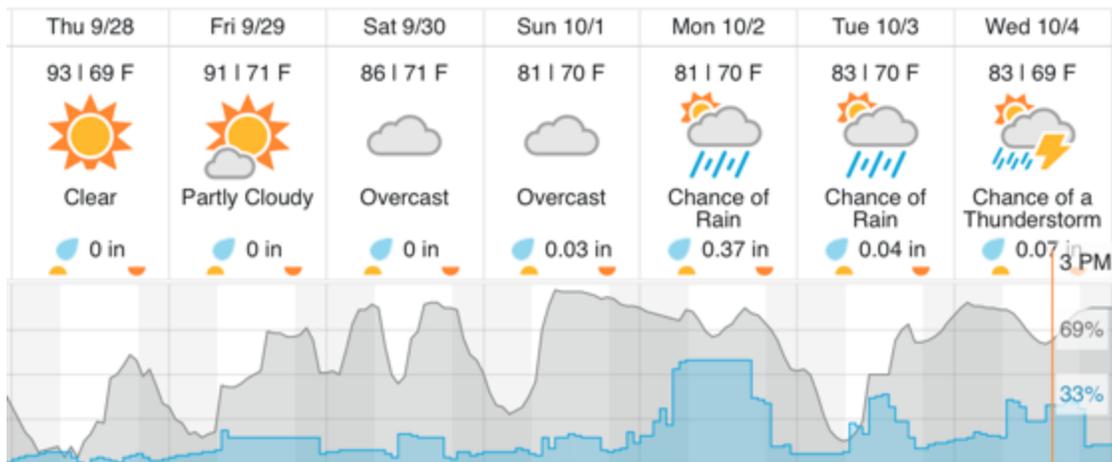


Above: Clouds over OSBS Below: Image captured from GatorEye drone

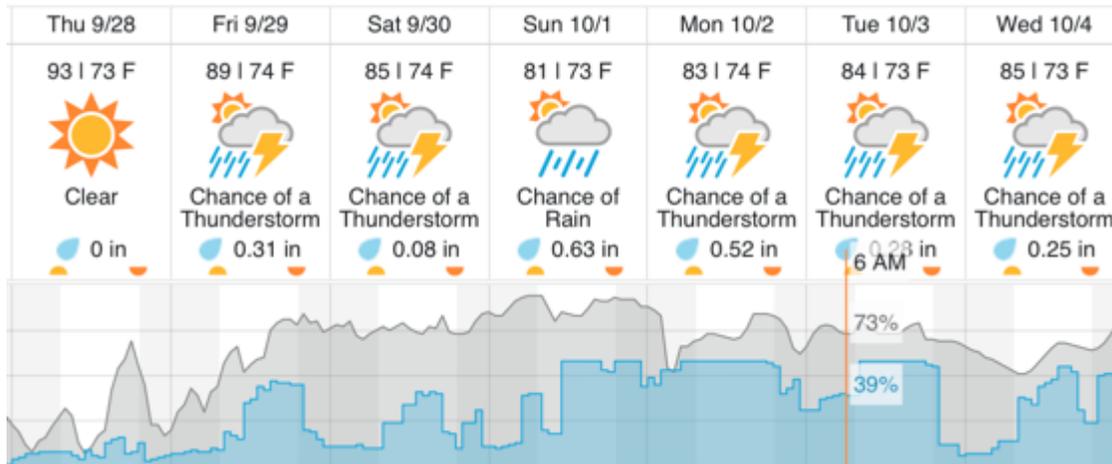


Weather Forecast

Gainesville, FL (OSBS):



Kissimme, FL (DSNY):



Cloud Cover (%)
 Chance of Precip. (%)

Coverage

D03 DSNY	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	22							NLC
Completed:	(0/1)							0.00%
D03 OSBS	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							NLC
	9							NLC
	10							NLC

	11							NLC
	12							NLC
	13							NLC
	14							NLC
	15							NLC
	16							NLC
	17							NLC
	18							NLC
	19							NLC
	20							NLC
	21							NLC
	23							NLC
	24							NLC
	25							NLC
	26							NLC
	27							NLC
Completed:	(0/26)							0.00%

Flight Collection Plan for September 28th 2017

Flyority 1

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 1 Flight Plan

Flight Plan Name: D03_OSBS_C1_P1_v2B.pln

On Station Time: 1030 Local / 1430 UTC

Flyority 2

Collection Area: Disney Wilderness Preserve (DSNY) Lines 1-13 (*If Green 1-31*)

Flight Plan Name: D03_DSNY_R1_P1_v2B.pln

On Station Time: 1030 Local / 1430 UTC

Flyority 3

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

Flight Plan Name: D03_OSBS_C1_P2_v2B.pln

On Station Time: 1030 Local / 1430 UTC

Crew: Lidar: Mitch Haynes, NIS: Cam Chapman, Ground/GPS: David Gambino

Flight Collection Plan for September 29th 2017

Flyority 1

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 1 Flight Plan

Flight Plan Name: D03_OSBS_C1_P1_v2B.pln

On Station Time: 1030 Local / 1430 UTC

Flyority 2

Collection Area: Disney Wilderness Preserve (DSNY) Lines 1-13 (*If Green 1-31*)

Flight Plan Name: D03_DSNY_R1_P1_v2B.pln

On Station Time: 1030 Local / 1430 UTC

Flyority 3

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

Flight Plan Name: D03_OSBS_C1_P2_v2B.pln

On Station Time: 1030 Local / 1430 UTC

Crew: Lidar: Cam Chapman, NIS: David Gambino, Ground/GPS: Mitch Haynes