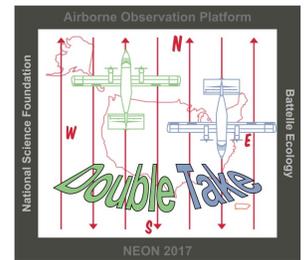




2017 P2C1 Daily Report



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



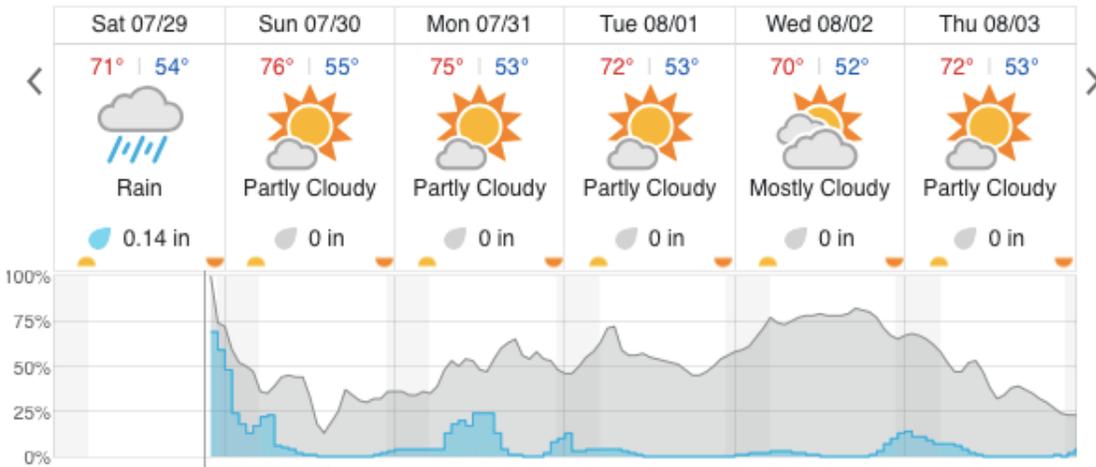
Figure 4. Yukon Flats National Wildlife Refuge



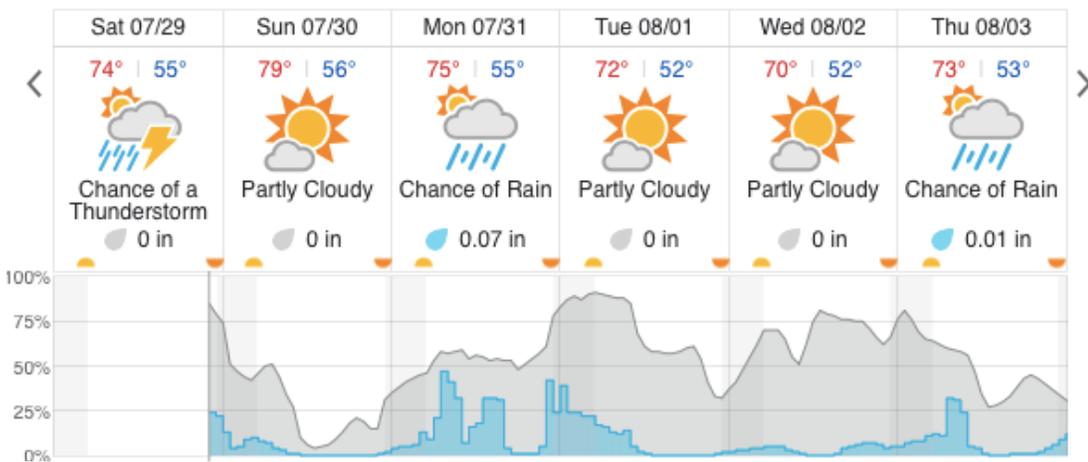
Figure 5. White Mountains National Recreation Area

Weather Forecast

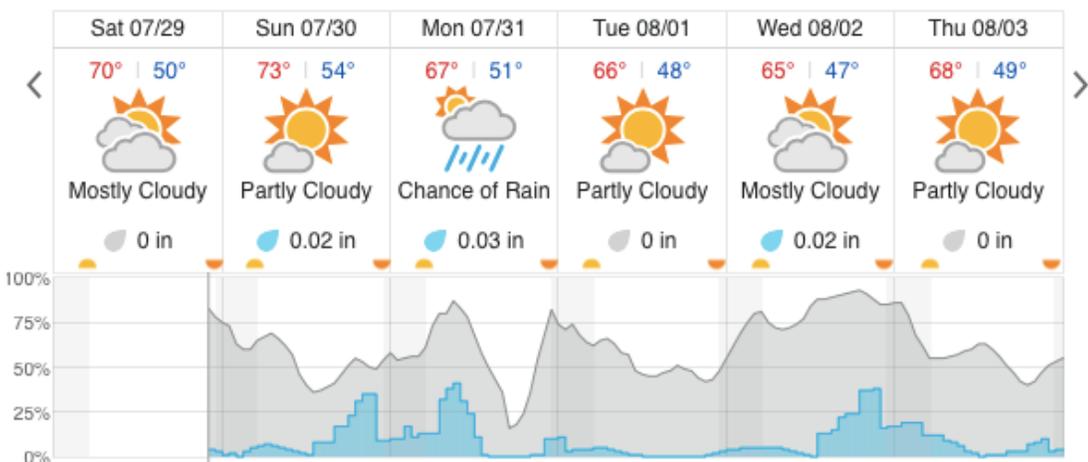
Delta Junction, AK



Fairbanks, AK



Healy, AK



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

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