Payload 1 Daily Flight Report

Date: 2023-05-17
Flight Campaign ID: P1C1
Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEKY) - Bessemer, AL
Aircraft: N331AR

Domain: 08 (Ozarks Complex)
Sites Flown: None
Days left in Domain: 12

Report Author: Mitch
Lidar Operators: Mitch
Spectrometer Operators: Cameron
Pilots: Jeff, Eric

Flight Hours: 00:00
Hours until maintenance: 50.47

Summary
Rain and thunderstorms throughout the day prevented any flights from occurring.

Concerns
GPS 06 at TALL was found to have a disconnected cell antenna cable at the interior box connection.

Comments
Crew went out to TALL to swap in a fresh battery at our mobile GPS station and troubleshoot cell connectivity issues.

Pictures: Cam investigating our malfunctioning GPS at TALL (below).
**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: 65% (17/26)
Green: 65% (17/26)
Yellow: 0% (0/26)
Red: 0% (0/26)

**D08|N08A (D08 Nominal Runway)**

| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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)**

<table>
<thead>
<tr>
<th>Thu 5/18</th>
<th>Fri 5/19</th>
<th>Sat 5/20</th>
<th>Sun 5/21</th>
<th>Mon 5/22</th>
<th>Tue 5/23</th>
<th>Wed 5/24</th>
</tr>
</thead>
<tbody>
<tr>
<td>82°F I 64°F</td>
<td>83°F I 66°F</td>
<td>80°F I 60°F</td>
<td>83°F I 60°F</td>
<td>85°F I 62°F</td>
<td>83°F I 61°F</td>
<td>83°F I 61°F</td>
</tr>
<tr>
<td>Thunderstorms</td>
<td>AM Clouds/PM Sun</td>
<td>Thunderstorms</td>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>0.38 in</td>
<td>0.14 in</td>
<td>0.26 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

![Graph showing weather forecast data](image)
Flight Collection Plan for May 18, 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: 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_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

**Crew:** Cam (Lidar), Mitch (NIS)