Payload 3 Daily Flight Report

Date: 2021-04-25
Flight Campaign ID: P3C1
Airport, FBO ID, City: Tuscaloosa Regional Airport (KTCL) - Tuscaloosa, AL
Aircraft: N615AR

Domain: 08 (Ozarks Complex)
Sites Flown: DELA
Days left in Domain: 14

Report Author: Abe Morrison
Lidar Operators: Abe Morrison
Spectrometer Operators: Cameron Chapman
Pilots: Stephen Brawders, Vince Maarschalkerweerd
Flight Hours: 00:40
Hours until maintenance: 68.63

Summary
The crew had high hopes today with a good forecast in hand and seemingly clearing skies on the tower cams... But the hopes were dashed once the Otter arrived at the DELA site to find low cumulus clouds all around below the flight altitude. The crew consulted the tower cam at the TALL site during the flight and saw the same conditions there. After landing the conditions were monitored for any clearing and no acceptable collecting conditions materialized before the end of solar angle window. No collections were made.

Concerns
- GPS 3 (LENO) is unresponsive, The crew will have to physically check the unit. A trip Down to LENO for this looks possible on Tuesday.
- The database continues to not generate the daily report. A service now ticket will be generated.

Comments
- The replacement solar panel for GPS 9 (FBO) was installed today.

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots
- None

Pictures
- None
Cumulative Domain Coverage

**D08|DELA (Dead Lake)**

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<tr>
<td>Flown:</td>
<td>0% (0/26)</td>
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**D08|LENO (Lenoir Landing)**

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<tbody>
<tr>
<td>Flown:</td>
<td>62% (16/26)</td>
<td>54% (14/26)</td>
<td>8% (2/26)</td>
<td>0% (0/26)</td>
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**D08|TALL (Talladega National Forest)**

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<tr>
<td>Flown:</td>
<td>0% (0/26)</td>
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Weather Forecast

**Tuscaloosa, AL (TALL)**

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<thead>
<tr>
<th></th>
<th>Mon 4/26</th>
<th>Tue 4/27</th>
<th>Wed 4/28</th>
<th>Thu 4/29</th>
<th>Fri 4/30</th>
<th>Sat 5/1</th>
<th>Sun 5/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>83°</td>
<td>86°</td>
<td>86°</td>
<td>87°</td>
<td>76°</td>
<td>79°</td>
<td>78°</td>
</tr>
<tr>
<td>Cond</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Cloudy</td>
<td>Scattered Thunderstorms</td>
<td>Partly Cloudy</td>
<td>PM Showers</td>
</tr>
<tr>
<td>Precip</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.28 in</td>
<td>0.18 in</td>
<td>0 in</td>
<td>0.06 in</td>
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**Demopolis, AL (DELA)**

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<th>Mon 4/26</th>
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<th>Thu 4/29</th>
<th>Fri 4/30</th>
<th>Sat 5/1</th>
<th>Sun 5/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>82°</td>
<td>87°</td>
<td>88°</td>
<td>88°</td>
<td>76°</td>
<td>75°</td>
<td>78°</td>
</tr>
<tr>
<td>Cond</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>AM Clouds/PM Sun</td>
<td>Cloudy</td>
<td>Scattered Thunderstorms</td>
<td>Partly Cloudy</td>
<td>PM Showers</td>
</tr>
<tr>
<td>Precip</td>
<td>0 in</td>
<td>0 in</td>
<td>0.23 in</td>
<td>0.22 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.19 in</td>
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Flight Collection Plan for 26 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: Abe, Cam