### Payload 3 Daily Flight Report

**Date:** 2021-04-28  
**Flight Campaign ID:** P3C1  
**Airport, FBO ID, City:** Tuscaloosa Regional Airport (KTCL) - Tuscaloosa, AL  
**Aircraft:** N615AR  

**Domain:** 08 (Ozarks Complex)  
**Sites Flown:** None  
**Days left in Domain:** 11  

**Report Author:** Cameron Chapman  
**Lidar Operators:** Cameron Chapman  
**Spectrometer Operators:** Abe Morrison  
**Pilots:** Stephen Brawders, Vince Maarschalkerweerd  

**Flight Hours:** 00:00  
**Hours until maintenance:** 65.08  

### Summary
Overcast skies and low cumulus clouds across the region prevented any flight attempt today. The crew shifted focus and conducted D08 GPS validation point collection. We trudged through the rugged backwoods of the Talladega National forest and collected the remaining validation points.

### Concerns
None

### Comments
- Completed GPS validation points at TALL.
- GPS 09 was redeployed at the airport after a few repairs.
- The Twin Otter completed minor maintenance this morning.

### Pictures:
- Screenshot of TALL GPS validation Points
Driving through the rugged backwoods of TALL looking for open spaces for GPS Validation points
Cumulative Domain Coverage

D08 | DELA (Dead Lake)

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

D08 | LENO (Lenoir Landing)

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Flown: 62% (16/26)
Green: 54% (14/26)
Yellow: 8% (2/26)
Red: 0% (0/26)

D08 | TALL (Talladega National Forest)

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Flown: 100% (26/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 100% (26/26)

Weather Forecast

Tuscaloosa, AL (TALL)

<table>
<thead>
<tr>
<th>Thu 4/29</th>
<th>Fri 4/30</th>
<th>Sat 5/1</th>
<th>Sun 5/2</th>
<th>Mon 5/3</th>
<th>Tue 5/4</th>
<th>Wed 5/5</th>
</tr>
</thead>
<tbody>
<tr>
<td>87°F</td>
<td>80°F</td>
<td>84°F</td>
<td>84°F</td>
<td>84°F</td>
<td>84°F</td>
<td>80°F</td>
</tr>
<tr>
<td>Cloudy</td>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>Cloudy</td>
<td>Scattered</td>
<td>Scattered</td>
<td>Scattered</td>
</tr>
<tr>
<td>0.19 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.25 in</td>
<td>0.58 in</td>
<td>1.37 in</td>
<td>0.4 in</td>
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Demopolis, AL (DELA)

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<thead>
<tr>
<th>Thu 4/29</th>
<th>Fri 4/30</th>
<th>Sat 5/1</th>
<th>Sun 5/2</th>
<th>Mon 5/3</th>
<th>Tue 5/4</th>
<th>Wed 5/5</th>
</tr>
</thead>
<tbody>
<tr>
<td>88°F</td>
<td>78°F</td>
<td>83°F</td>
<td>86°F</td>
<td>84°F</td>
<td>88°F</td>
<td>82°F</td>
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<tr>
<td>AM Clouds/PM Sun</td>
<td>Isolated Thunderstorms</td>
<td>Scattered thunderstorms</td>
<td>Scattered thunderstorms</td>
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<td>Scattered thunderstorms</td>
<td>Scattered thunderstorms</td>
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<td>0.1 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.19 in</td>
<td>0.41 in</td>
<td>0.99 in</td>
<td>0.47 in</td>
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Flight Collection Plan for 29 April 2021

Flyority 1
Collection Area: Talladega National Forest (TALL)
Flight Plan Name: D08_TALL_C1_P1_v2_Q780
On-station Time: 1430 UTC / 0930 L

Flyority 2
Collection Area: Dead Lake (DELA) – Priority 1 Flight Box
Flight Plan Name: D08_DELA_R1_P1_v2_Q780
On-station Time: 1430 UTC / 0930 L

Flyority 3
Collection Area: Dead Lake (DELA) – Priority 2 Flight Box
Flight Plan Name: D08_DELA_R1_P2_v2_Q780
On-station Time: 1430 UTC / 0930 L

Flyority 4
Collection Area: Lenoir Landing (LENO)
Flight Plan Name: D08_LENO_R2_P1_v2_Q780
On-station Time: 1430 UTC / 0930 L

Flight Crew: Cam, Ab