Payload 2 Daily Flight Report

Date: 2020-06-25
Flight Campaign ID: P2C1
Airport, FBO ID, City: Bismarck Municipal Airport (KBIS) - Bismarck, ND

Domain: 09 (Northern Plains)
Sites Flown: None
Days left in Domain: 7

Report Author: Michael Wussow
Lidar Operators: Michael Wussow
Spectrometer Operators: Robb Walker
Hours until maintenance: 83.40
Pilots: Stephen Brawders, Will Matthews
GPS Instruments: None

Summary
Unstable weather and thunderstorms moved across North Dakota today giving the crew a chance to get all data from yesterday extracted and checked. No flights conducted.

Concerns
Waveform QA failed for 2020062413 although data extracted properly. Appropriate persons have been notified.

Comments
None

Estimated Cloud Cover Key

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

Cumulative Domain Coverage

D09|N09A (D09 Nominal Runway)

1
Flown: 100% (1/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 100% (1/1)

D09|NOGP (Northern Great Plains)

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<tr>
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<tbody>
<tr>
<td>Flown:</td>
<td>4% (1/26)</td>
<td>0% (0/26)</td>
<td>0% (0/26)</td>
<td>4% (1/26)</td>
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</table>
Green: | 0% (0/26) | 0% (0/26) | 0% (0/26) | 0% (0/26) |
Yellow: | 0% (0/26) | 0% (0/26) | 0% (0/26) | 0% (0/26) |
Red: | 4% (1/26) | 0% (0/26) | 0% (0/26) | 0% (0/26) |
D09|WOOD_DCFS (Woodworth and Dakota Coteau Field School)

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Flown: 81% (44/54)
Green: 31% (17/54)
Yellow: 17% (9/54)
Red: 33% (18/54)

Weather Forecast

**Bismarck, ND**

<table>
<thead>
<tr>
<th>Fri 6/26</th>
<th>Sat 6/27</th>
<th>Sun 6/28</th>
<th>Mon 6/29</th>
<th>Tue 6/30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>PM Thunderstorms</td>
</tr>
<tr>
<td>88°</td>
<td>66°F</td>
<td>95°</td>
<td>68°F</td>
<td>94°</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.29 in</td>
<td>0 in</td>
<td>0.62 in</td>
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</table>

**Woodworth, ND**

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<thead>
<tr>
<th>Fri 6/26</th>
<th>Sat 6/27</th>
<th>Sun 6/28</th>
<th>Mon 6/29</th>
<th>Tue 6/30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Partly Cloudy/Wind</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>84°</td>
<td>61°F</td>
<td>90°</td>
<td>65°F</td>
<td>89°</td>
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<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.14 in</td>
<td>0.04 in</td>
<td>0.37 in</td>
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</table>
Flight Collection Plan for 26-27 June 2020

Flyority 1
Collection Area: Northern Great Plains (NOGP)
Flight Plan Name: D09_NOGP_R2_P1_v1.pln
On-station Time: 1010 – 1720 Local / 1510 – 2220 UTC

Flyority 2
Collection Area: Woodworth (WOOD) – Dakota Coteau Field School (DCFS)
Flight Plan Name: D09_WOOD_DCFS_C1_P1_v13.pln
On-station Time: 1000 – 1720 Local / 1500 – 2220 UTC