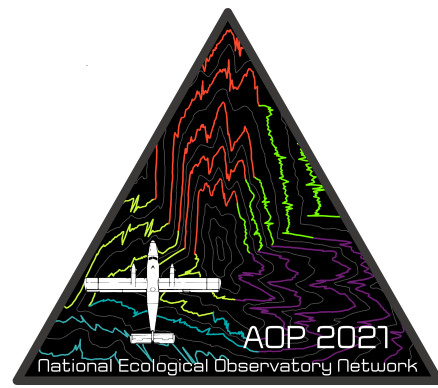




Payload 3 Daily Flight Report



**Date:** 2021-05-06

**Flight Campaign ID:** P3C1

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

**Aircraft:** N615AR

**Domain:** 08 (Ozarks Complex)

**Sites Flown:** TALL (Talladega National Forest )

**Days left in Domain:** 4

**Report Author:** Cameron Chapman

**Lidar Operators:** Cameron Chapman

**Spectrometer Operators:** Abe Morrison

**Pilots:** Stephen Brawders, Vince Maarschalkerweerd

**Flight Hours:** 03:25:00, 01:36:00

**Hours until maintenance:** 60.07

**GPS Instruments:** 01 - TALL, 09 - FBO\_KTCL

**Summary**

We took off this morning with the tower cameras showing clear skies at all sites. Shortly after takeoff, a layer of low cumulus developed over TALL and slowly moved south before dissipating. When we returned to TALL an hour later, we were welcomed by clear skies for the remainder of the day. We were able to collect the entire site in “Green” sky conditions.

**Concerns**

- Transit weather on Sunday is being closely monitored by flight crew.

**Comments**

- TALL GPS was visited yesterday evening due to a battery charging issue. The battery was changed.
- Completed TALL in “Green”

**Daily Coverage**

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

**D08 | TALL**

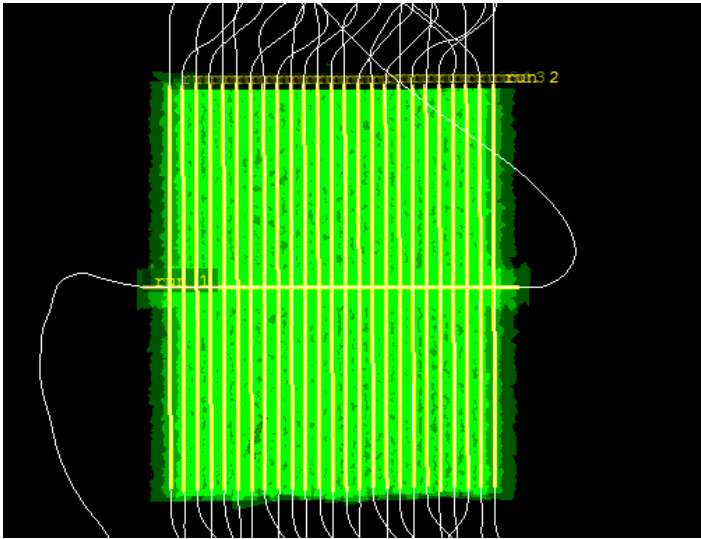
Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

Total number of lines flown: 25

## Flight Screenshots

Lidar Swath



NIS Geopaint (Unavailable)

## Pictures

Clear skies over TALL during todays flight



## Cumulative Domain Coverage

### D08 | DELA (Dead Lake )

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)

### D08 | LENO (Lenoir Landing )

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															

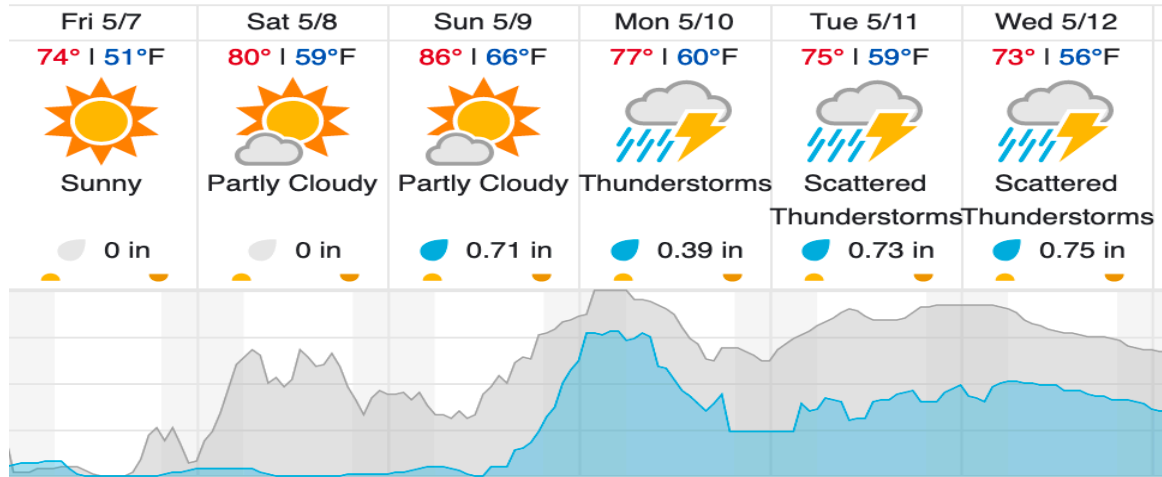
Flown: 62% (16/26)  
 Green: 54% (14/26)  
 Yellow: 8% (2/26)  
 Red: 0% (0/26)

### D08 | TALL (Talladega National Forest )

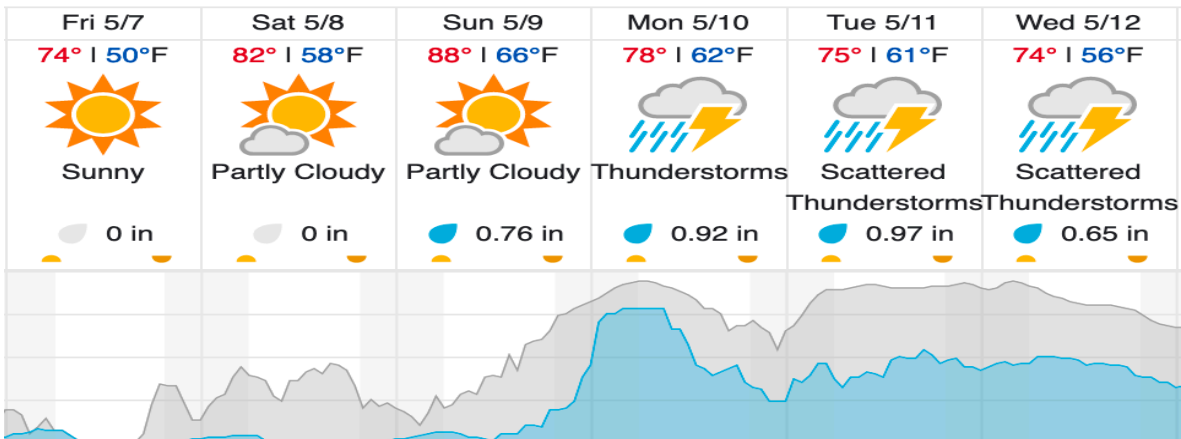
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26															

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

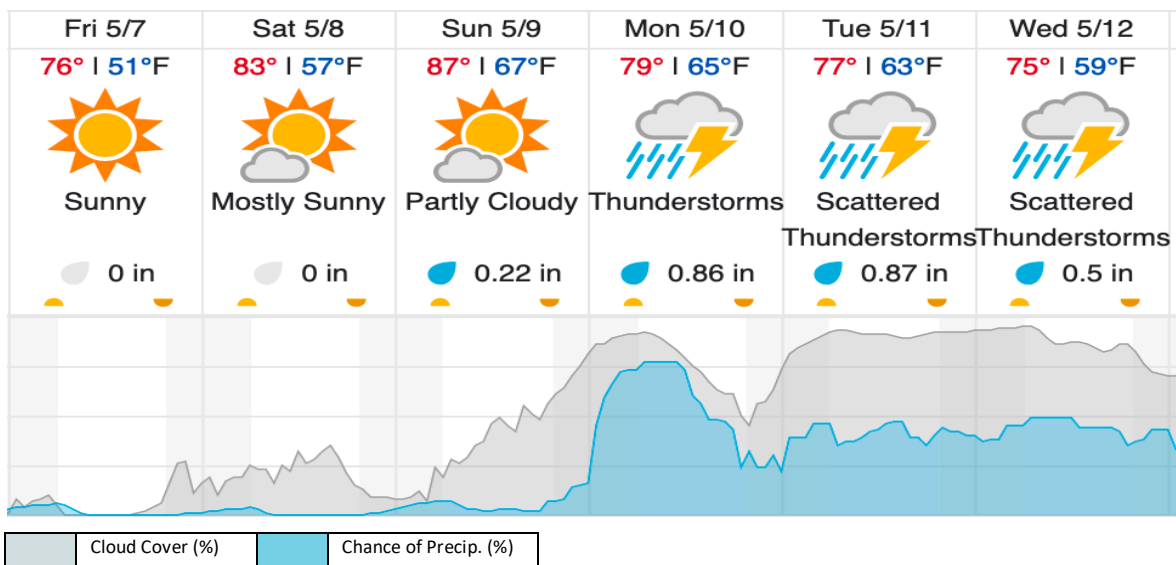
## Weather Forecast: (Tuscaloosa)



## Demopolis, AL (DELA)



Coffeeville, AL (LENO)



source: wunderground.com

**Flight Collection Plan for 07 May 2021**

**Flyority 1**

Collection Area: Dead Lake (DELA) – Priority 1 Flight Box

Flight Plan Name: D08\_DELA\_R1\_P1\_v2\_Q780

On-station Time: 1430 UTC / 0930 L

**Flyority 2**

Collection Area: Dead Lake (DELA) – Priority 2 Flight Box

Flight Plan Name: D08\_DELA\_R1\_P2\_v2\_Q780

On-station Time: 1430 UTC / 0930 L

**Flyority 3**

Collection Area: Lenoir Landing (LENO)

Flight Plan Name: D08\_LENO\_R2\_P1\_v2\_Q780

On-station Time: 1430 UTC / 0930 L

Flight Crew: Cameron Chapman, Abrahand Morrison