Payload 1 Daily Flight Report

Date: 2022-08-18
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: 4

Report Author: Mitch
Lidar Operators: Mitch
Spectrometer Operators: Mike
Pilots: Jeremy, Vince
Ground Crew: Elissa
Flight Hours: 00:00
Hours until maintenance: 70.55
GPS Instruments: None

Summary
More of the same weather patterns here in Deadhorse; low clouds, mist, fog, and rain. No flights conducted.

Concerns
None

Comments
Packed and shipped a pallet to Tucson and D14 via Alaska Air Cargo and FedEx. Pallet should hopefully arrive before the Otter does next week.
## Cumulative Domain Coverage

### D18|TOOL (Toolik)

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- Flown: 100% (50/51)
- Green: 0% (0/51)
- Yellow: 0% (0/51)
- Red: 100% (50/51)

### D18|OKSR (Oksrukuyik Creek)

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- Flown: 100% (20/21)
- Green: 0% (0/21)
- Yellow: 0% (0/21)
- Red: 100% (20/21)

### D18|BARR_P1 (Barrow Environmental Observatory Priority 1)

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</table>

- 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 (Barrow Environmental Observatory Priority 3)

| 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)

| 1 | 2 |

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

Deadhorse, AK (FBO)

<table>
<thead>
<tr>
<th></th>
<th>Fri 8/19</th>
<th>Sat 8/20</th>
<th>Sun 8/21</th>
<th>Mon 8/22</th>
<th>Tue 8/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM Showers</td>
<td>39°</td>
<td>37°</td>
<td>39°</td>
<td>39°</td>
<td>44°</td>
</tr>
<tr>
<td>Cloudy/Wind</td>
<td>1</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Utqiagvik, AK (BARR)

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<thead>
<tr>
<th></th>
<th>Fri 8/19</th>
<th>Sat 8/20</th>
<th>Sun 8/21</th>
<th>Mon 8/22</th>
<th>Tue 8/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloudy</td>
<td>36°</td>
<td>37°</td>
<td>36°</td>
<td>39°</td>
<td>43°</td>
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<tr>
<td>0 in</td>
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<td>0 in</td>
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Galbraith Lake, AK (TOOL)

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<th>Tue 8/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM Showers</td>
<td>45°</td>
<td>47°</td>
<td>39°</td>
<td>47°</td>
<td>54°</td>
</tr>
<tr>
<td>Cloudy</td>
<td>1</td>
<td>0.08 in</td>
<td>1.2 in</td>
<td>-- in</td>
<td>0 in</td>
</tr>
<tr>
<td>Rain/Snow</td>
<td>36°</td>
<td>34°</td>
<td>29°</td>
<td>34°</td>
<td>38°</td>
</tr>
<tr>
<td>AM Ice</td>
<td>0.02 in</td>
<td>0.08 in</td>
<td>-- in</td>
<td>-- in</td>
<td>-- in</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>0 in</td>
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</tbody>
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source: wunderground.com
Flight Collection Plan for 18 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