



Payload 2 Daily Flight Report

**Date:** 2026-05-04  
**Flight Campaign ID:** P2C1  
**Airport, FBO ID, City:** Bessemer Municipal Airport - Mitchell Field (KEY) - Bessemer, AL  
**Aircraft:** N821AR

**Domain:** 08 (Ozarks Complex)  
**Sites Flown:** None  
**Days left in Domain:** 14

**Report Author:** John  
**Lidar Operators:** John                      **Flight Hours:** 0.0  
**Spectrometer Operators:** Cameron      **Hours until maintenance:** 54.35  
**Pilots:** Justin, Jonathon                  **GPS Instruments:** None

**Summary**

The crew gathered in the mid-morning to possibly fly LENO during an anticipated large gap in cloud activity during the afternoon. However a new line of clouds formed in the middle of the gap, closing off that opportunity. No flights today.

**Concerns**

- Monitoring the rate of recharge from the solar panels on the various GPS ground stations. Works well when sunny, but we will be having some cloudy days ahead.

**Comments**

- GPU cabling was fixed by Mitch, nice job!
- GPS cabling at FBO was fixed.
- LENO tower camera was reset, nice work by the Domain Staff!

**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	27	28	29	30	31	32	33	34	35					

Flown: 0% (0/35)  
Green: 0% (0/35)  
Yellow: 0% (0/35)  
Red: 0% (0/35)  
\* Flown within 35deg solar angle

**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: 0% (0/26)  
Green: 0% (0/26)  
Yellow: 0% (0/26)  
Red: 0% (0/26)  
\* Flown within 35deg solar angle

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: 46% (12/26)

Green: 42% (11/26)

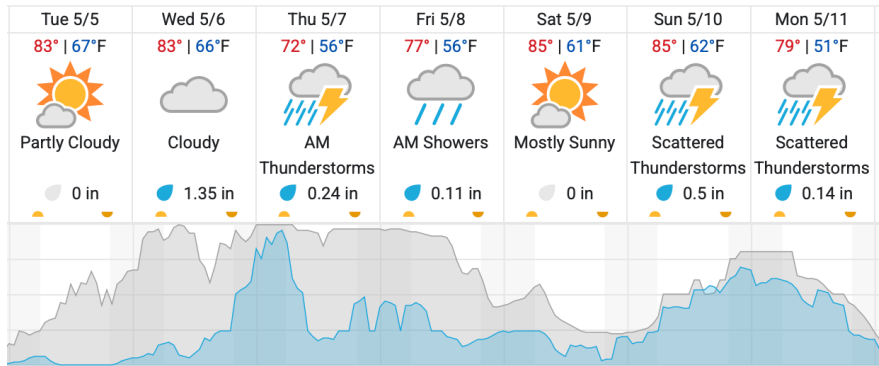
Yellow: 4% (1/26)

Red: 0% (0/26)

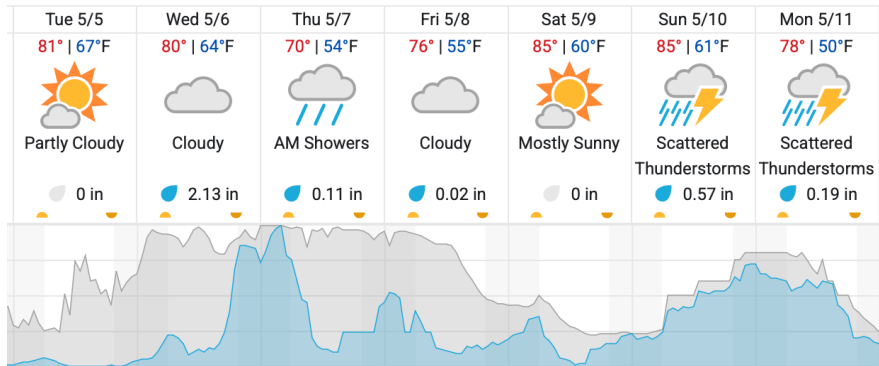
\* Flown within 35deg solar angle

**Weather Forecast**

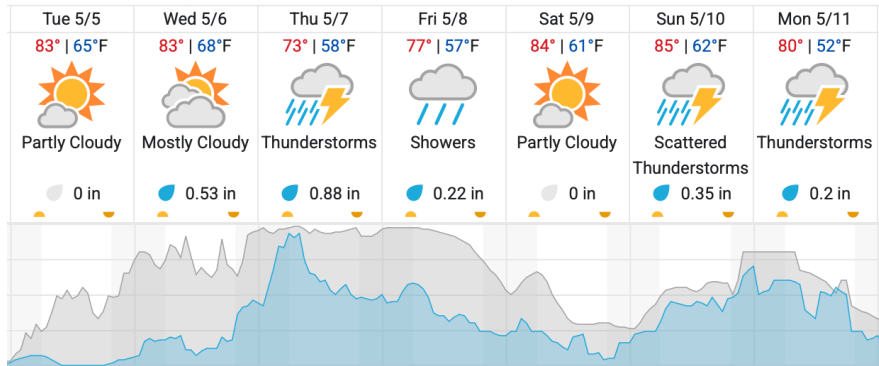
**Demopolis, AL (DELA)**



**Moundville, AL (TALL)**



**Coffeeville, AL (LENO)**



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

## **Flight Collection Plan for May 5, 2026**

### **Flyority 1**

Site: Lenoir Landing (LENO)

Flight Plan Name: D08\_LENO\_R2\_P1\_v4\_VQ780

Solar Angle Time: 14:30UTC / 09:30L

### **Flyority 2**

Site: Talladega National Forest (TALL) Lines 2-4, 16 - 26

Flight plan name: D08\_TALL\_C1\_P1\_v4\_VQ780

Solar Angle Time: 14:20UTC / 09:20L

### **Flyority 3**

Site: Dead Lake (DELA) – Priority 1 Flight Box

Flight Plan Name: D08\_DELA\_R1\_P1\_P2\_v4\_VQ780

Solar Angle Time: 14:20UTC / 09:20L

***Request by Jilin Men to fly DELA on May 6, 11, 16, 21, or 26 to coincide with Sentinel-2 overpass.***

### **Flyority 4**

Site: Dead Lake (DELA) – Priority 2 Flight Box

Flight Plan Name: D08\_DELA\_R1\_P1\_P2\_v4\_VQ780

Solar Angle Time: 14:20UTC / 09:20L

**Crew:** Mitch (Lidar), John (NIS)