



October 5, 2018 Payload 2 Daily Flight Report



Date: 2018-10-05

Flight Campaign ID: 2018_P2C1

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

Domain: 03

Sites Flown: OSBS_P1 (Ordway-Swisher Biological Station Priority 1)

Days left in Domain: 6

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Cameron Chapman

Ground/GPS: Mitch Haynes

Pilots: Dylan Malfatti, Mike Francis

Additional Personnel:

GPS Instruments: 10 - OSBS, C-GNVL, FDOT-HULK

Flight Hours: 01:39

Hours until maintenance: 79.87

Summary

With Clear skies at the start of 30deg solar angle the crew set off to collect the remaining lines at OSBS. True to form, the cumulus clouds started to pop about 45 minutes after we started our collections. Lines 2-6 and a cross strip were able to be collected during this early solar angle window. After collections were halted because of the low clouds, the otter was transited to Kissimmee FL. This will be our base of operation until the conclusion of our time in D03 on Oct 12th.

Concerns

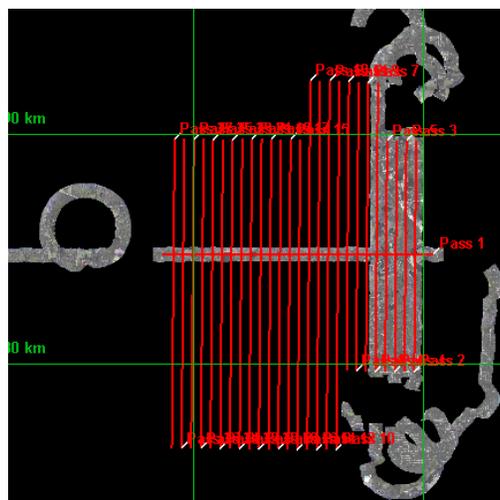
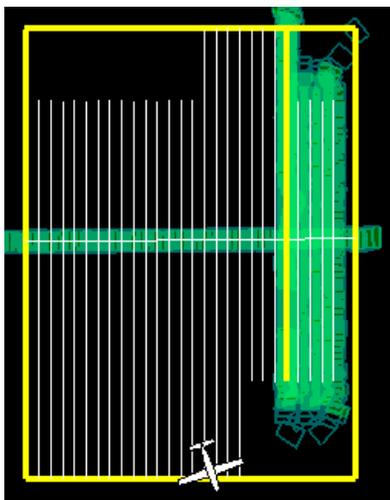
During our normal shutdown routine at the new FBO, the external GPU inadvertently shut down early. This loss of power caused the loss of the "POS_LOGS" text file. All of the individual POS files were recovered and the log file was the only loss.

Comments

--Repositioned the Otter to KISM airport in Kissimmee FL.

--GPS 10 OSBS battery was replaced this morning before flight.

Flight Screenshots



Pictures



The Otter and her new friend the F150 are saying goodbye to Gainesville. Photo by Cam O Chapman

Daily Coverage

D03 OSBS_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
Flown:	6							

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: 0% (0/36)

Green: 0% (0/36)

Yellow: 0% (0/36)

Red: 0% (0/36)

JERC_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															

Flown: 100% (26/26)

Green: 96% (25/26)

Yellow: 27% (7/26)

Red: 19% (5/26)

JERC_P2

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																

Flown: 100% (25/25)

Green: 40% (10/25)

Yellow: 56% (14/25)

Red: 12% (3/25)

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: 15% (4/27)
 Yellow: 11% (3/27)
 Red: 81% (22/27)

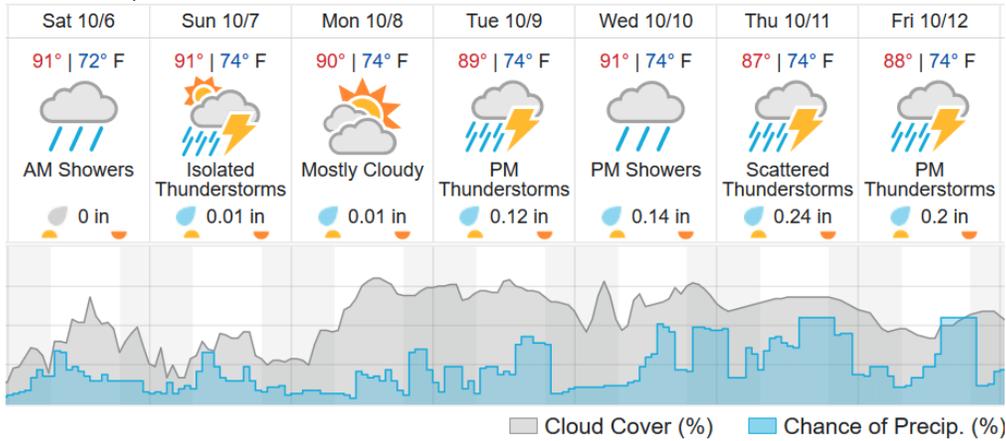
OSBS_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

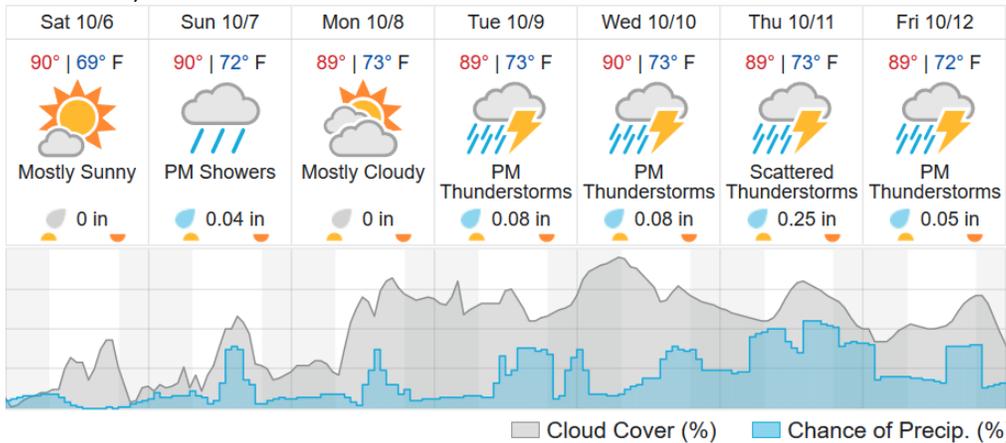
Flown: 0% (0/16)
 Green: 0% (0/16)
 Yellow: 0% (0/16)
 Red: 0% (0/16)

Weather Forecast

Kissimmee, FL



Gainesville, FL



Flight Collection Plan for 6 Oct 2018

Flyority 1

Collection Area: Disney Wilderness Preserve (DSNY)

Flight Plan Name: D03_DSNY_R1_P1_v2B.pln

40° On Station Time: 1040 Local / 1440 UTC

30° On Station Time: 0950 Local / 1350 UTC

Flyority 2

Collection Area: Ordway-Swisher Biological Station (OSBS) Priority 1 Flight Plan ***If "Green" Sky conditions***

Flight Plan Name: D03_OSBS_C1_P1_v2B.pln

40° On Station Time: 1050 Local / 1450 UTC

30° On Station Time: 1000 Local / 1400 UTC

Flyority 3

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

Flight Plan Name: D03_OSBS_C1_P2_v2B.pln

40° On Station Time: 1050 Local / 1450 UTC

30° On Station Time: 1000 Local / 1400 UTC

Crew

Lidar: Cameron Chapman **NIS:** Mitch Haynes **Ground:** Abe Morrison