Flight Campaign ID: 2017_P2C1
FBO ID & City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Domain: 19
Sites Flown: Transit
Days left in Domain: 16
Flight Hours: 02:21
Hours until maintenance: 77.00

Date: 2017-07-29
Report Author: Ivana Vu
Pilots: Grant Frost, Kyler Dalton
Flight Crew: Ivana Vu
Ground/GPS: John Adler
Additional Personnel: None

GPS Instruments:
None

Summary:
Aircraft arrived safely in Fairbanks and the entire crew was excited to see trees again! D19 collects will begin tomorrow with Delta Junction being our first priority site. Scheduled military exercises may continue to affect our collection times and flight priorities until August 11th.

Issues/Concerns:
- NIS crycoolers are continuing to require multiple “IDLE-to-SAFE” cycles before engaging
- PIM thermocouples are consistently failing after initial system startup – NI-DAQ power cycles appear to resolve the issue
- Power receptacles at FBO are 3-phase 440VAC rather than documented 208VAC – crew is using FBO GPU for now and an additional adapter will be built if necessary

Comments:
- Delta Junction (DEJU) will only be attempted on weekends until August 11th due to scheduled Red Flag activities occurring at MOA near the site
- Pilot rotation: Ross Rice is replacing Grant Frost. Thanks and safe travels home, Grant!
- John deployed GPS04 (BONA) – this unit was also the FBO GPS in D18 and data should download after 0030 UTC (1830 MDT) tomorrow
- Mike arrived in D19
Pictures:

Figure 1. Northern edge of the Brooks Range

Figures 2 & 3. Arctic National Wildlife Refuge
Figure 4. Yukon Flats National Wildlife Refuge

Figure 5. White Mountains National Recreation Area
**Weather Forecast**

**Delta Junction, AK**

<table>
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<tr>
<th></th>
<th>Sat 07/29</th>
<th>Sun 07/30</th>
<th>Mon 07/31</th>
<th>Tue 08/01</th>
<th>Wed 08/02</th>
<th>Thu 08/03</th>
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<tbody>
<tr>
<td>Icon</td>
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<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Mostly Cloudy</td>
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**Fairbanks, AK**

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**Healy, AK**

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<tr>
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**Flight Collection Plan for 30 July 2017:**

**Flyority 1:**
Collection Area: Delta Junction (DEJU)
Flight Plan Name: D19_DEJU_R1_P1_730max_v2.pln
On Station: 1050L / 1850 UTC

**Flyority 2:**
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_730max_v2.pln
On Station: 1110L / 1910 UTC

**Flyority 3:**
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_730max_v1.pln
On Station: 1100L / 1900 UTC

**Crew**
Lidar: Michael Wussow
NIS: Ivana Vu
Ground/GPS: John Adler

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**Flight Collection Plan for 31 July 2017:**

**Flyority 1:**
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_730max_v2.pln
On Station: 1110L / 1910 UTC

**Flyority 2:**
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_730max_v1.pln
On Station: 1100L / 1900 UTC

**Crew**
Lidar: Ivana Vu
NIS: Michael Wussow
Ground/GPS: John Adler