



May 1, 2018 Payload 3 Daily Flight Report



Date: 2018-05-01

Flight Campaign ID: 2018_P3C1

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

Domain: 00, 08

Sites Flown: TOIL (Twin Otter Maintenance Flight)

Days left in Domain: 0

Report Author: Ivana Vu

Flight Crew: Ivana Vu

Ground/GPS: Abe Morrison, Robb Walker

Pilots: Paul Muth, Ross Rice

Additional Personnel: None

GPS Instruments: None

Flight Hours: 00:31 (Total)

Hours until maintenance: 38.65

Summary

A series of touch-and-go flights were conducted today to facilitate aircraft maintenance. The camera was removed and shipped back to Boulder, a Hg Lamp Test was completed, and the TOIL mechanic arrived this evening to replace a fuel pump. Preparations have been made to transit to D07 (Asheville, NC) this Friday, weather permitting and pending confirmation that the remaining D08 flight data passes QA/QC checks.

Concerns

- Data from 2 flights as well as the Hg Lamp Test still need to be extracted
- Fuel boost pump on main belly tank is being replaced
- A weather system is slowly moving east towards Alabama and is expected to arrive Saturday. Crew will closely monitor this in case it affects the transit

Comments

- Camera was removed and system configuration changed to operate without it. We will proceed with data collection using just the spectrometer and lidar while the camera is being repaired.
- D08 Field Operations staff are scheduled to visit Friday morning for an AOP tour.
- Hg Lamp Test for D08 was completed.
- GPS base stations will be shipped directly from D08 to D07
- If the remaining data extracts properly and passes QA/QC checks, the aircraft will transit to D07 this Friday morning after the AOP tour.

Pictures

Look who we ran into on the Tarmac! Payload 2 crew stopped for fuel at KTCL and continued their journey to D04 (San Juan, Puerto Rico). Safe travels, P2!



Cumulative Domain Coverage

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: 100% (26/26)

Green: 100% (27/26)

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: 100% (26/26)

Green: 100% (26/26)

Yellow: 8% (2/26)

Red: 4% (1/26)

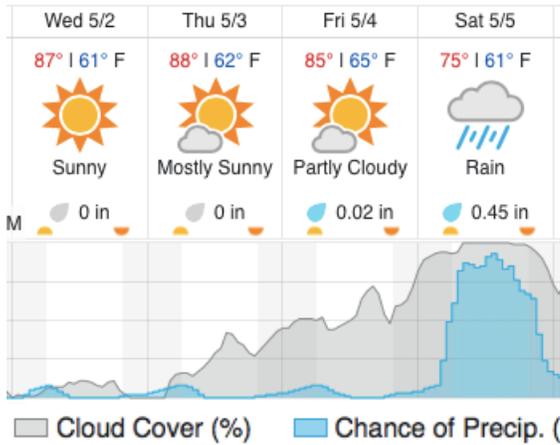
TALL

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														

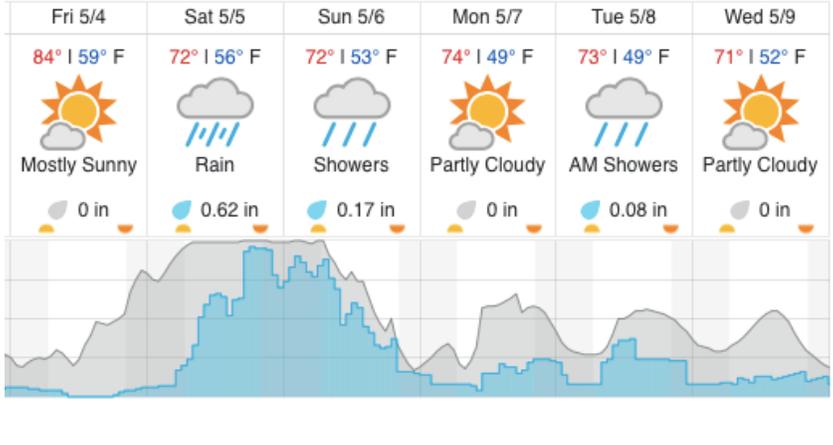
Flown: 100% (26/26)
 Green: 104% (27/26)
 Yellow: 0% (0/26)
 Red: 42% (11/26)

Weather Forecast

Tuscaloosa, AL (D08)



Asheville, NC (D07)



Flight Collection Plan for 02 May 2018

No flights scheduled

Flight Collection Plan for 03 May 2018

No flights scheduled

Flight Collection Plan for 04 May 2018

Aircraft transits to D07

Crew: Robb Walker

New Issues

Fault: IMU, QAQC	Open Date: 5/1/2018
SBET and camera coverage checks for Flight 2018042918 did not generate due to a gap in the IMU data. The SBET was processed manually and this issue has been forwarded to Applanix.	