Payload 3 Daily Flight Report

Date: 2023-05-08
Flight Campaign ID: P3C1
Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX, Weatherford Stafford Airport (KOJA) - Weatherford, OK
Aircraft: N934MU

Domain: 11 (Southern Plains)
Sites Flown: OAES (Klemme Range Research Station)
Days left in Domain: 12

Report Author: Abe
Lidar Operators: Abe
Spectrometer Operators: Matt
Pilots: Paul, Vince

Flight Hours: 03:32:00, 02:49:00, 00:51:00
Hours until maintenance: 77.60
GPS Instruments: 02 - KSPS, AOP_OAES

Summary
The forecast of a clear day at the OAES site did not disappoint. With completely clear skies and some haze around, the crew collected the entire site in “green” sky conditions. 35 lines and a cross strip were collected. Two fuel stops were necessary to complete the mission that included a 40 minute transit each way to the site from Wichita Falls. During the second fuel stop, after all lines were completed, the crew came across a group of about 15 local high school students in an aviation program at the FBO. An impromptu tour of the otter was conducted for the students and teachers on the ramp while the plane was being refueled. It was a good end to a very long day.

Concerns
-The replacement air conditioner did not arrive today, but it looks to be arriving tomorrow morning. Just in time for the cool down and rain...

Comments
-Pilot Shane arrived today and will replace Vince tomorrow or Wednesday.

Pictures

Weatherford Schools Aviation program touring the Otter at the Weatherford airport. Pic by Abe
Daily Coverage

Estimated Cloud Cover Key

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<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
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D11|OAES

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Total number of lines flown: 36

Flight Screenshots

Lidar

NIS

Cumulative Domain Coverage

D11|BLUE (Blue River aquatic site)

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D11|CLBJ (LBJ National Grassland)

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D11|OAES (Klemme Range Research Station)

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D11|PRIN (Pringle Creek)

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Weather Forecast
Alvord, TX (CLBJ, PRIN)

Stonewall, OK (BLUE)

source: wunderground.com
Flight Collection Plan for May 9, 2023

**Flyority 1**
Collection Area: LBJ Grasslands (CLBJ)
Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780
On-Station Time: 15:00 UTC/ 10:00 L

**Flyority 2**
Collection Area: Pringle Creek (PRIN)
Flight Plan Name: D11_PRIN_A1_P1_v4_Q780
On-Station Time: 15:00 UTC/ 10:00 L

**Flyority 3**
Collection Area: Blue River (BLUE)
Flight Plan Name: D11_BLUE_A2_P1_v3_Q780
On-Station Time: 15:00 UTC/ 10:00 L

Crew: Matt (lidar), Abe (NIS)