Date: 2022-07-30  
**Flight Campaign ID:** P1C1  
**Airport, FBO ID, City:** Deadhorse Airport (PASC) - Deadhorse, AK  
**Aircraft:** N331AR

**Domain:** 18 (Tundra)  
**Sites Flown:** None  
**Days left in Domain:** 23

**Report Author:** Cameron  
**Lidar Operators:** Cameron  
**Flight Hours:** 00:00  
**Spectrometer Operators:** Abe  
**Hours until maintenance:** 85.75  
**Pilots:** Vince, Jeremy

**Summary**  
Patchy fog and low clouds persisted through the day. No flights were conducted.

**Concerns**  
- The TOOL tower camera will require adjusting by the field crew.

**Comments**  
- D18 Hg Lamp test completed today.  
- GPS battery changed today

**Daily Coverage**

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

**Flight Screenshots:** None

**Pictures:** Abe changing the battery on the FBO GPS.
Above: The crew watched from the DAC as the low clouds continued to roll in throughout the day.

Cumulative Domain Coverage

D18|BARR_P1 (Barrow Environmental Observatory Priority 1)

Flown: 0% (0/35)
Green: 0% (0/35)
Yellow: 0% (0/35)
Red: 0% (0/35)

D18|BARR_P2 (Barrow Environmental Observatory Priority 2)

Flown: 0% (0/15)
Green: 0% (0/15)
Yellow: 0% (0/15)
Red: 0% (0/15)

D18|BARR_P3

Flown: 0% (0/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

D18|N18A (D18 Nominal Runway)

Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

D18|OKSR (Oksrukuyik Creek)

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

**Weather Forecast**

**Deadhorse, AK (FBO)**

<table>
<thead>
<tr>
<th>Sun 7/31</th>
<th>Mon 8/1</th>
<th>Tue 8/2</th>
<th>Wed 8/3</th>
<th>Thu 8/4</th>
<th>Fri 8/5</th>
<th>Sat 8/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>39°F</td>
<td>39°F</td>
<td>44°F</td>
<td>61°F</td>
<td>57°F</td>
<td>48°F</td>
<td>41°F</td>
</tr>
<tr>
<td>Cloudy</td>
<td>Cloudy</td>
<td>AM Clouds/PM Sun</td>
<td>Mostly Cloudy</td>
<td>Mostly Cloudy</td>
<td>AM Showers</td>
<td>Showers</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.04 in</td>
<td>0.09 in</td>
<td>0.07 in</td>
</tr>
</tbody>
</table>

**Alyeska Pipeline PS-02 Station, AK (TOOL)**

<table>
<thead>
<tr>
<th>Sun 7/31</th>
<th>Mon 8/1</th>
<th>Tue 8/2</th>
<th>Wed 8/3</th>
<th>Thu 8/4</th>
<th>Fri 8/5</th>
<th>Sat 8/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°F</td>
<td>55°F</td>
<td>63°F</td>
<td>65°F</td>
<td>64°F</td>
<td>58°F</td>
<td>48°F</td>
</tr>
<tr>
<td>Showers</td>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Showers</td>
</tr>
<tr>
<td>0.21 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.28 in</td>
<td>0.28 in</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 31 July 2022

Flyority 1/2
Collection Area: Toolik Lake (TOOL)
Flight Plan Name: D18_TOOL_C1_P1_v3_PRM.xml
On-station Time: 1930 UTC / 1130 L (35deg)

Flyority 1/2
Collection Area: Barrow Environmental Observatory (BARR) – P1 Flight Box
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5.PR_M.xml
On-station Time: 2030 UTC / 1230 L (35deg)

Flyority 3
Collection Area: Oksrukuyik Creek (OKSR)
Flight Plan Name: D18_OKSR_A1_P1_v2_PRM
On-station Time: 1930 UTC / 1130 L (35deg)

Flyority 4
Collection Area: Barrow Environmental Observatory (BARR) – P2 Flight Box
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5.PR_M.xml
On-station Time: 2030 UTC / 1230 L (35deg)

Flyority 5
Collection Area: Barrow Environmental Observatory (BARR) – P3 Flight Box
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5.PR_M.xml
On-station Time: 2030 UTC / 1230 L (35deg)

Flyority 6
Collection Area: Nominal Runway – D18
Flight Plan Name: D18_N18A_Nominal_Runway_Test_v1_PRM.xml
On-station Time: N/A

Crew: Abe (Lidar), Cam (NIS)