Payload 3 Daily Flight Report

Date: 2021-04-20
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: 19

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

Flight Hours: 00:00
Hours until maintenance: 72.85

Summary
The crew spent the day driving to all D08 sites and deploying GPS units in preparation for flights. A huge thanks to domain manager David Mitchell for getting us access to the new Lenoir landing GPS site!

Concerns
- GPS 9 is experiencing modem connectivity issues. More troubleshooting will occur on the coming days
- One of the solar panel may require a wire rework. The unit was not producing any power.

Comments
- RAID 01 & 03 were shipped to the Denver data center yesterday
- RAID 02 will be reshipped tomorrow
- All D08 GPS units have been deployed
- GPS 09 is deployed at the FBO so crew can closely monitor.

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots
None
TOP: LENO GPS
Bottom: TALL GPS

TOP: DELA GPS
Bottom: FBO GPS
Cumulative Domain Coverage

D08|DELA (Dead Lake)

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

D08|LENO (Lenoir Landing)

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

D08|N08A (D08 Nominal Runway)

Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

D08|TALL (Talladega National Forest)

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

Weather Forecast

Tuscaloosa, AL (TALL)

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<tbody>
<tr>
<td>Temp</td>
<td>63°</td>
<td>39°F</td>
<td>69°</td>
<td>46°F</td>
<td>70°</td>
<td>56°F</td>
<td>76°</td>
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<tr>
<td>Cond</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Cloudy</td>
<td>Thundershowers</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Partly Cloudy</td>
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<tr>
<td>Precp</td>
<td>0 in</td>
<td>0 in</td>
<td>1.52 in</td>
<td>0.35 in</td>
<td>0 in</td>
<td>0 in</td>
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source: wunderground.com
Flight Collection Plan for 21 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, Abe