



April 27, 2019 Payload 2 Daily Flight Report



Date: 2019-04-27

Flight Campaign ID: 2019_P2C1

Airport, FBO ID, City: Tuscaloosa Regional Airport (KTCL) - Tuscaloosa, AL

Domain: 08

Sites Flown: TALL (Talladega National Forest)

Days left in Domain: 14

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Cameron Chapman

Ground/GPS: Robb Walker

Pilots: Wesley Wyatt, David Little

Additional Personnel:

GPS Instruments: 00 - AOP_TALL, 12 - AOP_TALL, 05 – AOP_FBO

Flight Hours: 03:35

Hours until maintenance: 55.48

Summary

With a high very thin layer of cirrus covering most of the sky and not much good weather in the forecast for the next 2 weeks the crew took to the sky. They collected the whole TALL site under “red”(more than 50% cloud cover) sky conditions.

Concerns

--On several lines today the ALTM-NAV system popped up a warning “POSAV Rate Not 50 Hz” followed immediately by a message that “POSAV Rate is 50 Hz”. We have seen this happen on occasion in previous flights but on the last line of the flight today it happened 10 times in rapid succession.

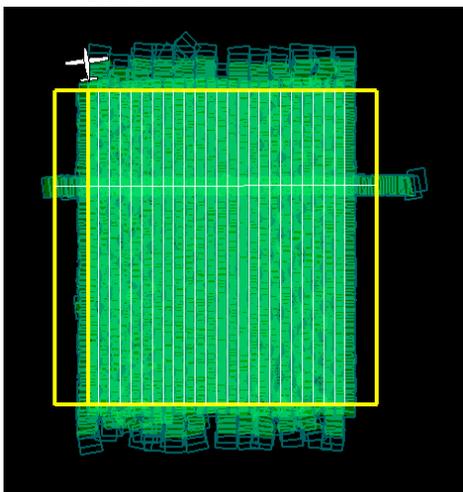
--The LENO tower cam is still not able to be accessed.

Comments

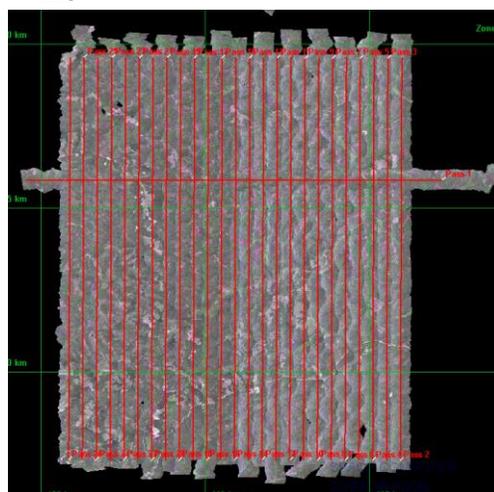
--The battery in the LENO GPS (AOP_4) was replaced today and the solar panel was swapped with the panel from the FBO GPS (AOP_5).

Flight Screenshots

LIDAR



NIS



Daily Coverage

D08 TALL	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
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
Flown:	26							

Cumulative Domain Coverage

D08A

1	2	3	4	5	6	7	8	9	10
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Flown: 0% (0/10)

Green: 0% (0/10)

Yellow: 0% (0/10)

Red: 0% (0/10)

DELA

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: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

LENO

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

N08A

1																			
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Flown: 0% (0/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

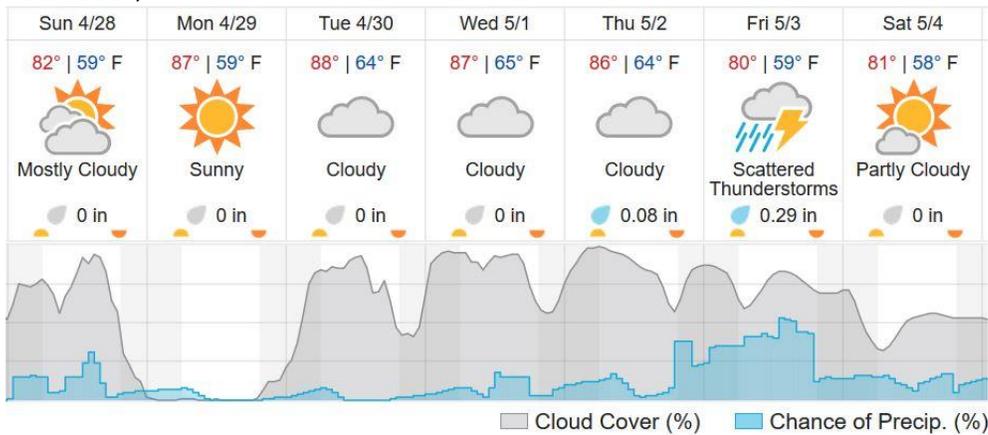
TALL

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															

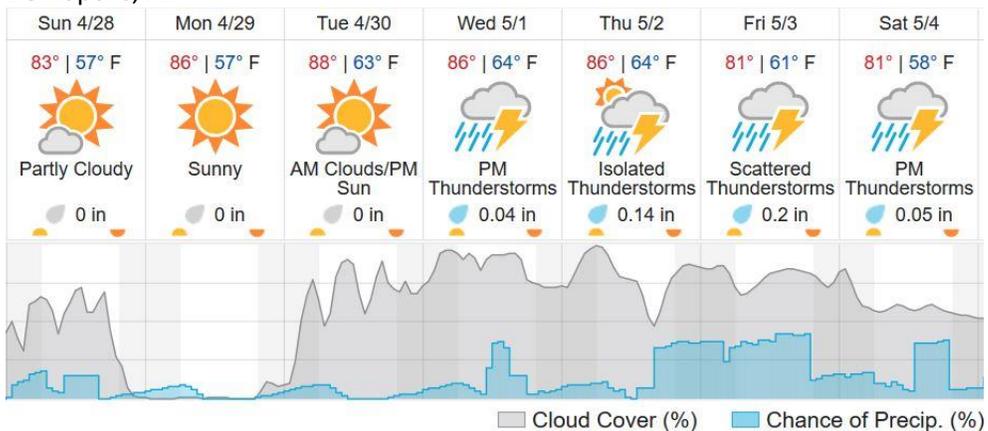
Flown: 100% (26/26)
 Green: 0% (0/26)
 Yellow: 0% (0/26)
 Red: 100% (26/26)

Weather Forecast

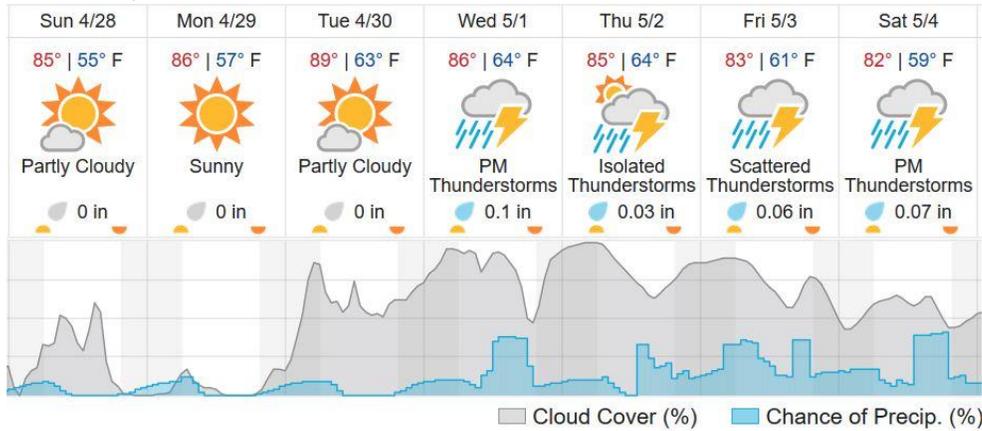
Tuscaloosa, AL



Demopolis, AL



Coffeeville, AL



Flight Collection Plan for 28 April 2019

Flyority 1:

Collection Area: Dead Lake (DELA)

Flight Plan Name: D08_DELA_R1_P1_v1.pln

On Station Time: 1010 L / 1410 UTC

Flyority 2:

Collection Area: Talladega National Forest (TALL) **If "Green" Sky Conditions**

Flight Plan Name: D08_TALL_C1_P1_v1.pln

On Station Time: 0930 L / 1430 UTC

Flyority 3:

Collection Area: Lenoir Landing (LENO)

Flight Plan Name: D08_LENO_R2_P1_v1.pln

On Station Time: 0930L / 1430 UTC

Flyority 4:

Collection Area: Nominal Runway – D08

Flight Plan Name: D08_N08A_Nominal_Runway_Test_v1.pln

Purpose: To test LiDAR range accuracies and noise levels at 100 kHz PRF.

On Station Time: N/A

Crew: (LiDAR) Robb Walker, (NIS) Abe Morrison, (Ground/GPS) Cameron Chapman

Flight Collection Plan for 29 April 2019

Flyority 1 – 4 Same as previously briefed

Crew: (LiDAR) Cameron Chapman, (NIS) Robb Walker, (Ground/GPS) Abe Morrison