



Payload 2 Daily Flight Report



Date: 2026-05-14

Flight Campaign ID: P2C1

Airport, FBO ID, City: Bessemer Municipal - Mitchell Field (KEYK) - Bessemer, AL; Key Field (KMEI) - Meridian, MS

Aircraft: N821AR

Domain: 08 (Ozarks Complex)

Sites Flown: LENO (Lenoir Landing), TALL (Talladega National Forest)

Days left in Domain: 4

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mitch

Pilots: Justin, Jonathon

Flight Hours: 03:15, 02:13

Hours until maintenance: 45.33

GPS Instruments: 02 - KEYK, 06 - LENO, 05 - TALL

Summary

Today we completed a double mission, all lines at LENO and finishing TALL; both sites were under Green conditions.

Concerns

None.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D08|TALL

Line #	2	3	4	16	17	18	19	20	21	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover														

Total number of lines flown: 14

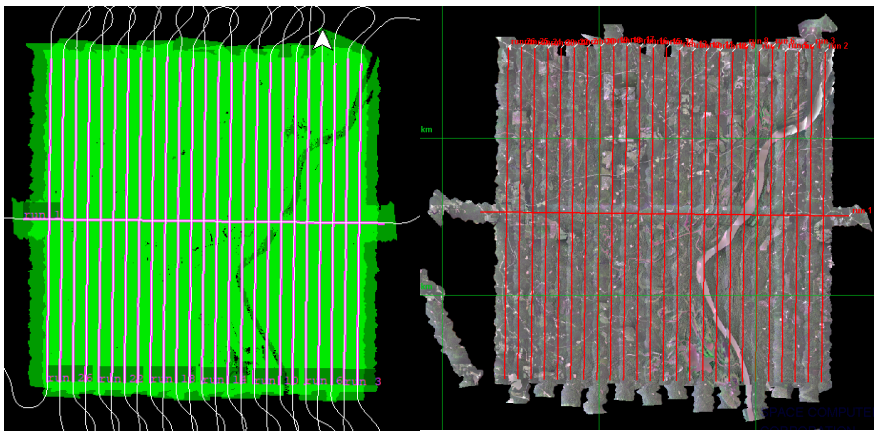
D08|LENO

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					

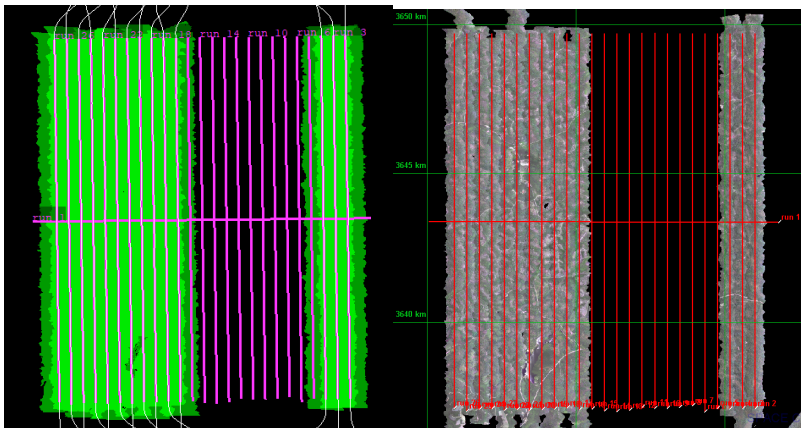
Total number of lines flown: 25

Flight Screenshots



LENO lidar

LENO NIS



LENO lidar

LENO NIS

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: 80% (28/35)

Green: 46% (16/35)

Yellow: 31% (11/35)

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)

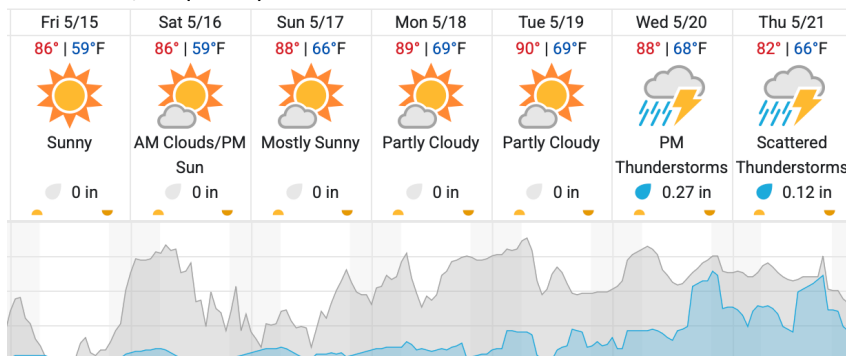
Yellow: 4% (1/26)

Red: 0% (0/26)

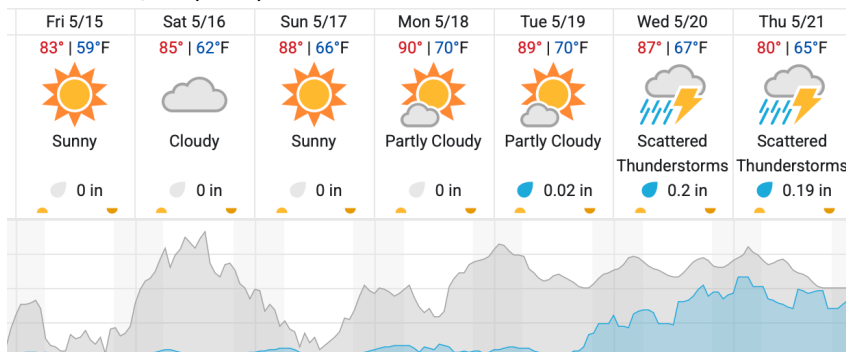
* Flown within 35deg solar angle

Weather Forecast

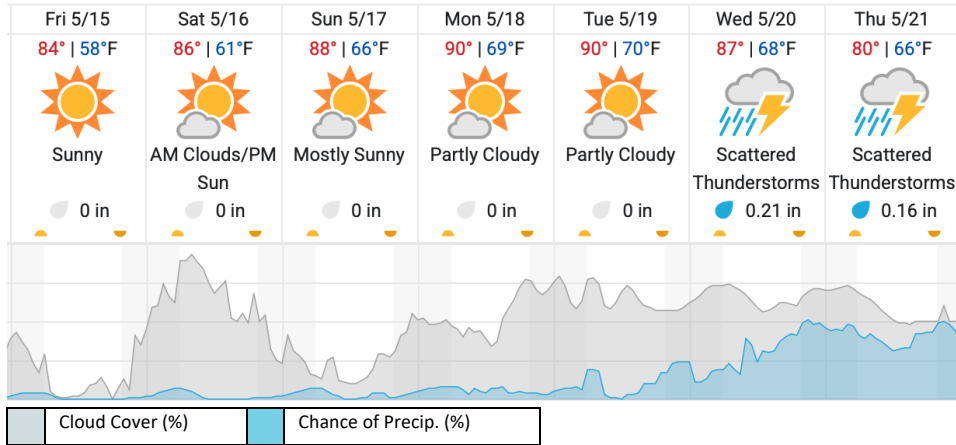
Coffeeville, AL (LENO)



Moundville, AL (TALL)



Demopolis, AL (DELA)



source: wunderground.com

Flight Collection Plan for May 15, 2026

Flyority 1

Site: Dead Lake (DELA) – Missing lines in the 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 16, 21, or 26 to coincide with Sentinel-2 overpass.

Crew: Mitch (Lidar), John (NIS)