



Payload 2 Daily Flight Report

**Date:** 2026-05-18  
**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:** 0

**Report Author:** Mitch  
**Lidar Operators:** Mitch                      **Flight Hours:** 00:00  
**Spectrometer Operators:** Cameron   **Hours until maintenance:** 42.83  
**Pilots:** Justin, Jonathon

**Summary**

With D08 collections complete, the crew continued preparations towards D07, with the transit scheduled for tomorrow.

**Concerns**

Brendon alerted the flight crew of slightly higher than normal cryocooler temperatures on the payload. Crew will investigate tomorrow and look to work with the lab to install a kit that will allow remote monitoring of the flow rate via telemetry.

**Comments**

Mitch drove ahead of the plane from Birmingham to Asheville to verify power and adapter compatibility in the new hangar we'll be in this year.

**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: 100% (35/35)

Green: 89% (31/35)

Yellow: 9% (3/35)

Red: 3% (1/35)

\* 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: 100% (26/26)

Green: 100% (26/26)

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
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21	22	23	24	25	26
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Flown: 100% (26/26)

Green: 96% (25/26)

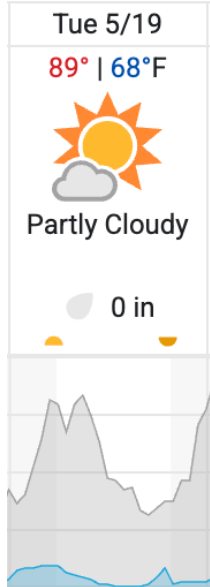
Yellow: 4% (1/26)

Red: 0% (0/26)

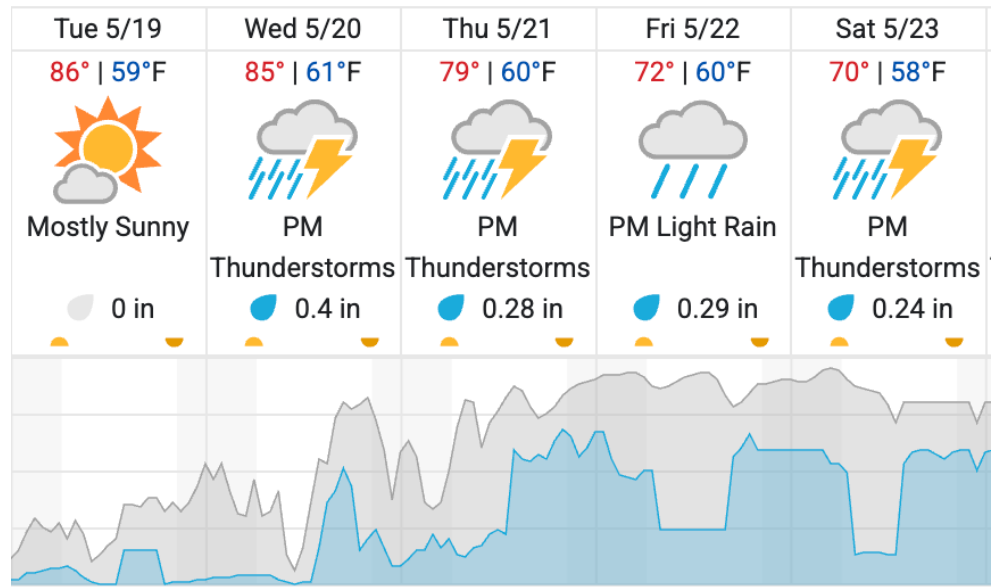
\* Flown within 35deg solar angle

### Weather Forecast

Bessemer, AL (D08 FBO)



Fletcher, NC (D07 FBO)



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

### Flight Collection Plan for May 19, 2026

Transit to D07

Crew: Cam (Flight), Mitch (Ground)