Payload 1 Daily Flight Report

Date: 2022-08-21  
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: 1

Report Author: Elissa  
Lidar Operators: Elissa  
Flight Hours: 00:00  
Spectrometer Operators: Mitch  
Hours until maintenance: 70.55  
Pilots: Vince, Jeremy

Summary
A sunny, snowy morning at Utqiagvik was a spectacle to behold from the tower camera feed. However broken cloud cover persisted at 1000 ft AGL over the site, and fog plus low ceilings at Deadhorse prevented flying.

Concerns
None.

Comments
The crew continued to make preparations for the transit today.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

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

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: 95% (20/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 95% (20/21)

D18|TOOL (Toolik)

Flown: 98% (50/51)
Green: 0% (0/51)
Yellow: 0% (0/51)
Red: 98% (50/51)

Weather Forecast

Deadhorse, AK (PASC)

<table>
<thead>
<tr>
<th>Mon 8/22</th>
<th>Tue 8/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>42°</td>
<td>51°</td>
</tr>
<tr>
<td>37°F</td>
<td>43°F</td>
</tr>
</tbody>
</table>

Cloudy/Wind 0 in

Cloudy 0 in
Utqiagvik, AK (BARR)

<table>
<thead>
<tr>
<th>Mon 8/22</th>
<th>Tue 8/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>38°F</td>
<td>36°F</td>
</tr>
<tr>
<td>Mostly Cloudy/Wind</td>
<td>PM Showers/Wind</td>
</tr>
<tr>
<td>0 in</td>
<td>0.04 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Alyeska Pipeline Pump Station 2, AK (TOOL)

<table>
<thead>
<tr>
<th>Mon 8/22</th>
<th>Tue 8/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°F</td>
<td>44°F</td>
</tr>
<tr>
<td>Showers</td>
<td>0.09 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 22 August 2022

**Flyority 1**  
Collection Area: Barrow Environmental Observatory (BARR) – P1 Flight Box  
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml  
On-station Time: 2100 UTC / 1300 L (30deg)

**Flyority 2**  
Collection Area: Barrow Environmental Observatory (BARR) – P2 Flight Box  
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml  
On-station Time: 2100 UTC / 1300 L (30deg)

**Flyority 3**  
Collection Area: Barrow Environmental Observatory (BARR) – P3 Flight Box  
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml  
On-station Time: 2100 UTC / 1300 L (30deg)

**Flyority 4**  
Collection Area: Toolik Lake (TOOL)  
Flight Plan Name: D18_TOOL_C1_P1_v3_PRM.xml  
On-station Time: 1940 UTC / 1140 L (30deg) – ONLY IF GREEN

**Flyority 5**  
Collection Area: Oksrukuyik Creek (OKSR)  
Flight Plan Name: D18_OKSR_A1_P1_v2_PRM  
On-station Time: 1940 UTC / 1140 L (30deg) – ONLY IF GREEN

**Crew:** Elissa, Mitch