Payload 1 Daily Flight Report

Date: 2024-05-26
Flight Campaign ID: P1C1
Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX
Aircraft: N615AR

Domain: 11 (Southern Plains)
Sites Flown: None
Days left in Domain: 4

Report Author: John
Lidar Operators: John
Spectrometer Operators: Abe
Pilots: Jeff, Manning

Flight Hours: 00:00
Hours until maintenance: 85.68

Summary
The NIS needed to be cooled down after a power outage; no flights were conducted today.
We re-cabled the lidar to the UPS.

Concerns
None beyond the known intermittent activity of the NIS during data collections.

Comments
The pilots swapped out Jeff for Vince, who we will see again soon in Fresno.

Cumulative Domain Coverage

D11|BLUE (Blue River aquatic site)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
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Flown: 0% (0/15)
Green: 0% (0/15)
Yellow: 0% (0/15)
Red: 0% (0/15)

D11|CLBJ (LBJ National Grassland)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 21| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

Flown: 93% (27/29)
Green: 34% (10/29)
Yellow: 59% (17/29)
Red: 0% (0/29)
D11 | OAES (Klemme Range Research Station)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |   |   |   |   |

Flown: 56% (20/36)
Green: 56% (20/36)
Yellow: 0% (0/36)
Red: 0% (0/36)

D11 | PRIN (Pringle Creek)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 |

Flown: 65% (17/26)
Green: 65% (17/26)
Yellow: 0% (0/26)
Red: 0% (0/26)

Weather Forecast

Alvord, TX (PRIN)

<table>
<thead>
<tr>
<th>Mon 5/27</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>92°</td>
<td>67°F</td>
<td>84°</td>
<td>66°F</td>
<td>82°</td>
<td>69°F</td>
<td>81°</td>
</tr>
</tbody>
</table>

- Sunny
- Scattered
- Thunderstorms

<table>
<thead>
<tr>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.13 in</td>
<td>1.04 in</td>
</tr>
<tr>
<td>0.17 in</td>
<td>0.49 in</td>
</tr>
<tr>
<td>0.08 in</td>
<td></td>
</tr>
</tbody>
</table>

Clinton, OK (OAES)

<table>
<thead>
<tr>
<th>Mon 5/27</th>
<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>
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</tr>
</thead>
<tbody>
<tr>
<td>92°</td>
<td>65°F</td>
<td>81°</td>
<td>61°F</td>
<td>81°</td>
<td>65°F</td>
<td>81°</td>
</tr>
</tbody>
</table>

- Sunny
- AM
- Scattered
- Isolated

<table>
<thead>
<tr>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 in</td>
<td>0.48 in</td>
</tr>
<tr>
<td>0.15 in</td>
<td>0.47 in</td>
</tr>
<tr>
<td>0.03 in</td>
<td>0.04 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flyority 1
Collection Area: LBJ Grasslands (CLBJ)
Flight Plan Name: D11_CLBJ_C1_P1_v4_PRM.xml
On-Station Time: (40 degrees): 1500-2200Z

Flyority 2
Collection Area: Klemme Range Research Station (OAES)
Flight Plan Name: D11_OAES_R1_P1_v4_PRM.xml
On-Station Time: (35 degrees): 1440-2230Z

Flyority 3
Collection Area: Pringle Creek (PRIN)
Flight Plan Name: D11_PRIN_A1_P1_v5_PRM.xml
On-Station Time: (40 degrees): 1450-21500Z

Flyority 4
Collection Area: Blue River (BLUE)
Flight Plan Name: D11_BLUE_A2_P1_V4_PRM.xml
On-Station Time: (40 degrees): 1500-2200Z

Flight Crew: Abe (Lidar), John (NIS)