Payload 1 Daily Flight Report

Date: 2022-07-27
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: 26

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Abe
Pilots: Vince, Jeremy
Ground Crew: Cameron

Summary
If anything the rainy conditions worsened today, but we are still hopeful for a better outlook this weekend.

Concerns
None.

Comments
We were awoken early in the morning by a station wide power outage. The UPS-1250 completely drained, turning off the chiller and sending the spectrometer into safe mode. We were able to visit the plane quickly and bring everything back online without a hitch.

Cumulative Domain Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th></th>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>D18</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>BARR_P1</td>
<td></td>
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</tbody>
</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)

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)

D18|TOOL (Toolik)

Flown: 0% (0/48)
Green: 0% (0/48)
Yellow: 0% (0/48)
Red: 0% (0/48)

Weather Forecast

Deadhorse, AK (FBO)
Flight Collection Plan for 28 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_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 6
Collection Area: Nominal Runway – D18
Flight Plan Name: D18_N18A_Nominal_Runway_Test_v1_PRM.xml
On-station Time: N/A

Crew: Cam (Lidar), Elissa (NIS), Abe (Ground)