Payload 3 Daily Flight Report

Date: 2024-06-15
Flight Campaign ID: P3C1
Airport, FBO ID, City: Topeka, KS (KFOE), Cedar Rapids, IA (KCID), Wausau, WI (KAUW)
Aircraft: N821AR

Domain: 05 (Transit)
Sites Flown: Transit
Days left in Domain: 30

Report Author: John
Lidar Operators: John
Spectrometer Operators: n/a
Pilots: Jacob, Justin

Flight Hours: 02:02, 01:26
Hours until maintenance: 38.60

Summary
Completed two-leg transit to Wausau, WI and began to cool down the spectrometer.

Concerns
None.

Comments
None.

Weather Forecast

Boulder Junction, WI (UNDE, LIRO)

<table>
<thead>
<tr>
<th>Day</th>
<th>AM</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun 6/16</td>
<td>Thundershowers</td>
<td>79°F</td>
</tr>
<tr>
<td>Mon 6/17</td>
<td>Thunderstorms</td>
<td>72°F</td>
</tr>
<tr>
<td>Tue 6/18</td>
<td>Partly Cloudy</td>
<td>86°F</td>
</tr>
<tr>
<td>Wed 6/19</td>
<td>Showers</td>
<td>74°F</td>
</tr>
<tr>
<td>Thu 6/20</td>
<td>Showers</td>
<td>71°F</td>
</tr>
<tr>
<td>Fri 6/21</td>
<td>Scattered</td>
<td>73°F</td>
</tr>
<tr>
<td>Sat 6/22</td>
<td>Scattered</td>
<td>73°F</td>
</tr>
</tbody>
</table>

- AM: Thundershowers 0.9 in, 0.75 in, 0.32 in
- PM: 0.25 in, 0.49 in, 0.83 in, 0.7 in
Flight Collection Plan for 16, 17 June 2024
Pump down and cool NIS for data collection in D05; expected first day of collection to be June 18th. Install new GPS station at the FBO.

Flight Collection Plan for 18 June 2024
Flyority 1
Collection Area: UNDERC (UNDE)
Flight Plan Name: D05_UNDE_C1_P1_v2_PRM.xml
On-station Time: 1420 UTC / 0920 L

Flyority 2
Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE)
Flight Plan Name: D5_STEI_TREE_R1_P1_P2_v3_PRM.xml
On-station Time: 1420 UTC / 0920 L

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