Payload 1 Daily Flight Report

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

Domain: 19 (Taiga)
Sites Flown: None
Days left in Domain: 21

Report Author: John
Lidar Operators: John     Flight Hours: 00:00
Spectrometer Operators: Mike     Hours until maintenance: 106.83
Ground Operators: n/a
Pilots: Vince, Will

Summary
Continued poor weather with low clouds and scattered rain throughout central Alaska. No flight conducted.

Concerns
None.

Comments
Completed the mercury lamp test, and the pilots ran the engines as a part of the weekly preventative maintenance. Cody departed and Will joined the Twin Otter team.

Cumulative Domain Coverage

**D19 BONA (Caribou Creek and Poker Flats Watershed)**

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 0% (0/46)
Green: 0% (0/46)
Yellow: 0% (0/46)
Red: 0% (0/46)

**D19 DEJU (Delta Junction)**

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 33% (7/21)
Green: 0% (0/21)
Yellow: 33% (7/21)
Red: 0% (0/21)
D19|HEAL (Healy)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

D19|N19A (D19 Nominal Runway)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

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>Mon 7/8</th>
<th>Tue 7/9</th>
<th>Wed 7/10</th>
<th>Thu 7/11</th>
<th>Fri 7/12</th>
<th>Sat 7/13</th>
<th>Sun 7/14</th>
</tr>
</thead>
<tbody>
<tr>
<td>64°F</td>
<td>62°F</td>
<td>70°F</td>
<td>68°F</td>
<td>74°F</td>
<td>73°F</td>
<td>70°F</td>
</tr>
<tr>
<td>Mostly Cloudy</td>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>AM Showers</td>
<td>Partly Cloudy</td>
<td>Mostly Cloudy</td>
<td>Cloudy</td>
</tr>
<tr>
<td>0.12 in</td>
<td>0.01 in</td>
<td>0.02 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.04 in</td>
</tr>
</tbody>
</table>

Delta Junction, AK (DEJU)

<table>
<thead>
<tr>
<th>Mon 7/8</th>
<th>Tue 7/9</th>
<th>Wed 7/10</th>
<th>Thu 7/11</th>
<th>Fri 7/12</th>
<th>Sat 7/13</th>
<th>Sun 7/14</th>
</tr>
</thead>
<tbody>
<tr>
<td>63°F</td>
<td>69°F</td>
<td>73°F</td>
<td>65°F</td>
<td>71°F</td>
<td>72°F</td>
<td>70°F</td>
</tr>
<tr>
<td>AM Showers</td>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Partly Cloudy</td>
<td>Mostly Cloudy</td>
<td>Cloudy</td>
</tr>
<tr>
<td>0.01 in</td>
<td>0 in</td>
<td>0.03 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.05 in</td>
</tr>
</tbody>
</table>

Healy, AK (HEAL)

<table>
<thead>
<tr>
<th>Mon 7/8</th>
<th>Tue 7/9</th>
<th>Wed 7/10</th>
<th>Thu 7/11</th>
<th>Fri 7/12</th>
<th>Sat 7/13</th>
<th>Sun 7/14</th>
</tr>
</thead>
<tbody>
<tr>
<td>62°F</td>
<td>61°F</td>
<td>70°F</td>
<td>65°F</td>
<td>66°F</td>
<td>67°F</td>
<td>64°F</td>
</tr>
<tr>
<td>Cloudy</td>
<td>Cloudy</td>
<td>Partly Cloudy</td>
<td>AM Showers</td>
<td>Partly Cloudy</td>
<td>Mostly Cloudy</td>
<td>PM Showers</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.02 in</td>
<td>0.04 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.12 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 07 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: 10:10 L / 18:10 UTC

Flyority 2
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_v2_PRM.xml
On-Station Time: 10:10 L / 18:10 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: 10:00 L / 18:00 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: 10:00 L / 18:00 UTC

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

Crew: Mike (Lidar), John (NIS)