Payload 3 Daily Flight Report

Date: 2024-05-27
Flight Campaign ID: P3C1
Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEKY) - Bessemer, AL
Aircraft: N821AR

Domain: 08 (Ozarks Complex)
Sites Flown: None
Days left in Domain: 6

Report Author: Mike
Lidar Operators: Mike
Spectrometer Operators: Elissa
Pilots: Jacob, Justin

Flight Hours: 00:00
Hours until maintenance: 63.67

Summary
Thunderstorms this morning were followed by heavy cloud cover for the rest of the day. No flights were conducted.

Concerns
None.

Comments
Happy Memorial Day.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

| Line # |

D08|DELA (Dead Lake)

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Flown: 40% (14/35)
Green: 14% (5/35)
Yellow: 26% (9/35)
Red: 0% (0/35)

D08|LENO (Lenoir Landing)

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</table>

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

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</table>

| Flown: 50% (13/26)  
Green: 0% (0/26)  
Yellow: 38% (10/26)  
Red: 12% (3/26)|

**Weather Forecast**

**Demopolis, AL (DELA)**

<table>
<thead>
<tr>
<th>Tue 5/28</th>
<th>Wed 5/29</th>
<th>Thu 5/30</th>
<th>Fri 5/31</th>
<th>Sat 6/1</th>
<th>Sun 6/2</th>
<th>Mon 6/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>93°F</td>
<td>64°F</td>
<td>87°F</td>
<td>66°F</td>
<td>89°F</td>
<td>69°F</td>
<td>83°F</td>
</tr>
</tbody>
</table>

- Mostly Sunny  
- PM Showers  
- AM Showers  
- Partly Cloudy  
- Scattered  
- Scattered  
- AM  

| 0 in | 0.07 in | 0.01 in | 0.05 in | 0.73 in | 0.21 in | 0.05 in |

**Moundville, AL (TALL)**

<table>
<thead>
<tr>
<th>Tue 5/28</th>
<th>Wed 5/29</th>
<th>Thu 5/30</th>
<th>Fri 5/31</th>
<th>Sat 6/1</th>
<th>Sun 6/2</th>
<th>Mon 6/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>91°F</td>
<td>64°F</td>
<td>85°F</td>
<td>65°F</td>
<td>88°F</td>
<td>69°F</td>
<td>81°F</td>
</tr>
</tbody>
</table>

- Mostly Sunny  
- Mostly Cloudy  
- Partly Cloudy  
- Partly Cloudy  
- Scattered  
- Scattered  
- Scattered  

| 0 in | 0.1 in | 0 in | 0.08 in | 0.61 in | 0.28 in | 0.14 in |
Coffeeville, AL (LENO)

<table>
<thead>
<tr>
<th></th>
<th>Tue 5/28</th>
<th>Wed 5/29</th>
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<th>Fri 5/31</th>
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<th>Mon 6/3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>95°</td>
<td>65°F</td>
<td>89°</td>
<td>67°F</td>
<td>87°</td>
<td>67°F</td>
<td>90°</td>
</tr>
<tr>
<td>Cloud Cover (%)</td>
<td>Mostly Sunny</td>
<td>PM Showers</td>
<td>Scattered</td>
<td>Thunderstorms</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>Scattered</td>
</tr>
<tr>
<td>Chance of Precip. (%)</td>
<td>0 in</td>
<td>0.23 in</td>
<td>0.08 in</td>
<td>0.06 in</td>
<td>1.02 in</td>
<td>0.94 in</td>
<td>0.07 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for 28 May 2024

Flyority 1
Collection Area: Dead Lake (DELA) – Priority 1 Flight Box
Flight Plan Name: D08_DELA_R1_P1_v2_Q780
On-Station Time: 1410 UTC/ 0910 L

Flyority 2
Collection Area: Talladega National Forest (TALL)
Flight Plan Name: D08_TALL_C1_P1_v2_Q780
On-Station Time: 1410 UTC/ 0910 L

Flyority 3
Collection Area: Lenoir Landing (LENO) – *if green*
Flight Plan Name: D08_LENO_R2_P1_v2_Q780
On-Station Time: 1410 UTC/ 0910 L

Flyority 4
Collection Area: Dead Lake (DELA) – Priority 2 Flight Box – *if green*
Flight Plan Name: D08_DELA_R1_P2_v2_Q780
On-Station Time: 1410 UTC/ 0910 L

Flyority 5
Collection Area: Jones Ecological Research Center (JERC) P1 – *if green*
Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml
On-Station Time: 1410 UTC/ 0910 L

Crew: Elissa (Lidar), Mike (NIS)