Date: 2021-08-01
Flight Campaign ID: P3C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Aircraft: N615AR

Domain: 19 (Taiga)
Sites Flown: None
Days left in Domain: 16

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Michael Wussow
Pilots: Stephen Brawders, Vince Maarschalkerweerd
Flight Hours: 00:00
Hours until maintenance: 92.35
GPS Instruments: None

Summary
Cloudy day across all sites for much of the solar angle. No flights were conducted. The weather trend is improving and the next few days appear promising.

Concerns
None

Comments
None

Daily Coverage

Estimated Cloud Cover Key

| Green: 0-10% | Yellow: 11-50% | Red: >50% |
---|---|---|

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

| 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: 7% (3/46)
Green: 7% (3/46)
Yellow: 0% (0/46)
Red: 0% (0/46)
**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: 100% (21/21)
Green: 0% (0/21)
Yellow: 52% (11/21)
Red: 48% (10/21)

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**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: 79% (26/33)
Green: 70% (23/33)
Yellow: 9% (3/33)
Red: 0% (0/33)

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**Weather Forecast**

**Fairbanks, AK (PAFA, BONA)**

<table>
<thead>
<tr>
<th></th>
<th>Mon 8/2</th>
<th>Tue 8/3</th>
<th>Wed 8/4</th>
<th>Thu 8/5</th>
<th>Fri 8/6</th>
<th>Sat 8/7</th>
<th>Sun 8/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>87°</td>
<td>88°</td>
<td>86°</td>
<td>83°</td>
<td>73°</td>
<td>64°</td>
<td>70°</td>
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<tr>
<td></td>
<td>61°F</td>
<td>65°F</td>
<td>61°F</td>
<td>60°F</td>
<td>53°F</td>
<td>50°F</td>
<td>51°F</td>
</tr>
<tr>
<td></td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Showers</td>
<td>AM Showers</td>
<td>Mostly Cloudy</td>
</tr>
<tr>
<td>Rain</td>
<td>0.33 in</td>
<td>0.03 in</td>
<td>0.02 in</td>
<td>0.05 in</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Healy, AK (HEAL)**

<table>
<thead>
<tr>
<th></th>
<th>Mon 8/2</th>
<th>Tue 8/3</th>
<th>Wed 8/4</th>
<th>Thu 8/5</th>
<th>Fri 8/6</th>
<th>Sat 8/7</th>
<th>Sun 8/8</th>
</tr>
</thead>
<tbody>
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<td>82°</td>
<td>82°</td>
<td>76°</td>
<td>67°</td>
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<td>54°F</td>
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<td>48°F</td>
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<tr>
<td></td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Rain</td>
<td>Showers</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>Rain</td>
<td>0.44 in</td>
<td>0.12 in</td>
<td>0 in</td>
<td>0.05 in</td>
<td>0.44 in</td>
<td>0.12 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 2 August 2021

Flyority 1
Lines 1 – 11 *If green else Lines 1-8*
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_v1_Q780
On-station Time: 1910 UTC / 1110 L

Flyority 2
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_v1_Q780
On-station Time: 1910 UTC / 1110 L

Flyority 3
*If Green*
Collection Area: Delta Junction (DEJU) – Priority Flight Box 1 & 2
Flight Plan Name: D19_DEJU_R1_P1_v5_Q780, D19_DEJU_R1_P2_v5_Q780
On-station Time: 1850 UTC / 1050 L
Crew: Mike (Lidar), Cam (NIS)