Date: 2019-08-18
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK

Domain: 19
Sites Flown: DEJU (Delta Junction)
Days left in Domain: 1

Report Author: Michael Wussow
Flight Crew: Michael Wussow, Robb Walker
Ground/GPS: Ivana Vu
Pilots: Paul Muth, Micah Hoogeveen
Additional Personnel:
GPS Instruments: C-FAI1, U-AC71, U-AC72

Flight Hours: 03:29
Hours until maintenance: 27.73

Summary
Clear skies in the morning near BONA quickly clouded up before solar angle start time. However, clouds lifted just high enough over Delta Junction this afternoon and the remaining 11 lines were collected under cloudy skies.

Concerns
None

Comments
-Initially several lines were cut short on south end due to rain in that area. Those gaps were able to be filled in after the rain moved out of the box
-Due to the potential of the remnants of Typhoon Krosa pushing nasty weather across the North Pacific into Alaska by Wednesday, the pilots and crew have agreed that it is best to begin the transit to Grand Junction, CO one day early. N70AR will depart on Tuesday to take advantage of favorable flying weather for the long trip.

Flight Screenshots
**Daily Coverage**

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<th>D19</th>
<th>DEJU</th>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
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Clouds and sun over DEJU

Fresh snow in the Alaska Range foothills
Cumulative Domain Coverage

**BONA**

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Flown: 100% (46/46)
Green: 0% (0/46)
Yellow: 0% (0/46)
Red: 102% (47/46)

**DEJU**

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Flown: 100% (32/32)
Green: 0% (0/32)
Yellow: 0% (0/32)
Red: 119% (38/32)

**HEAL**

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Flown: 70% (23/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 70% (23/33)

**N19A**

| 1 |

Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

Weather Forecast

**Fairbanks, AK**

<table>
<thead>
<tr>
<th>Mon 8/19</th>
<th>Tue 8/20</th>
<th>Wed 8/21</th>
<th>Thu 8/22</th>
<th>Fri 8/23</th>
<th>Sat 8/24</th>
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<tr>
<td>60°</td>
<td>40° F</td>
<td>59°</td>
<td>40° F</td>
<td>55°</td>
<td>38° F</td>
<td>61°</td>
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Partly Cloudy | Partly Cloudy | AM Showers | Partly Cloudy | Mostly Cloudy | AM Showers | Partly Cloudy |

0 in | 0.13 in | 0.08 in | 0 in | 0 in | 0.01 in | 0 in |

Cloud Cover (%) | Chance of Precip. (%)
Flight Collection Plan for 19 August 2018

**Flyority 1:**
Collection Area: Caribou Creek-Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_730max_v2.pln
On-station Time: 20:20 UTC / 12:20 L (35 deg solar angle)
*Only if green conditions exist

**Flyority 2:**
Collection Area: Delta Junction (DEJU)
Flight Plan Name: D19_DEJU_R1_P1_730max_v3.pln
On-station Time: 20:00 UTC / 12:00 L (35 deg solar angle)
*If BONA completed Green and Green conditions exist

**Flyority 3:**
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_730max_v1.pln
On-station Time: 20:20 UTC / 20:20 L (35 deg solar angle)
*Lines 1-11
Flyority 4:
Collection Area: Nominal Runway – D19
Flight Plan Name: D19_N19A_Nominal_Runway_Test_v1.pln
On-station time: N/A
Crew: Ivana Vu (Lidar), Michael Wussow (NIS) Robb Walker (Ground/GPS)

Flight Collection Plan for 20 August 2019
Begin Transit to Grand Junction
Crew: Ivana Vu