July 23, 2019 Payload 3 Daily Flight Report

Date: 2019-07-23
Flight Campaign ID: 2019_P3C1
Airport, FBO ID, City: Bismarck Municipal Airport (KBIS) - Bismarck, ND

Domain: 09
Sites Flown: None
Days left in Domain: 8

Report Author: Elissa Barris
Flight Crew: Cameron Chapman, Elissa Barris
Flight Hours: 00:00
Ground/GPS: None
Hours until maintenance: 90.48
Pilots: Dylan Malfatti, Paul Nunemann
Additional Personnel: None
GPS Instruments: None

Summary
Sparse cirrus this morning worsened to >50% cirrus, stratus, and cumulus by the beginning of our solar window. No flights were attempted. We continued working through data extraction issues, successfully extracting data from yesterday’s flight, and re-ran data QA/QC.

Concerns - None

Comments
Elissa Barris rotating out tomorrow morning; Nick Marusich rotating in tomorrow afternoon.

Pictures - None

Daily Coverage - None

Cumulative Domain Coverage

**NOGP**

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<tbody>
<tr>
<td>Flown:</td>
<td>50% (13/26)</td>
<td>46% (12/26)</td>
<td>4% (1/26)</td>
<td>0% (0/26)</td>
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**WOOD_DCFS**

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<tbody>
<tr>
<td>Flown:</td>
<td>6% (3/54)</td>
<td>2% (1/54)</td>
<td>4% (2/54)</td>
<td>0% (0/54)</td>
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Weather Forecast

Mandan, ND

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<tr>
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<th>Wed 7/24</th>
<th>Thu 7/25</th>
<th>Fri 7/26</th>
<th>Sat 7/27</th>
<th>Sun 7/28</th>
<th>Mon 7/29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>86°</td>
<td>88°</td>
<td>88°</td>
<td>86°</td>
<td>84°</td>
<td>79°</td>
</tr>
<tr>
<td>Condition</td>
<td>Mostly Cloudy</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Cloudy</td>
<td>Mostly Sunny</td>
<td>Sunny</td>
</tr>
<tr>
<td>Precipitation</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.08 in</td>
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Woodworth, ND

<table>
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<tr>
<th></th>
<th>Wed 7/24</th>
<th>Thu 7/25</th>
<th>Fri 7/26</th>
<th>Sat 7/27</th>
<th>Sun 7/28</th>
<th>Mon 7/29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>84°</td>
<td>84°</td>
<td>85°</td>
<td>83°</td>
<td>82°</td>
<td>74°</td>
</tr>
<tr>
<td>Condition</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Sunny</td>
<td>Isolated Thunderstorms</td>
<td>Partly Cloudy</td>
<td>Sunny</td>
</tr>
<tr>
<td>Precipitation</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.04 in</td>
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</tbody>
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Flight Collection Plan for 24 July 2019

No scheduled flight activity- Down day- Crew rotation
Crew: Elissa Barris out, Nick Marusich in

Flight Collection Plan for 25 July 2019

Flyority 1:
Collection Area: Woodworth (WOOD) – Dakota Coteau Field School (DCFS)
Flight Plan Name: D09_WOOD_DCFS_C1_P1_v4_Q780
On-station Time: 1520 / 1020L

Flyority 2:
Collection Area: Northern Great Plains (NOGP)
Flight Plan Name: D09_NOGP_R2_P1_v2_Q780
On-station Time: 1530 / 1030L
Crew: Cameron Chapman (Lidar), Nick Marusich (NIS/GPS)