



Payload 2 Daily Flight Report

**Date:** 2026-05-15  
**Flight Campaign ID:** P2C1  
**Airport, FBO ID, City:** Bessemer Municipal Airport - Mitchell Field (KEYK) - Bessemer, AL  
**Aircraft:** N821AR

**Domain:** 08 (Ozarks Complex)  
**Sites Flown:** DELA (Dead Lake)  
**Days left in Domain:** 3

**Report Author:** Mitch  
**Lidar Operators:** Mitch      **Flight Hours:** 02:30  
**Spectrometer Operators:** John      **Hours until maintenance:** 42.83  
**Pilots:** Justin, Jonathon      **GPS Instruments:** 02 - KEYK, 07 - DELA

**Summary**

Clear skies this morning allowed the crew to finish up coverage over Dead Lake and “green up” almost the entire box, before clouds pushed in. With only 2 non-cross strip lines remaining under non-green conditions, this will likely conclude 2026 flights in D08. The last 3 days will be spent finishing data extraction and qaqc, collection GPS units, and preparing to transition operations to D07.

**Concerns**

None

**Comments**

- VPN lost connection at some point QA run of yesterday’s flight, resulting in a loss of the Riegl License. QA is currently being re-run, and extraction of today’s flight will commence once that is complete.
- Cam arrived in Alabama this afternoon. Welcome, Cam!

**Daily Coverage**

Estimated Cloud Cover Key

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

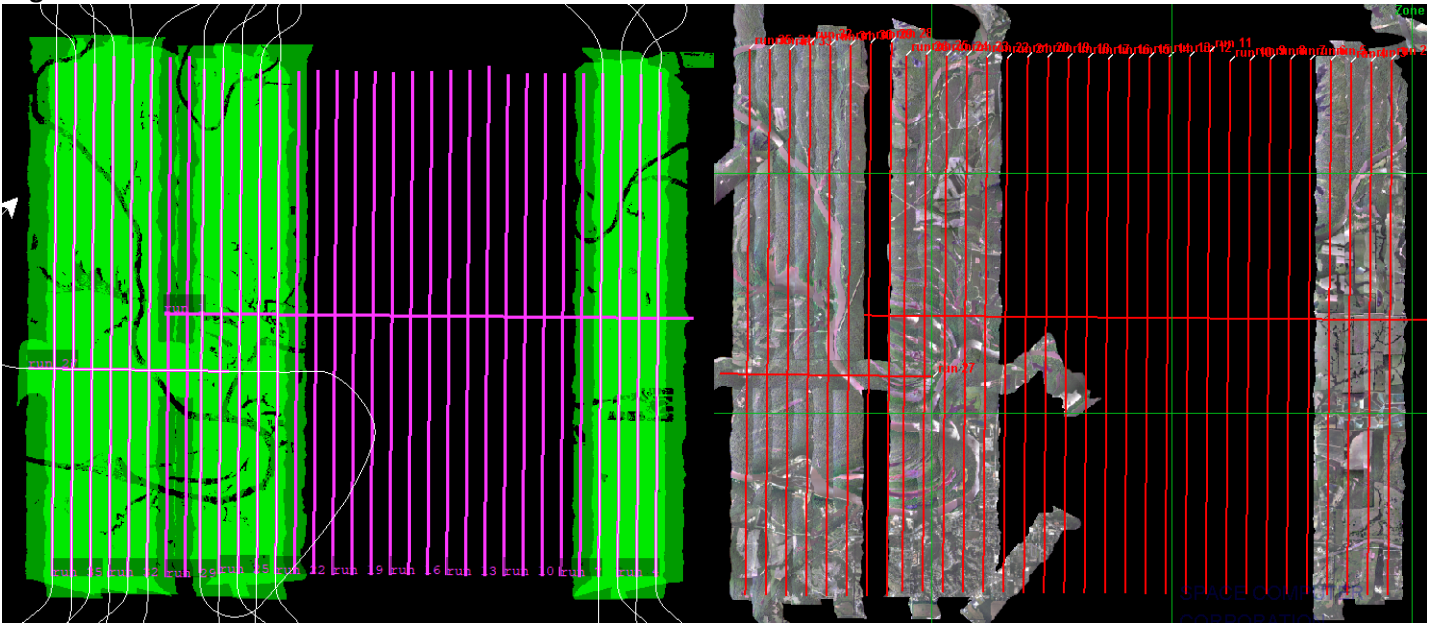
Solar Angle Less Than 40 degrees: (\*)

D08|DELA

Line #	2	3	4	5	22	23	24	25	26	27	30	31	32	33	34	35
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Cloud Cover																

Total number of lines flown: 16

## Flight Screenshots



### 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	
21	22	23	24	25	26															

Flown: 100% (26/26)

Green: 96% (25/26)

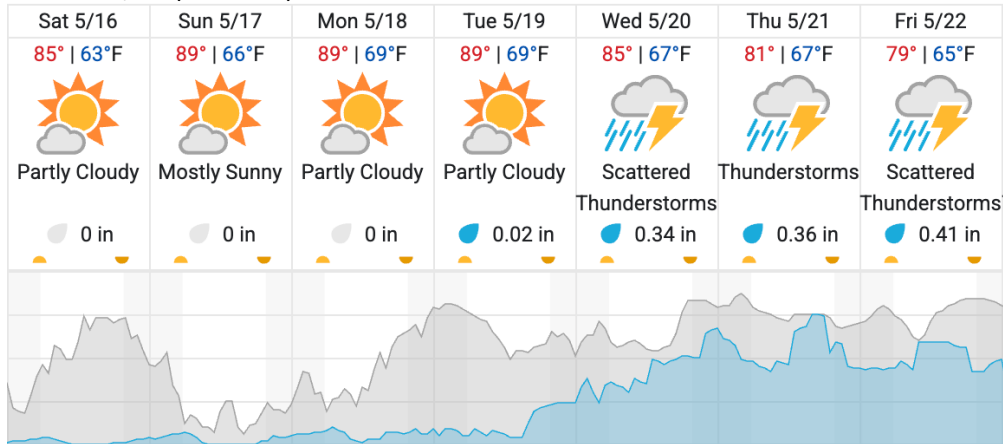
Yellow: 4% (1/26)

Red: 0% (0/26)

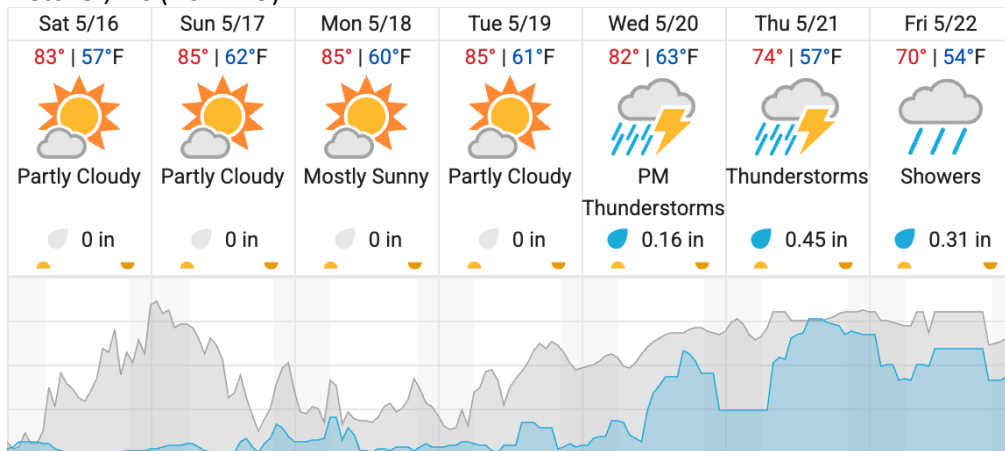
\* Flown within 35deg solar angle

## 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 16-18, 2026

No flights currently planned.

### Flight Collection Plan for May 19, 2026

Transit to D07

Crew: Mitch, Cam