Payload 1 Daily Flight Report

Date: 2022-07-19  
Flight Campaign ID: P1C1  
Airport, FBO ID, City: Deadhorse Airport (PASC) – Prudhoe Bay, AK  
Aircraft: N331AR

Domain: D18  
Sites Flown: Transit  
Days left in Domain: 34

Report Author: Mike  
Lidar Operators: Mike  
Flight Hours: 00:00  
Spectrometer Operators: NA  
Hours until maintenance: 85.75  
Pilots: Jeremy, Vince  
GPS Instruments: None

Summary
Today was a down day. Elissa completes her journey up north this evening, arriving with the vacuum pump in hand. The pallet of equipment should arrive tomorrow afternoon. With the arrival of the pump, pumping and cooling can begin.

Concerns
None

Comments
After many phone calls and quick decisions, Elissa was able to rescue the pump in its stagnate state during a layover in Anchorage that was extended. The pump was shipped a few days ahead of the pallet with the hope that it would arrive as the same time as the Otter so pumping and cooling could begin immediately. Once reaching Anchorage the pump sat in the FedEx warehouse for four days due to staffing shortages. It was then handed to their Deadhorse freight forwarder today and scheduled for a Thursday delivery. Fortunately, Elissa was able to procure it and check it as baggage. Thanks for being so flexible and assertive Elissa!

Weather Forecast  
Prudhoe Bay – Deadhorse, AK

<table>
<thead>
<tr>
<th></th>
<th>Wed 7/20</th>
<th>Thu 7/21</th>
<th>Fri 7/22</th>
<th>Sat 7/23</th>
<th>Sun 7/24</th>
<th>Mon 7/25</th>
<th>Tue 7/26</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>56°</td>
<td>36°F</td>
<td>43°</td>
<td>35°F</td>
<td>39°</td>
<td>34°F</td>
<td>39°</td>
</tr>
<tr>
<td>Mostly Sunny</td>
<td>0 in</td>
<td>Cloudy</td>
<td>0 in</td>
<td>Cloudy</td>
<td>0.01 in</td>
<td>Cloudy</td>
<td>0.01 in</td>
</tr>
</tbody>
</table>

- Mostly Sunny: 0 in
- Cloudy: 0 in
- AM Showers: 0.01 in
Salcha, AK (TOOL)

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<tr>
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<th>Mon 7/25</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>58°</td>
<td>57°</td>
<td>54°</td>
<td>52°</td>
<td>53°</td>
<td>57°</td>
<td>59°</td>
</tr>
<tr>
<td>Cond</td>
<td>Mostly Cloudy</td>
<td>AM Showers</td>
<td>Cloudy</td>
<td>Showers</td>
<td>Showers</td>
<td>PM Showers</td>
<td>Showers</td>
</tr>
<tr>
<td>Precip</td>
<td>0.02 in</td>
<td>0.02 in</td>
<td>0.27 in</td>
<td>0.12 in</td>
<td>0.07 in</td>
<td>0.09 in</td>
<td>0.14 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for July 20-21, 2022
Pumping and Cooling
Crew: Mike and Elissa

Flight Collection Plan for July 22, 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_P3_v5_PRM.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_PRM.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_PRM.xml
On-station Time: 2030 UTC / 1230 L (35deg)

Flyority 5
Collection Area: Nominal Runway – D18
Flight Plan Name: D18_N18A_Nominal_Runway_Test_v1_PRM.xml
On-station Time: N/A