Date: 2024-07-10
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Aircraft: N615AR

Domain: 19 (Taiga)
Sites Flown: BONA (Caribou Creek and Poker Flats Watershed)
Days left in Domain: 20

Report Author: Mike
Lidar Operators: Mike
Spectrometer Operators: John
Pilots: Will, Vince

Flight Hours: 03:04
Hours until maintenance: 103.77
GPS Instruments: C-FAI1, UAF-PFRR

Summary
The crew took advantage of much improved weather around Fairbanks today. Low priority lines at BONA were covered in yellow and red cloud conditions.

Concerns
None

Comments
None

Daily Coverage

Estimated Cloud Cover Key

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

D19|BONA

<table>
<thead>
<tr>
<th>Line #</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<th>40</th>
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<th>43</th>
<th>44</th>
<th>45</th>
<th>46</th>
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<tbody>
<tr>
<td>Lidar</td>
<td>✓</td>
<td>✓</td>
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<td>Spectrometer</td>
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</tr>
<tr>
<td>Cloud Cover</td>
<td>Green</td>
<td>Yellow</td>
<td>Red</td>
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</tbody>
</table>

Total number of lines flown: 20
Cloudy but flyable conditions at BONA today.
Cumulative Domain Coverage

D19|BONA (Caribou Creek and Poker Flats Watershed)

| 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Flown: 46% (21/46)
Green: 0% (0/46)
Yellow: 20% (9/46)
Red: 26% (12/46)

D19|DEJU (Delta Junction)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Flown: 33% (7/21)
Green: 0% (0/21)
Yellow: 33% (7/21)
Red: 0% (0/21)

D19|HEAL (Healy)

| 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 |   |   |   |   |   |   |

Flown: 0% (0/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 0% (0/33)

D19|N19A (D19 Nominal Runway)

| 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

Weather Forecast

Fairbanks, AK (BONA)

<table>
<thead>
<tr>
<th>Thu 7/11</th>
<th>Fri 7/12</th>
<th>Sat 7/13</th>
<th>Sun 7/14</th>
<th>Mon 7/15</th>
<th>Tue 7/16</th>
<th>Wed 7/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>66°</td>
<td>50°F</td>
<td>75°</td>
<td>54°F</td>
<td>68°</td>
<td>53°F</td>
<td>65°</td>
</tr>
</tbody>
</table>

- Rain 0.26 in
- Mostly Sunny 0 in
- Cloudy 0 in
- Mostly Cloudy 0.05 in
- AM Showers 0.04 in
- Showers 0.12 in
- AM Showers 0.01 in
Flight Collection Plan for 11 July 2024

Flyority 1
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_v2_PRM.xml
On-Station Time: 10:30 L / 18:30 UTC

Flyority 2
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_v2_PRM.xml
On-Station Time: 10:30 L / 18:30 UTC
Flyority 3
Collection Area: Delta Junction (DEJU) – Priority Flight Box 1
Flight Plan Name: D19_DEJU_R1_P1_P2_v6_PRM.xml
On-Station Time: 10:20 L / 18:20 UTC

Flyority 4
Collection Area: Delta Junction (DEJU) – Priority Flight Box 2
Flight Plan Name: D19_DEJU_R1_P1_P2_v6_PRM.xml
On-Station Time: 10:20 L / 18:20 UTC

Flyority 5
Collection Area: Nominal Runway – D19
Flight Plan Name: D19_N19A_Nominal_Runway_Test_v2_PRM.xml

Crew: John (Lidar), Mike (NIS)