



Payload 1 Daily Flight Report



Date: 2023-05-26

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 08 (Ozarks Complex)

Sites Flown: TALL (Talladega National Forest)

Days left in Domain: 3

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 03:19

Spectrometer Operators: Mitch

Hours until maintenance: 44.88

Pilots: Justin, Will

GPS Instruments: 06 - TALL, 07 - FBO_KEY

Summary

The haze diminished moderately from yesterday allowing the crew to collect the entire TALL flight box in hazy but green sky conditions.

Concerns

- None

Comments

- None

Daily Coverage

Estimated Cloud Cover Key

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

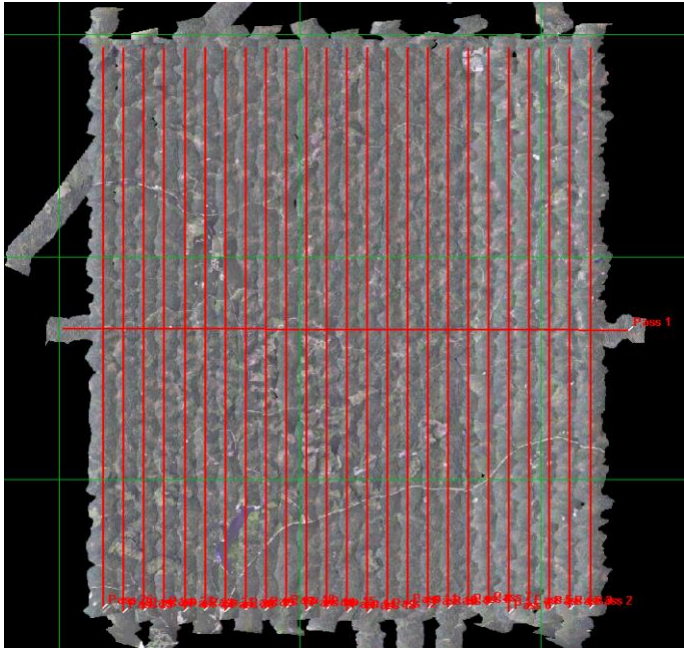
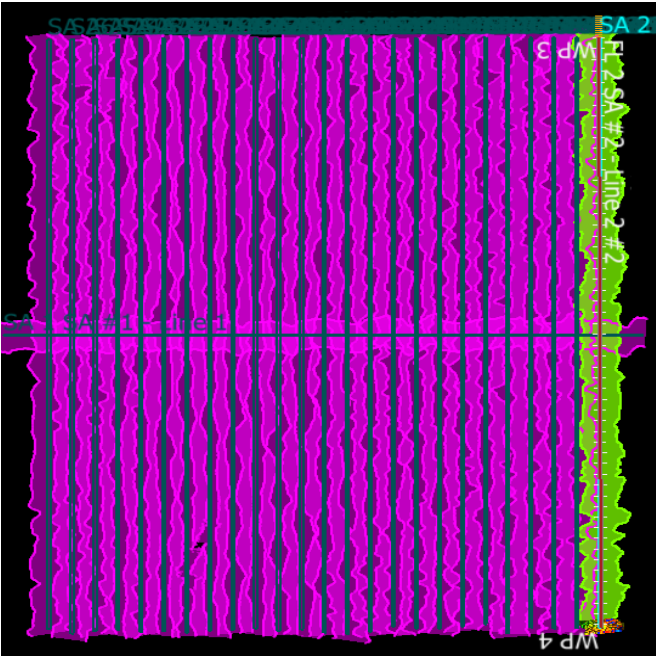
D08|TALL

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



Pictures



A hazy but cloudless day over the TALL flight box.

Cumulative Domain Coverage

D08|DELA_P1 (Dead Lake Priority 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: 32% (8/25)
Green: 0% (0/25)
Yellow: 0% (0/25)
Red: 32% (8/25)

D08 | DELA_P2 (Dead Lake Priority 2)

28	29	30	31	32	33	34	35
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Flown: 50% (4/8)

Green: 0% (0/8)

Yellow: 0% (0/8)

Red: 50% (4/8)

D08 | LENO (Lenoir Landing)

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: 64% (16/25)

Green: 64% (16/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

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)

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% (25/25)

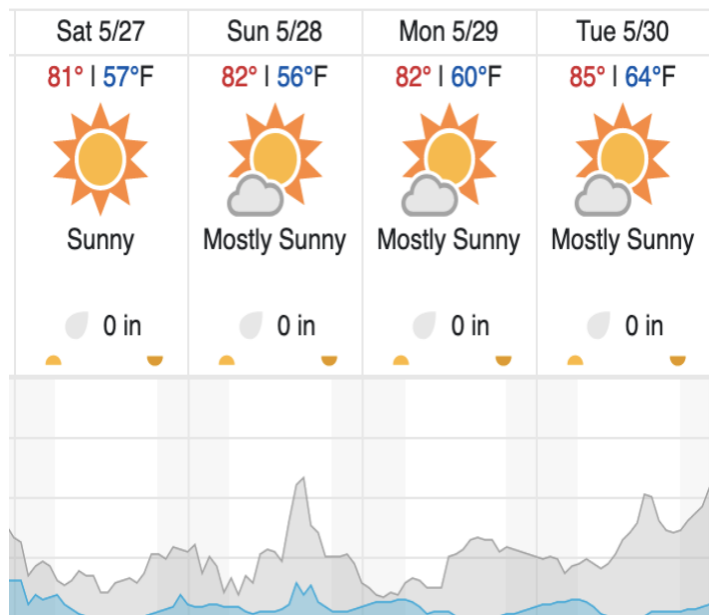
Green: 100% (25/25)

Yellow: 0% (0/25)

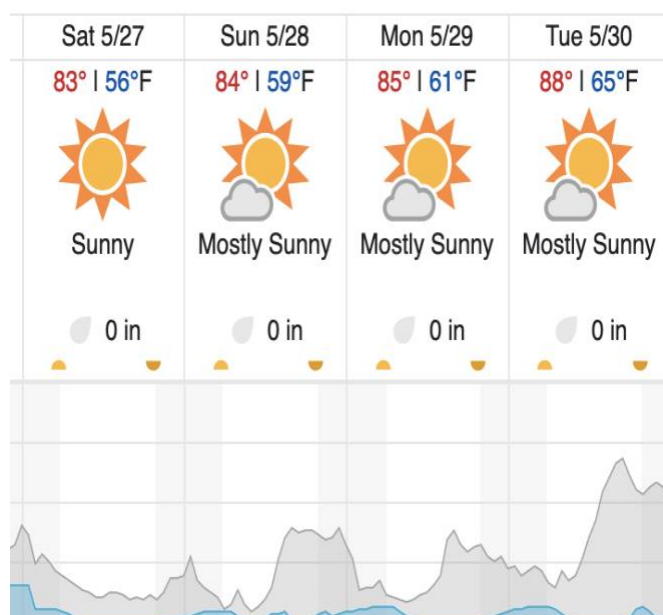
Red: 0% (0/25)

Weather Forecast

Demopolis, AL (DELA)



Coffeeville, AL (LENO)



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

Flight Collection Plan for May 27, 2023

Flyority 1 (*Lines 2-4, 20-26*)

Collection Area: Lenoir Landing (LENO)

Flight Plan Name: D08_LENO_R2_P1_v2_PRM.xml

On-Station Time: 1410 UTC/ 0910 L

Flyority 2

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

Flight Plan Name: D08_DELA_R1_P1_P2_v2_PRM.xml

On-Station Time: 1410 UTC/ 0910 L

Flyority 3

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

Flight Plan Name: D08_DELA_R1_P1_P2_v2_PRM.xml

On-Station Time: 1410 UTC/ 0910 L

Crew: Mitch (Lidar), Lidar (NIS)