



## April 26, 2019 Payload 2 Daily Flight Report



**Date:** 2019-04-26

**Flight Campaign ID:** 2019\_P2C1

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

**Domain:** 08

**Sites Flown:** None

**Days left in Domain:** 15

**Report Author:** Cameron Chapman

**Flight Crew:** Cameron Chapman, Abe Morrison

**Ground/GPS:** Abe Morrison

**Pilots:** Wesley Wyatt, David Little

**Additional Personnel:** None

**GPS Instruments:** None

**Flight Hours:** 00:00

**Hours until maintenance:** 59.07

### Summary

Cloudy skies in the morning gave way to clear skies in the late afternoon. The flight crew was prepared to conduct an afternoon flight however system issues delayed takeoff. The issues was quickly identified and resolved by Andrew however it took longer than expected for the system's temperature to return within operational limits. The diminishing solar angle coupled with the other issues throttled any attempt at collection.

### Concerns

- cRIO locked up. A cRIO reset resolve the issue however during the reset, the system unexpectedly warmed by 10K
- LENO's mobile GPS may have battery issues as the battery doesn't appear to be charging properly.
- Can't connect to LENO's Tower Camera.

### Comments

- Mobile GPS units were deployed at DELA and TALL today. We currently have mobile units at all D08 sites.
- Robb arrived in D08 today
- SNOW incident INC0028754 has been created to capture the cRIO issue.

**Flight Screenshots:** None

**Picture**



**The mobile GPS unit was deployed near the DELA this morning**

**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: 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)

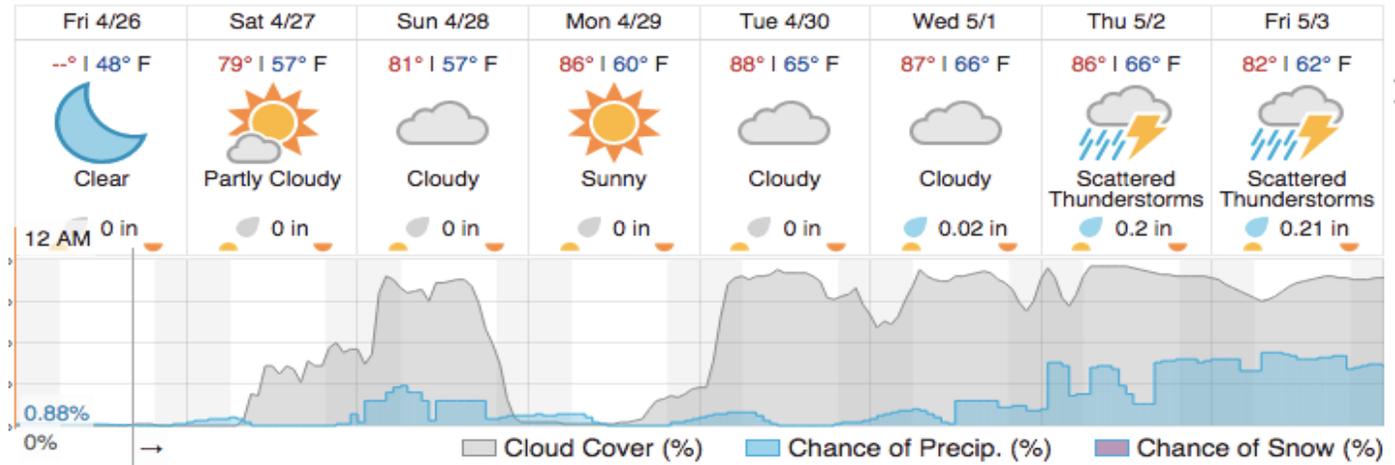
**TALL**

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															

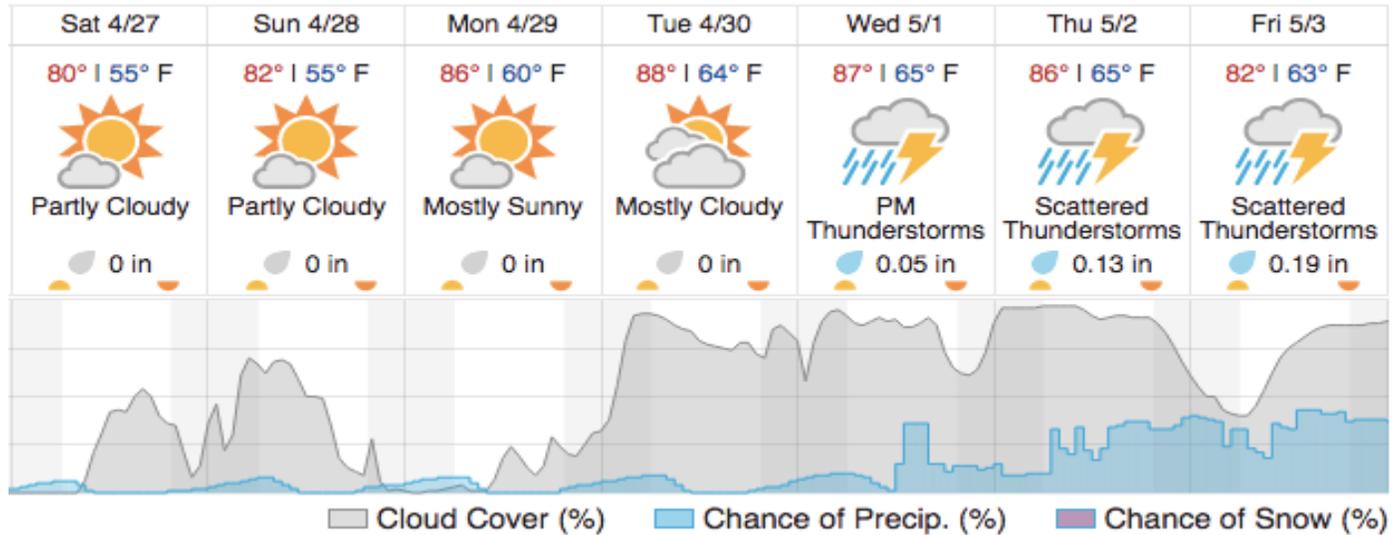
Flown: 0% (0/26)  
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 Yellow: 0% (0/26)  
 Red: 0% (0/26)

## Weather Forecast

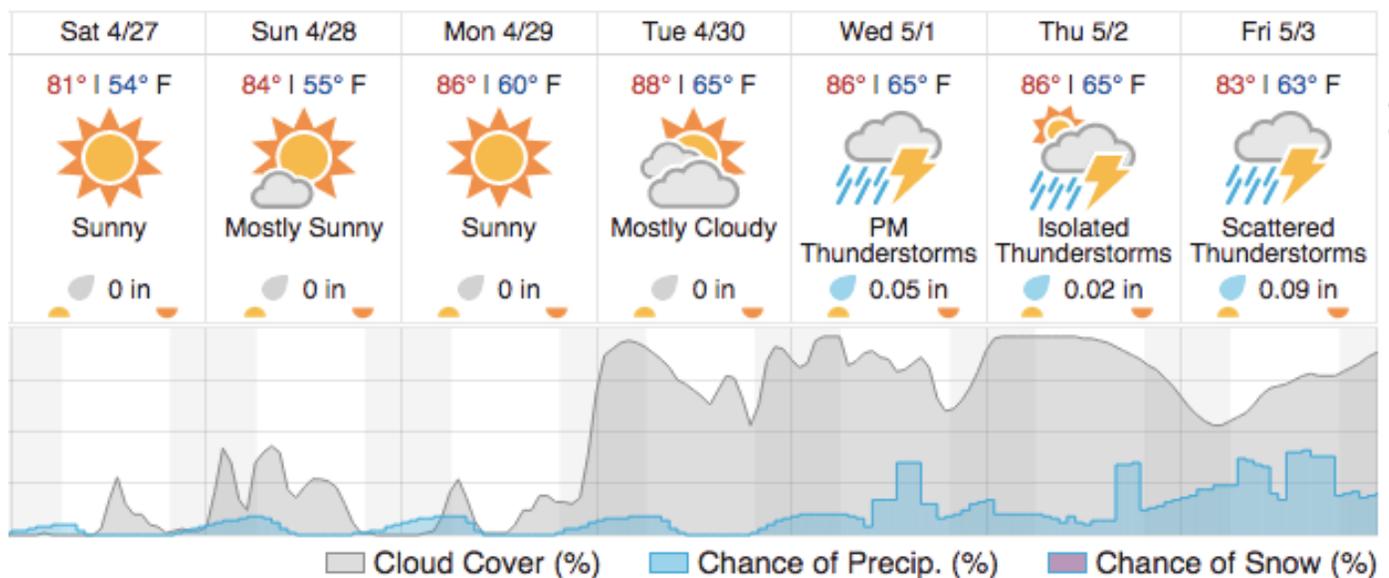
Tuscaloosa, AL



Demopolis, AL



Coffeeville, AL



## **Flight Collection Plan for 27 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)

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) Abe Morrison (NIS) Cameron Chapman (Ground/GPS) Robb Walker**

## **Flight Collection Plan for 28 April 2019**

**Flyority 1 – 4** Same as previously briefed

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