Payload 1 Daily Flight Report

Date: 2022-08-09
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: 14

Report Author: Mike
Lidar Operators: Mike  Flight Hours: 00:00
Spectrometer Operators: Abe  Hours until maintenance: 75.93
Pilots: Jeremy, Vince

Summary
Rain and low clouds persisted in the region throughout the day and no flights were possible.

Concerns
None

Comments
Special Guest ASO Dr. Ian Crocker has arrived in Deadhorse! Welcome!

Cumulative Domain Coverage

D18|BARR_P1 (Barrow Environmental Observatory Priority 1)

| 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 |

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

D18|BARR_P2 (Barrow Environmental Observatory Priority 2)

| 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

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

D18|BARR_P3

| 54 | 55 | 56 | 57 |

Flown: 0% (0/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 0% (0/4)
D18|N18A (D18 Nominal Runway)

Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

D18|OKSR (Oksrukuyik Creek)

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

D18|TOOL (Toolik)

Flown: 86% (44/51)
Green: 0% (0/51)
Yellow: 0% (0/51)
Red: 86% (44/51)

Weather Forecast
Deadhorse, AK (FBO)

<table>
<thead>
<tr>
<th>Wed 8/10</th>
<th>Thu 8/11</th>
<th>Fri 8/12</th>
<th>Sat 8/13</th>
<th>Sun 8/14</th>
<th>Mon 8/15</th>
<th>Tue 8/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>56°C</td>
<td>46°F</td>
<td>59°C</td>
<td>49°F</td>
<td>63°C</td>
<td>41°F</td>
<td>44°C</td>
</tr>
<tr>
<td>AM Showers</td>
<td>Cloudy</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Rain/Snow Showers</td>
<td>Rain/Snow Showers</td>
<td>Cloudy</td>
</tr>
<tr>
<td>0.02 in</td>
<td>0 in</td>
<td>0.04 in</td>
<td>0.19 in</td>
<td>-- in</td>
<td>0.06 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>
## Galbraith Lake, AK (TOOL)

<table>
<thead>
<tr>
<th></th>
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<th>Sun 8/14</th>
<th>Mon 8/15</th>
<th>Tue 8/16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temp</strong></td>
<td>47 °</td>
<td>38 °</td>
<td>59 °</td>
<td>44 °</td>
<td>61 °</td>
<td>45 °</td>
<td>55 °</td>
</tr>
<tr>
<td><strong>Cond</strong></td>
<td>Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Showers</td>
<td>AM Snow Showers</td>
<td>AM Rain/Ice</td>
</tr>
<tr>
<td><strong>Precip</strong></td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.21 in</td>
<td>-- in</td>
<td>-- in</td>
<td>0.16 in</td>
</tr>
</tbody>
</table>

## Utqiagvik, AK (BARR)

<table>
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<tr>
<th></th>
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<th>Sat 8/13</th>
<th>Sun 8/14</th>
<th>Mon 8/15</th>
<th>Tue 8/16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temp</strong></td>
<td>48 °</td>
<td>40 °</td>
<td>47 °</td>
<td>46 °</td>
<td>50 °</td>
<td>34 °</td>
<td>38 °</td>
</tr>
<tr>
<td><strong>Cond</strong></td>
<td>Showers/Wind</td>
<td>Light Rain/Wind</td>
<td>Showers</td>
<td>Cloudy</td>
<td>Cloudy</td>
<td>Cloudy</td>
<td>Mostly Cloudy</td>
</tr>
<tr>
<td><strong>Precip</strong></td>
<td>0.09 in</td>
<td>0.19 in</td>
<td>0.19 in</td>
<td>0 in</td>
<td>-- in</td>
<td>0 in</td>
<td>0.06 in</td>
</tr>
</tbody>
</table>

Source: wunderground.com
Flight Collection Plan for 10 August 2022

**Flyority 1/2**
Collection Area: Barrow Environmental Observatory (BARR) – P1 Flight Box  
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml  
On-station Time: 2000 UTC / 1200 L (30deg)

**Flyority 1/2** Collection Area: Toolik Lake (TOOL)  
Flight Plan Name: D18_TOOL_C1_P1_v3_PRM.xml  
On-station Time: 1900 UTC / 1100 L (30deg)

**Flyority 3**
Collection Area: Oksrukuyik Creek (OKSR)  
Flight Plan Name: D18_OKSR_A1_P1_v2_PRM  
On-station Time: 1900 UTC / 1100 L (30deg)

**Flyority 4**
Collection Area: Barrow Environmental Observatory (BARR) – P2 Flight Box  
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml  
On-station Time: 2000 UTC / 1200 L (30deg)

**Flyority 5**
Collection Area: Barrow Environmental Observatory (BARR) – P3 Flight Box  
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml  
On-station Time: 2000 UTC / 1200 L (30deg)

**Crew:** Abe (Lidar), Mike (NIS), Ian (Ground)