Date: 2024-05-21
Flight Campaign ID: P1C1
Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX
Aircraft: N615AR

Domain: 11 (Southern Plains)
Sites Flown: OAES (Klemme Range Research Station)
Days left in Domain: 9

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

Flight Hours: 01:57
Hours until maintenance: 89.75

Summary
Today was a very full day for the crew. It started off with coordinating with TOIL maintenance staff that arrived to repair the reoccurrence of the hydraulic pressure issue. The crew also received the replacement UPS 3000 and used the aircraft down time to swap these UPSs. With the aircraft fixed, a new UPS, and the potential of “green” collections at the OAES site, the crew took to the air. The now standard framegrabber/HSI timestamp error did pop up just after takeoff which required multiple DCC reboots to fix the issue. On arrival at the site, the sky conditions were “yellow” so only 4 lines and a crosstrip were collected before RTB. Just after the crosstrip was collected there was another set of FG/HSI TS errors.

Concerns
- Framegrabber/HSI timestamp errors continue to occur regularly.

Comments
None

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
</tr>
</thead>
</table>

D11|OAES

<table>
<thead>
<tr>
<th>Line #</th>
<th>1</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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</thead>
<tbody>
<tr>
<td>Lidar</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Spectrometer</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Camera</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Cloud Cover</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>

Total number of lines flown: 5
Flight Screenshots
Lidar

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: 100% (29/29)
Green: 100% (29/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

D11|OAES (Klemme Range Research Station)

Flown: 14% (5/36)
Green: 0% (0/36)
Yellow: 14% (5/36)
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)

Clinton, OK (OAES)

Ada, OK (BLUE)

Flight Collection Plan for 22 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

source: wunderground.com
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): 1450-21500Z

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