Date: 2023-08-17
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: 4

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

Summary
With no rain in today's forecast, we hoped for a chance to fly. However a low, broken cumulus layer held steady over BONA throughout the solar angle period, well below our flight altitude. No flights were attempted.

Concerns
None.

Comments
The replacement digitizer arrived in Fairbanks today. It will be installed tomorrow morning ahead of any potential flights.

Cumulative Domain 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>

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)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

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

D19|DEJU_P2 (Delta Junction)

| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

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

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

Weather Forecast

Fairbanks, AK (BONA)

<table>
<thead>
<tr>
<th>Fri 8/18</th>
<th>Sat 8/19</th>
<th>Sun 8/20</th>
<th>Mon 8/21</th>
<th>Tue 8/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>56°</td>
<td>49°F</td>
<td>63°</td>
<td>49°F</td>
<td>56°</td>
</tr>
</tbody>
</table>

- Showers 0.09 in
- AM Showers 0.09 in
- Rain 0.41 in
- Showers 0.11 in
- Mostly Cloudy 0 in

Healy, AK (HEAL)

<table>
<thead>
<tr>
<th>Fri 8/18</th>
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<th>Sun 8/20</th>
<th>Mon 8/21</th>
<th>Tue 8/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>57°</td>
<td>47°F</td>
<td>62°</td>
<td>47°F</td>
<td>56°</td>
</tr>
</tbody>
</table>

- PM Showers 0.1 in
- AM Showers 0.03 in
- Showers 0.3 in
- Showers 0.12 in
- Partly Cloudy 0 in

source: wunderground.com
Flight Collection Plan for 18 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)