Payload 1 Daily Flight Report

Date: 2023-05-26
Flight Campaign ID: P1C1
Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEKY) - 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 KEKY

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

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D08|TALL

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Total number of lines flown: 25
A hazy but cloudless day over the TALL flight box.

**Cumulative Domain Coverage**

**D08|DELA_P1 (Dead Lake Priority 1)**

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- Flown: 32% (8/25)
- Green: 0% (0/25)
- Yellow: 0% (0/25)
- Red: 32% (8/25)
### D08|DELA_P2 (Dead Lake Priority 2)

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- **Flown:** 50% (4/8)
- **Green:** 0% (0/8)
- **Yellow:** 0% (0/8)
- **Red:** 50% (4/8)

### D08|LENO (Lenoir Landing)

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</table>
- **Flown:** 64% (16/25)
- **Green:** 64% (16/25)
- **Yellow:** 0% (0/25)
- **Red:** 0% (0/25)

### D08|N08A (D08 Nominal Runway)

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

### D08|TALL (Talladega National Forest)

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</table>
- **Flown:** 100% (25/25)
- **Green:** 100% (25/25)
- **Yellow:** 0% (0/25)
- **Red:** 0% (0/25)

### Weather Forecast

#### Demopolis, AL (DELA)

- **Sat 5/27:** Sunny, 81° | 57°F
- **Sun 5/28:** Mostly Sunny, 82° | 56°F
- **Mon 5/29:** Mostly Sunny, 82° | 60°F
- **Tue 5/30:** Mostly Sunny, 85° | 64°F

#### Coffeeville, AL (LENO)

- **Sat 5/27:** Sunny, 83° | 56°F
- **Sun 5/28:** Mostly Sunny, 84° | 59°F
- **Mon 5/29:** Mostly Sunny, 85° | 61°F
- **Tue 5/30:** Mostly Sunny, 88° | 65°F

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.PR.M.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)