



Payload 1 Daily Flight Report



Date: 2023-05-14

Flight Campaign ID: P1C1

Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEYY) - Bessemer, AL

Aircraft: N331AR

Domain: 08 (Ozarks Complex)

Sites Flown: LENO (Lenoir Landing), N08A (D08 Nominal Runway)

Days left in Domain: 15

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 02:19

Spectrometer Operators: Mitch

Hours until maintenance: 53.55

Pilots: Jeff, Eric

GPS Instruments: 04 - LENO, 07 - FBO_KEYY

Summary

Weather conditions early this morning were promising enough to venture to south Alabama to our LENO site. Cumulus clouds began to develop at and below flight altitude shortly after arriving. We were able to collect 4 lines in green sky conditions before the clouds forced an end to data collection. During the transit back, we collected the Nominal Runway flight plan.

Concerns

- DELA Tower camera appears to be offline.
- TALL GPS mysteriously went offline. The crew will continue investigate.

Comments

- None

Daily Coverage

Estimated Cloud Cover Key

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

D08|LENO

Line #	5	6	9	10
Lidar	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

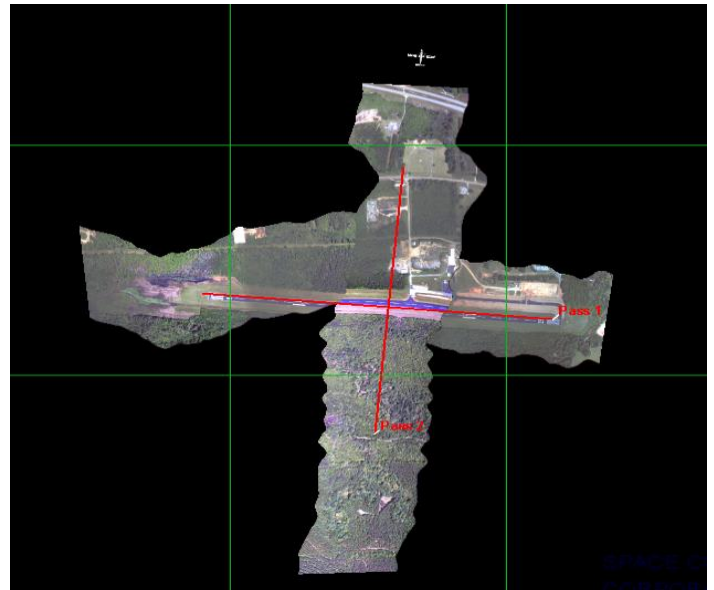
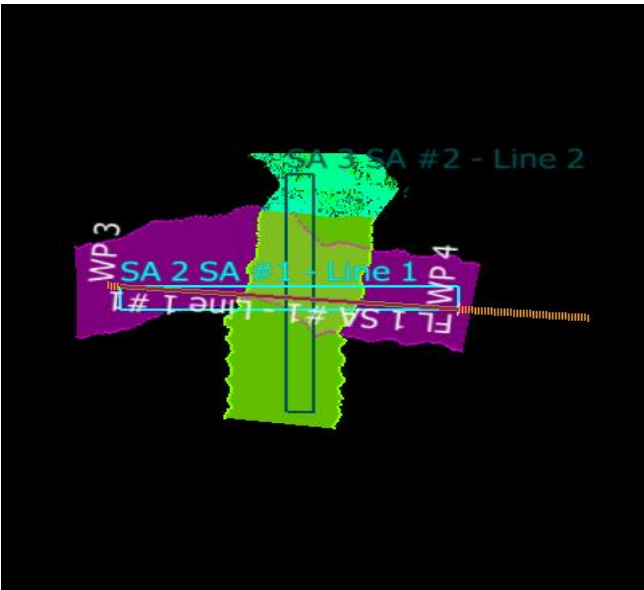
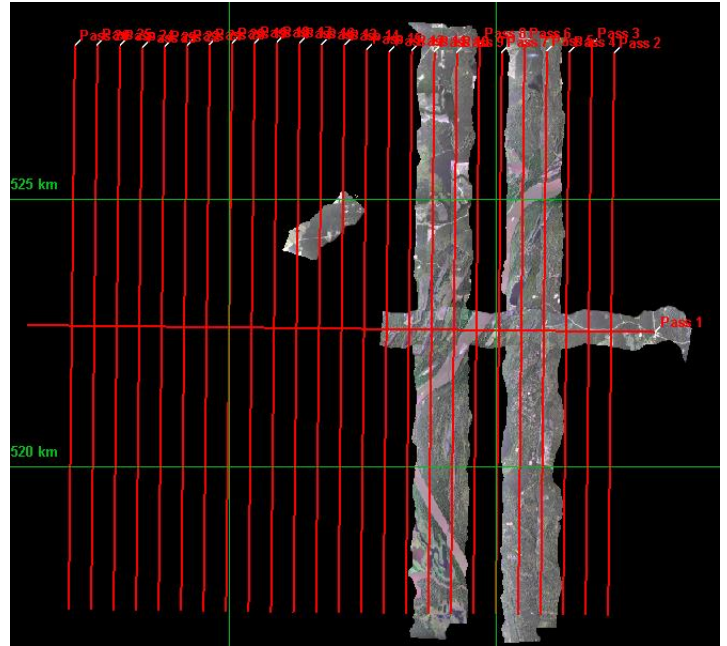
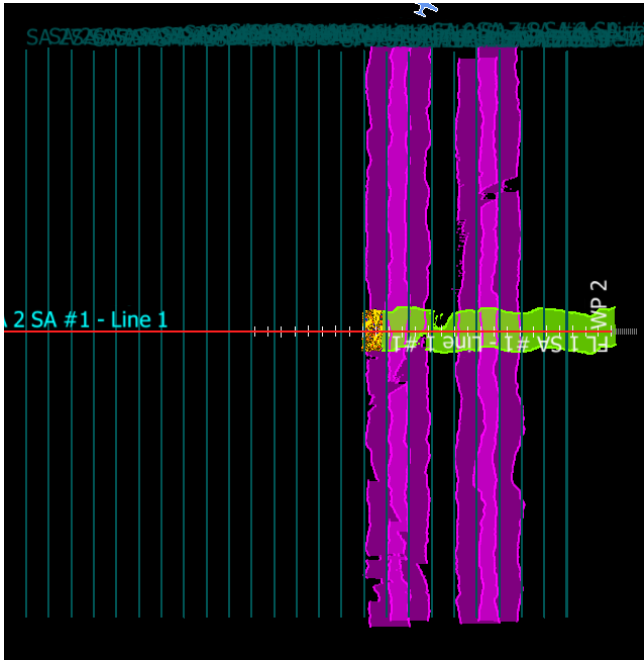
Total number of lines flown: 4

D08|N08A

Line #	1	2
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover	Yellow	Yellow

Total number of lines flown: 2

Flight Screenshots



Pictures



The Twin Otter sitting on the ramp in Bessemer AL prior to takeoff this morning.

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: 19% (5/26)
 Green: 15% (4/26)
 Yellow: 4% (1/26)
 Red: 0% (0/26)

D08 | N08A (D08 Nominal Runway)

1

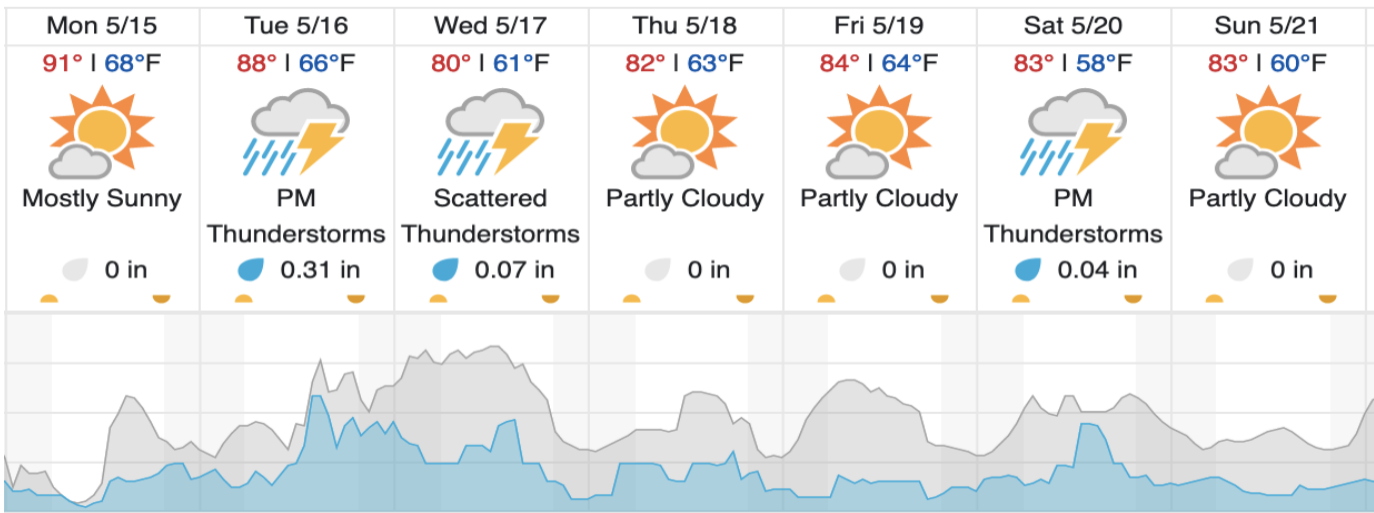
Flown: 100% (1/1)
 Green: 0% (0/1)
 Yellow: 100% (1/1)
 Red: 0% (0/1)

D08 | TALL (Talladega National Forest)

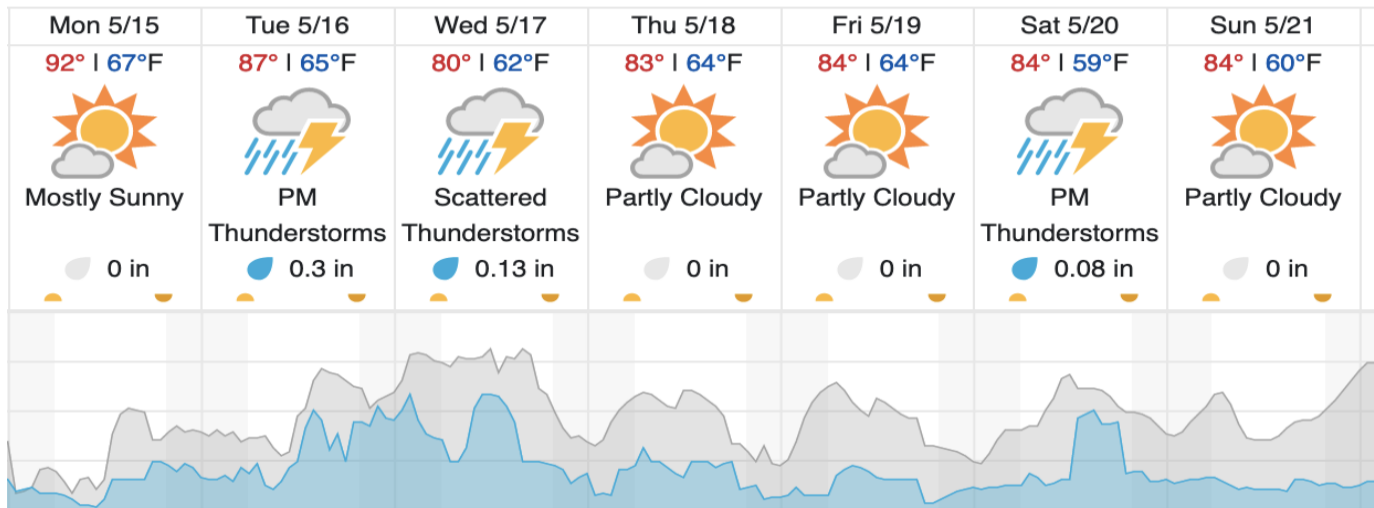
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26															

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

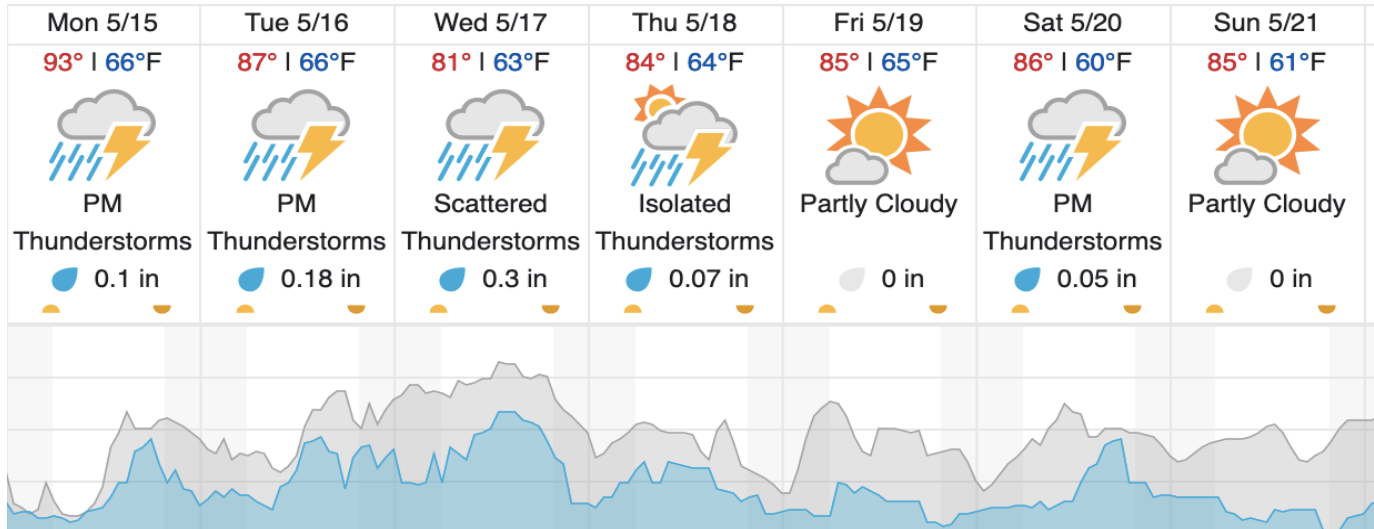
Weather Forecast
Moundville, AL (TALL)



Demopolis, AL (DELA)



Coffeeville, AL (LENO)



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for May 15, 2023

Flyority 1 (*Lines 2-4, 7-8, 11-26*)

Collection Area: Lenoir Landing (LENO)

Flight Plan Name: D08_LENO_R2_P1_v2_PRM.xml

On-Station Time: 1420 UTC/ 0920 L

Flyority 2

Collection Area: Talladega National Forest (TALL)

Flight Plan Name: D08_TALL_C1_P1_v2_PRM.xml

On-Station Time: 1420 UTC/ 0920 L

Flyority 3

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

Flight Plan Name: D08_DELA_R1_P1_P2_v2_PRM.xml

On-Station Time: 1420 UTC/ 0920 L

Flyority 4

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

Flight Plan Name: D08_DELA_R1_P1_P2_v2_PRM.xml

On-Station Time: 1420 UTC/ 0920 L

Flyority 5

Collection Area: Nominal Runway – D08 – OA8

Flight Plan Name: D08_N08A_Nominal_Runway_Test_v1_PRM.xml

On-Station Time: N/A

Crew: Cam (Lidar), Mitch (NIS)