Date: 2021-04-22
Flight Campaign ID: P3C1
Airport, FBO ID, City: Tuscaloosa Regional Airport (KTCL) - Tuscaloosa, AL
Aircraft: N615AR

Domain: 08 (Ozarks Complex)
Sites Flown: LENO (Lenoir Landing)
Days left in Domain: 17

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Abe Morrison
Pilots: Stephen Brawders, Vince Maarschalkerweerd
Flight Hours: 03:33
Hours until maintenance: 69.30
GPS Instruments: 03 - LENO, 09 - FBO_KTCL

Summary
The crew had to resolve a few technical issues prior to flights this morning. A big thanks to Mitch, John M and Ian for assisting with troubleshooting and resolving the issue. With clouds building to the north, the crew initially went down to DELA as the tower camera showed a high potential for a green collect. Upon arriving at DELA, a layer of cirrus and a lower layer of cumulus were lingering over the site. We then moved down to LENO and were greeted by clear skies. We collected 19 lines over LENO before the cloud conditions became unfavorable.

Concerns
None

Comments
- Crew completed all LENO priority lines.
- Continued coordination with D08 staff for coincidence flights.
- Crew will likely start GPS validation points at TALL tomorrow if it’s too cloudy for flight data collection.

Daily Coverage

Estimated Cloud Cover Key

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

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Flight Screenshots

LIDAR

NIS

Pictures

Clouds looming above DELA
Top: Clear skies over LENO for much of today’s flight!
Bottom: The LENO tower can be spotted if you look closely!
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: 73% (19/26)
Green: 65% (17/26)
Yellow: 8% (2/26)
Red: 0% (0/26)

D08 | TALL (Talladega National Forest)

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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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<td>57°F</td>
<td>79°</td>
<td>54°F</td>
<td>77°</td>
<td>51°F</td>
<td>83°</td>
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<tr>
<td>Cloudy</td>
<td>Thunderstorms</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Showers</td>
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source: wunderground.com
Flight Collection Plan for 22 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