July 21, 2019 Payload 2 Daily Flight Report

Date: 2019-07-21
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Deadhorse Airport (PASC) - Deadhorse, AK

Domain: 18
Sites Flown: None
Days left in Domain: 5

Report Author: Michael Wussow
Flight Crew: Michael Wussow, Robb Walker
Flight Hours: 00:00
Ground/GPS: Abe Morrison
Hours until maintenance: 52.37
Pilots: Stephen Brawders, Mark Solper
Additional Personnel: None
GPS Instruments: None

Summary
The weather continues to stymie collections in D18. The forecast for the upcoming week does however show some improvement, in which the crew should be able to collect the remaining initial coverage lines at Toolik.

Concerns
None

Comments
None

Cumulative Domain Coverage

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<tr>
<th>BARR_P1</th>
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Flown: 100% (35/35)
Green: 0% (0/35)
Yellow: 100% (35/35)
Red: 0% (0/35)

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<tr>
<th>BARR_P2</th>
<th>36</th>
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Flown: 127% (19/15)
Green: 0% (0/15)
Yellow: 127% (19/15)
Red: 0% (0/15)

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<tr>
<th>N18A</th>
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Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)
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<thead>
<tr>
<th>TOOL</th>
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Flown: 90% (43/48)
Green: 0% (0/48)
Yellow: 23% (11/48)
Red: 71% (34/48)

Weather Forecast
Prudhoe Bay, AK (PASC)

<table>
<thead>
<tr>
<th></th>
<th>Mon 7/22</th>
<th>Tue 7/23</th>
<th>Wed 7/24</th>
<th>Thu 7/25</th>
<th>Fri 7/26</th>
<th>Sat 7/27</th>
<th>Sun 7/28</th>
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<tbody>
<tr>
<td></td>
<td>56°</td>
<td>49° F</td>
<td>56°</td>
<td>45° F</td>
<td>53°</td>
<td>45° F</td>
<td>57°</td>
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<tr>
<td>AM</td>
<td>Clouds/PM Sun</td>
<td>AM Showers</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
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<td></td>
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Toolik Lake, AK (TOOL)

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<th></th>
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<td>61°</td>
<td>45° F</td>
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<td>41° F</td>
<td>53°</td>
<td>45° F</td>
<td>55°</td>
</tr>
<tr>
<td>AM</td>
<td>Mostly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy/Wind</td>
<td>Partly Cloudy</td>
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Flight Collection Plan for 22 July 2019

**Flyority 1:**
Collection Area: Toolik (TOOL)
Flight Plan Name: D18_TOOL_C1_P1_v1.pln
On-station Time: 1910 – 0100 UTC / 1040 – 1720 L (35° solar angle)
*Lines 1, 45-48

**Flyority 2:**
Collection Area: Barrow Environmental Observatory (BARR) - Priority 1 Flight Box
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v4.pln
On-station Time: 2000 – 0100 UTC / 1130 – 1730 L (35° solar angle)
*Only if Green Conditions Exist

**Flyority 3:**
Collection Area: Barrow Environmental Observatory (BARR) - Priority 2 Flight Box
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v4.pln
On-station time: 2000 – 0100 UTC / 1130 – 1730 L (35° solar angle)
*Only if Green Conditions Exist

**Flyority 4**
Collection Area: Barrow Environmental Observatory (BARR) - Priority 3 Flight Box
Flight Plan Name: D18_BARR_R1_P1_P2_P3_v4.pln
On-station time: 2000 – 0100 UTC / 1130 – 1730 L (35° solar angle)
*Only if Green Conditions Exist

**Flyority 5**
Collection Area: Nominal Runway – D18
Flight Plan Name: D18_N18A_Nominal_Runway_Test_v1.pln
On-station time: N/A

**Crew:** Abe Morrison (Lidar), Michael Wussow (NIS), Robb Walker (Ground)

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**Flight Collection Plan for 23 July 2019**

**Flyority 1-5:** Same as previously briefed

**Crew:** Robb Walker (Lidar), Abe Morrison (NIS), Michael Wussow (Ground)

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