Payload 1 Daily Flight Report

Date: 2024-05-19  
Flight Campaign ID: P1C1  
Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX  
Aircraft: N615AR

Domain: 11 (Southern Plains)  
Sites Flown: PRIN (Pringle Creek)  
Days left in Domain: 11

Report Author: Abe  
Lidar Operators: Abe  
Spectrometer Operators: John  
Pilots: Manning, Vince  
Flight Hours: 03:20  
Hours until maintenance: 95.52  
GPS Instruments: 05 - FBO-KSPS, TXDOT-TXDC

Summary
The crew took off this morning with the intent of collecting only spectrometer data at the CLBJ site on the lines that had been previously corrupted. Unfortunately, the sky condition was not green when we arrived on site so focus was shifted to the Pringle Creek site. 19 lines were collected in green conditions until the framegrabber error reached out and grabbed us. After multiple attempts the NIS system was unable to be restarted so the crew called it a day.

Concerns
-The Framegrabber, HIS timestamp, and OBC errors continue to plague P1. Tomorrows flight will focus on collecting NIS data only without the firing of the Lidar to see if this has any effect on the problems.

Comments
Pilot Jeff departed yesterday and was replaced by Manning. See you soon Jeff!

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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<table>
<thead>
<tr>
<th>Line #</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<th>17</th>
<th>18</th>
<th>19</th>
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<tbody>
<tr>
<td>Lidar</td>
<td>✓</td>
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<td>Spectrometer</td>
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<td>Cloud Cover</td>
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Total number of lines flown: 19
Flight Screenshots

Lidar

NIS screenshot unavailable

Cumulative Domain Coverage

D11|BLUE (Blue River aquatic site)

Flown: 0% (0/15)
Green: 0% (0/15)
Yellow: 0% (0/15)
Red: 0% (0/15)

D11|CLBJ (LBJ National Grassland)

Flown: 38% (11/29)
Green: 38% (11/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

D11|OAES (Klemme Range Research Station)

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

D11|PRIN (Pringle Creek)

Flown: 73% (19/26)
Green: 73% (19/26)
Yellow: 0% (0/26)
Red: 0% (0/26)
Weather Forecast
Alvord, TX (PRIN)

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<tbody>
<tr>
<td>Temp</td>
<td>90°</td>
<td>89°</td>
<td>78°</td>
<td>75°</td>
<td>91°</td>
<td>90°</td>
<td>90°</td>
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<tr>
<td>Humid</td>
<td>73°F</td>
<td>73°F</td>
<td>68°F</td>
<td>69°F</td>
<td>71°F</td>
<td>74°F</td>
<td>71°F</td>
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<tr>
<td>Cond</td>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>Partly Cloudy</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>Precip.</td>
<td>0 in</td>
<td>0 in</td>
<td>0.56 in</td>
<td>0.48 in</td>
<td>0 in</td>
<td>0.07 in</td>
<td>0 in</td>
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source: wunderground.com

Flight Collection Plan for 20 May 2024

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

Flyority 4
Collection Area: Pringle Creek (PRIN)
Flight Plan Name: D11_PRIN_A1_P1_v5_PRM.xml
On-Station Time: (40 degrees): 1450-2150Z

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