Payload 3 Daily Flight Report

Date: 2021-06-23  
Flight Campaign ID: P3C1  
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: 7

Report Author: Elissa Barris  
Lidar Operators: Elissa Barris  
Spectrometer Operators: Abe Morrison  
Pilots: Will Mathews, Stephen Brawders

Flight Hours: 00:00  
Hours until maintenance: 67.97

Summary
Low clouds this morning persisted into the afternoon and both sites. No flights were conducted.

Concerns
None.

Comments
After a two day reprieve, very hot temperatures have returned. We installed the second air conditioning unit in the plane today, but since ambient temperature still exceeds the units’ operating thresholds they are only intermittently working. Cabin temps are warm, but being monitored.

Cumulative Domain Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green</th>
<th>Yellow</th>
<th>Red</th>
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<tbody>
<tr>
<td>0-10%</td>
<td>11-50%</td>
<td>&gt;50%</td>
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D11 | BLUE (Blue River aquatic site)  
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
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 |
Flown: 69% (20/29)  
Green: 69% (20/29)  
Yellow: 0% (0/29)  
Red: 0% (0/29)
D11|OAES (Klemme Range Research Station)

Flown: 78% (28/36)
Green: 0% (0/36)
Yellow: 0% (0/36)
Red: 78% (28/36)

D11|PRIN (Pringle Creek)

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

Weather Forecast

Wichita Falls, TX (KSBS)

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<tbody>
<tr>
<td>100°</td>
<td>77°F</td>
<td>99°</td>
<td>76°F</td>
<td>85°</td>
<td>70°F</td>
<td>85°</td>
</tr>
<tr>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Scattered</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.34 in</td>
<td>0.38 in</td>
<td>0.25 in</td>
<td>0.07 in</td>
<td>0.05 in</td>
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Alvord, TX (CLBJ)

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<tbody>
<tr>
<td>96°</td>
<td>76°F</td>
<td>95°</td>
<td>75°F</td>
<td>87°</td>
<td>72°F</td>
<td>87°</td>
</tr>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Scattered</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.09 in</td>
<td>0.33 in</td>
<td>0.24 in</td>
<td>0.19 in</td>
<td>0.17 in</td>
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Flight Collection Plan for 24 June 2021

Flyority 1
Collection Area: LBJ Grasslands (CLBJ)
Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780
On-station Time: 14:50 UTC / 09:50 L

Flyority 2
Collection Area: Klemme Range Research Station (OAES)
Flight Plan Name: D11_OAES_R1_P1_v3_Q780
On-station Time: 14:30 UTC / 09:30 L

Flyority 3
Collection Area: Pringle Creek (PRIN)
Flight Plan Name: D11_PRIN_A1_P1_v4_Q780
On-station Time: 14:50 UTC / 09:50 L

Flyority 3
Collection Area: Blue River (BLUE)
Flight Plan Name: D11_BLUE_A2_P1_v3_Q780
On-station Time: 14:50 UTC / 09:50 L

Crew: Abe, Elissa