Date: 2023-08-19
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Aircraft: N331AR

Domain: 19 (Taiga)
Sites Flown: None
Days left in Domain: 2

Report Author: Elissa
Lidar Operators: Elissa   Flight Hours: 00:00
Spectrometer Operators: Abe   Hours until maintenance: 55.93
Pilots: Jeff, Vince

Summary
A seasonal shift seems to be well underway in Fairbanks, with yet another consecutive day of overcast clouds and scattered showers. No data collection was possible at BONA beneath the low cloud ceiling.

Concerns
None.

Comments
Crew discussed plans for the upcoming transit to Boulder, CO. It should be possible to avoid bad weather and the worst of the Canadian wildfire activity along a standard route.

Cumulative Domain Coverage

Estimated Cloud Cover Key
- Green: 0-10%
- Yellow: 11-50%
- Red: >50%

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: 20% (9/46)
Green: 0% (0/46)
Yellow: 0% (0/46)
Red: 20% (9/46)
D19|DEJU_P1 (Delta Junction)

Flown: 100% (9/9)
Green: 100% (9/9)
Yellow: 0% (0/9)
Red: 0% (0/9)

D19|DEJU_P2 (Delta Junction)

Flown: 100% (10/10)
Green: 100% (10/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

D19|HEAL (Healy)

Flown: 100% (33/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 100% (33/33)

Weather Forecast

**Fairbanks, AK (BONA)**

<table>
<thead>
<tr>
<th>Sun 8/20</th>
<th>Mon 8/21</th>
<th>Tue 8/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°</td>
<td>49°F</td>
<td>57°</td>
</tr>
</tbody>
</table>

Rain: 0.57 in
Showers: 0.16 in
Cloudy: 0 in

**Healy, AK (HEAL)**

<table>
<thead>
<tr>
<th>Sun 8/20</th>
<th>Mon 8/21</th>
<th>Tue 8/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°</td>
<td>47°F</td>
<td>55°</td>
</tr>
</tbody>
</table>

Rain: 0.34 in
Showers: 0.15 in
Cloudy: 0 in

source: wunderground.com
Flight Collection Plan for 20 August 2023

Flyority 1
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_v1_PRM.xml
On-Station Time: 12:20 L / 20:20 UTC

Flyority 2
Collection Area: Healy (HEAL) **If “green” sky conditions**
Flight Plan Name: D19_HEAL_R3_P1_v1_PRM.xml
On-Station Time: 12:10 L / 20:10 UTC

Crew: Abe (Lidar), Elissa (NIS)