Date: 2020-07-02
Flight Campaign ID: P2C1
Airport, FBO ID, City: Bismarck Municipal Airport (KBIS) - Bismarck, ND

Domain: 09 (Northern Plains)
Sites Flown: WOOD_DCFS (Woodworth and Dakota Coteau Field School)
Days left in Domain: 0

Report Author: Michael Wussow
Lidar Operators: Michael Wussow  Flight Hours: 03:28
Spectrometer Operators: Robb Walker  Hours until maintenance: 73.00
Pilots: Chad Evans, Stephen Brawders  GPS Instruments: 02 - FBO_KBIS, AOP_WOOD

Summary
Clear but windy skies this morning allowed for one last collect at DCFS_WOOD before tomorrow’s departure to Broomfield, CO. Fifteen lines were collected under “green” conditions. This concludes data collection for 2020 in D09.

Concerns
None

Comments
- Wind was a factor in today’s flight (50kts), pushing survey speeds above nominal for S-N lines. See flight logs.
- Crew will be departing early in the AM to try and catch window of good weather to Boulder
- The Pony Express case was shipped to the D12 hotel in Bozeman
- AOP GPS_02 and associated equipment was shipped to the PIF
- AOP GPS_02 will need to be set up upon arrival in Boulder for today’s data to be uploaded
- P2C1_RAID_04 will be shipped from Boulder after this evening’s extraction
- AOP GPS_04 was set up at KBZN in D12 today

Daily Coverage
Estimated Cloud Cover Key

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

D09|WOOD_DCFS

<table>
<thead>
<tr>
<th>Line #</th>
<th>1</th>
<th>27</th>
<th>28</th>
<th>29</th>
<th>30</th>
<th>31</th>
<th>32</th>
<th>33</th>
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<th>35</th>
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<th>37</th>
<th>38</th>
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</tbody>
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Total number of lines flown: 15
Cumulative Domain Coverage

**D09|N09A (D09 Nominal Runway)**
- Flown: 100% (1/1)
- Green: 0% (0/1)
- Yellow: 0% (0/1)
- Red: 100% (1/1)

**D09|NOGP (Northern Great Plains)**
- Flown: 100% (26/26)
- Green: 88% (23/26)
- Yellow: 12% (3/26)
- Red: 0% (0/26)
D09|WOOD_DCFS (Woodworth and Dakota Coteau Field School)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |

Flown: 100% (54/54)
Green: 57% (31/54)
Yellow: 0% (0/54)
Red: 43% (23/54)

Weather Forecast
Bismarck, ND

<table>
<thead>
<tr>
<th>Fri 7/3</th>
<th>Sat 7/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°</td>
<td>67°F</td>
</tr>
</tbody>
</table>

Partly Cloudy
0.19 in
Isolated Thunderstorms
0.2 in

Bozeman, MT

<table>
<thead>
<tr>
<th>Sat 7/4</th>
<th>Sun 7/5</th>
<th>Mon 7/6</th>
<th>Tue 7/7</th>
<th>Wed 7/8</th>
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</thead>
<tbody>
<tr>
<td>78°</td>
<td>50°F</td>
<td>73°</td>
<td>48°F</td>
<td>76°</td>
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</tbody>
</table>

Partly Cloudy
0 in
Mostly Sunny
0 in
Mostly Sunny
0 in
Mostly Sunny
0 in
Mostly Sunny
0 in

Cloud Cover (%) Chance of Precip. (%)
Flight Plan for 03-04 July 2020

July 3 – Transit from Bismarck, ND (KBIS) to Broomfield, CO (KBJC)
   Crew: Michael Wussow and Robb Walker

July 4 – Transit from Broomfield, CO (KBJC) to Bozeman, MT (KBZN)
   Crew: Ivana Vu