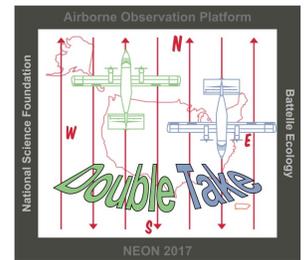




## 2017 P2C1 Daily Report



**Flight Campaign ID:** 2017\_P2C1

**FBO ID & City:** Fairbanks International Airport  
(PAFA) - Fairbanks, AK

**Domain:** 19

**Sites Flown:** HEAL, N19A

**Days left in Domain:** 7

**Flight Hours:** 02:32

**Hours until maintenance:** 57.08

**Date:** 2017-08-07

**Report Author:** Ivana Vu

**Pilots:** Ross Rice, Kyler Dalton

**Flight Crew:** Ivana Vu, Mitch Haynes

**Ground/GPS:** John Adler

**Additional Personnel:** None

### **GPS Instruments:**

CORS - FAI1, UNAVCO - GRNX

### **Summary:**

Healy (HEAL) site and Nominal Runway calibration (N19A) were flown under cloudy conditions. Initial coverage is now 90-100% complete at D19 sites.

### **Issues/Concerns:**

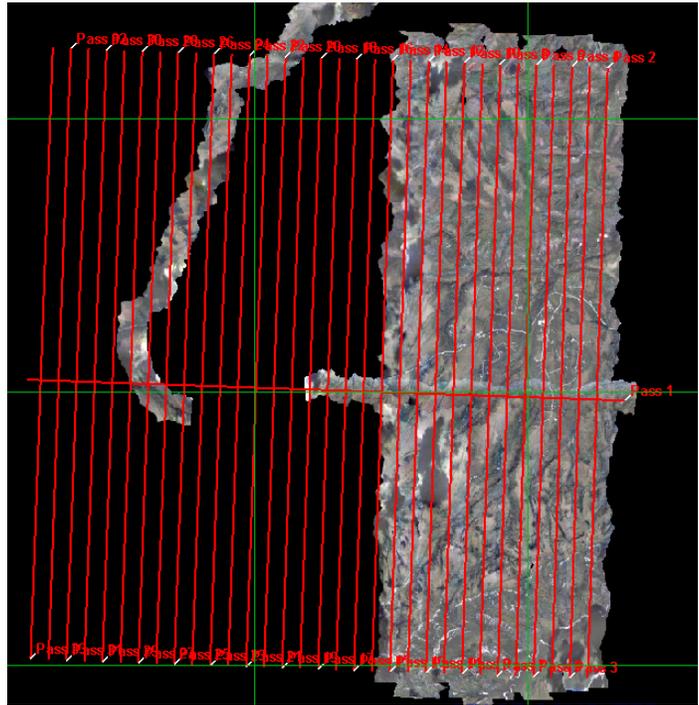
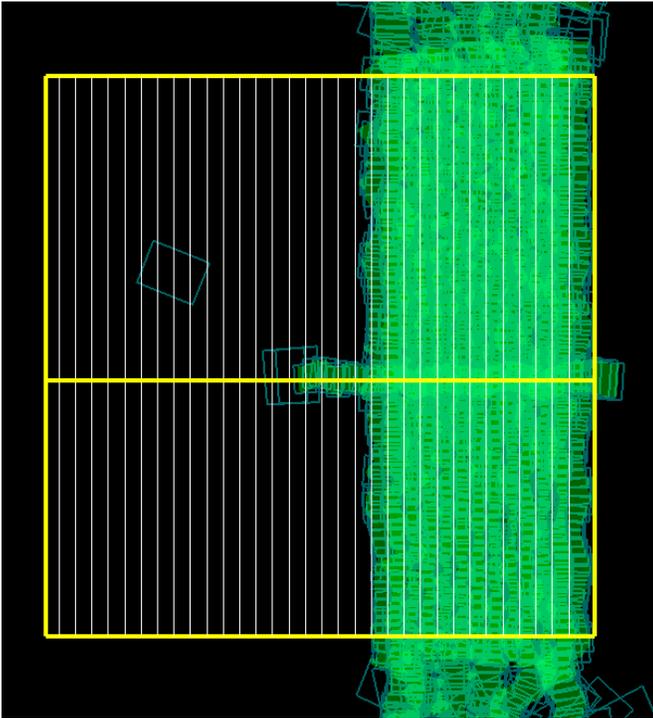
- Data is still extracting successfully on spare Hotel Kit but QAQC checks are not generating due to a software licensing issue. Tristan, Fernando and Andrew are continuing to work on this.
- NIS chamber pressure continues to read  $\sim 2.0e-3$  Torr

### **Comments:**

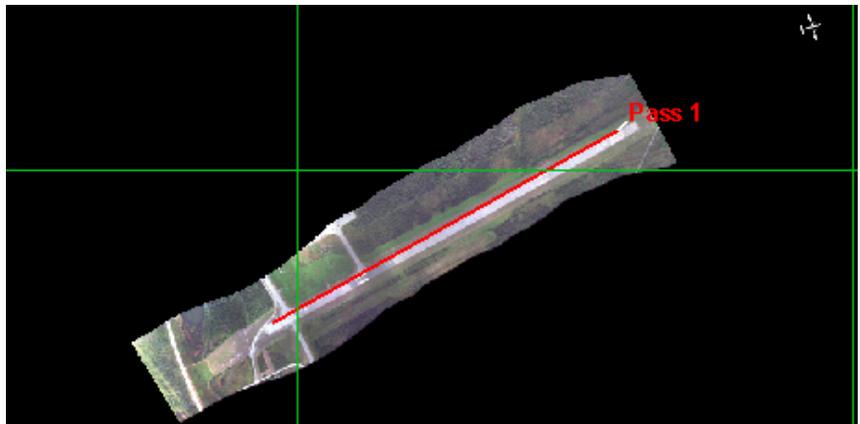
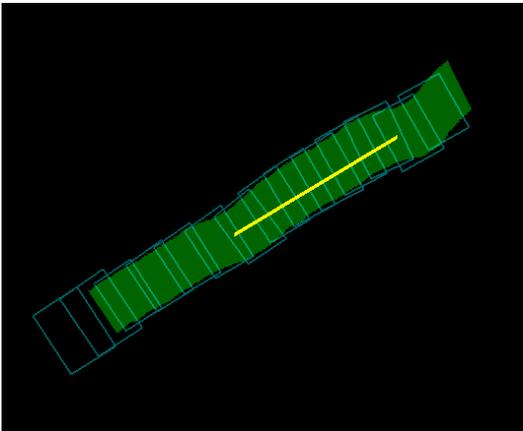
- Completed lines 2-13 at HEAL (Red: >50% cloud cover)
- Completed N19A
- RAID 2017\_P2C1\_13 should arrive at the Denver data center Tuesday morning by 1030L. This drive contains the first batch of data that was extracted on the spare Hotel Kit, as well as Flight 2017080518 which had the in-flight NIS pressure spike
- D18/19 field staff will visit us at the FBO tomorrow afternoon

# NIS/Lidar Screenshot

HEAL



N19A



**Pictures:**



*Above: Healy site (note large shadows from cumulus clouds)  
Below: View of the Alaska Range while collecting at Healy*





## **Cumulative Domain Coverage**

BONA: 18-36 (Green) / 2-13, 15-17, 40-46 (Yellow) / 14, 37-39 (Red) of 46

DEJU: 5-6 (Green) / 30-32 (Yellow) / 7-29 (Red) of 32

HEAL: 2-33 (Red) of 33

## **Flight Collection Plan for 08 August 2017:**

*If conditions are green –*

### **Flyority 1:**

Collection Area: Caribou Creek – Poker Flats Watershed (BONA)

Flight Plan Name: D19\_BONA\_C1\_P1\_730max\_v2.pln

On Station: 1130L / 1930 UTC

### **Flyority 2:**

Collection Area: Healy (HEAL)

Flight Plan Name: D19\_HEAL\_R3\_P1\_730max\_v1.pln

On Station: 1130L / 1930 UTC

### **Crew**

Lidar: Mitch Haynes

NIS: John Adler

GPS/Ground: Ivana Vu

## **Flight Collection Plan for 09 August 2017:**

**Flyority 1:** Same as previous day

### **Crew**

Lidar: John Adler

NIS: Mitch Haynes

GPS/Ground: Ivana Vu