April 20, 2018 Payload 3 Daily Flight Report

Date: 2018-04-20
Flight Campaign ID: 2018_P3C1
Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX

Domain: 11
Sites Flown: None
Days left in Domain: 5

Report Author: Ivana Vu
Flight Crew: Ivana Vu, Mitch Haynes
Ground/GPS: Michael Wussow
Pilots: Mike Francis, Paul Muth
Additional Personnel: None
GPS Instruments: None

Flight Hours: 00:00
Hours until maintenance: 72.25

Summary
By the time aircraft was towed out of the hangar and prepared for flight, clouds had started to move in over the CLBJ site. With potential clear days still in the forecast, flight crew decided to wait for the opportunity to collect green data. A Hg Lamp Test was completed and several NEON domain staff stopped by for an AOP tour.

Concerns
High winds had created difficult flying conditions this past Wednesday and a QAQC coverage check from Flight 2018041814 shows that there are many spectrometer data gaps. Data Processing Team has requested we re-fly several lines if budgeted engine hours remain and if it does not affect coverage at other sites. An ad-hoc flight plan may be created to maximize efficiency of the re-fly.

Comments
- D11 Hg Lamp Test completed
- D11 domain staff visited for an AOP tour
Flight Screenshots
N/A

Pictures
Thanks to the D11 staff who were able to visit the hangar on their way back to Denton!

Daily Coverage
N/A

Cumulative Domain Coverage

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<thead>
<tr>
<th>CLBJ</th>
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Flown: 0% (0/29)  
Green: 0% (0/29)  
Yellow: 0% (0/29)  
Red: 0% (0/29)

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Flown: 100% (36/36)  
Green: 78% (28/36)  
Yellow: 0% (0/36)  
Red: 25% (9/36)
Flight Collection Plan for 21 April 2018

Flyority 1:
Collection Area: Lyndon B. Johnson National Grasslands (CLBJ)
Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780
On Station: 1030 L / 1530 UTC

Flyority 2:
Collection Area: Klemme Range Research Station (OAES), lines 29-36
Flight Plan Name: D11_OAES_R1_P1_v3_Q780
Lines: If Green, re-fly lines 29-36
On Station: 1050 L / 1530 UTC

Crew: Mitch Haynes (Lidar), Ivana Vu (NIS), Michael Wussow (Ground/GPS)

Flight Collection Plan for 22 April 2018

Flyority 1:
Collection Area: Lyndon B. Johnson National Grasslands (CLBJ)
Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780
On Station: 1020 L / 1520 UTC

Flyority 2:
Collection Area: Klemme Range Research Station (OAES), lines 29-36
Flight Plan Name: D11_OAES_R1_P1_v3_Q780
Lines: If Green, re-fly lines 29-36
On Station: 1050 L / 1530 UTC

Crew: Ivana Vu (Lidar), Mitch Haynes (NIS), Michael Wussow (Ground/GPS)

New Issues

<table>
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<tr>
<th>Fault</th>
<th>Open Date</th>
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<tbody>
<tr>
<td>Telemetry</td>
<td>4/20/2018</td>
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Unable to connect to Telemetry laptop via Chrome Remote Desktop even though laptop has internet access, Verizon cell coverage inside hangar is good and all other Telemetry readings/notifications are working. Error message when trying to remote in: "Unable to reach the host. This is probably due to the configuration of the network you are using."