



## 2017 P2C1 Daily Report



**Flight Campaign ID:** 2017\_P2C1

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

**Domain:** 19

**Sites Flown:** DEJU, BONA

**Days left in Domain:** 8

**Flight Hours:** 04:40

**Hours until maintenance:** 59.62

**Date:** 2017-08-06

**Report Author:** John Adler

**Pilots:** Kyler Dalton, Ross Rice

**Flight Crew:** John Adler, Mitch Haynes

**Ground/GPS:** Ivana Vu

**Additional Personnel:** None

### **GPS Instruments:**

04 - BONA, CORS - FAI1, UNAVCO - AC71, UNAVCO - AC72

### **Summary:**

Completed initial coverage of BONA, with yellow conditions over the area. After heading to Delta Junction, we were able to complete 5 additional lines to bring our initial coverage to 90.6% at DEJU. Our next opportunity to fly DEJU will be after the Red Flag exercise (11Aug).

We have now extracted all previous flights, and are back to a normal data processing flow.

### **Issues/Concerns:**

The spectrometer pressure indicator continues to show  $\sim 2 \cdot 10^{-3}$  Torr, but appears to be operating satisfactorily. We have send yesterday's spectrometer data to the Denver center via Fedex so HQ personnel can review the images collected in this possible degraded situation. We are also shipping Hotel Kit 2 to HQ.

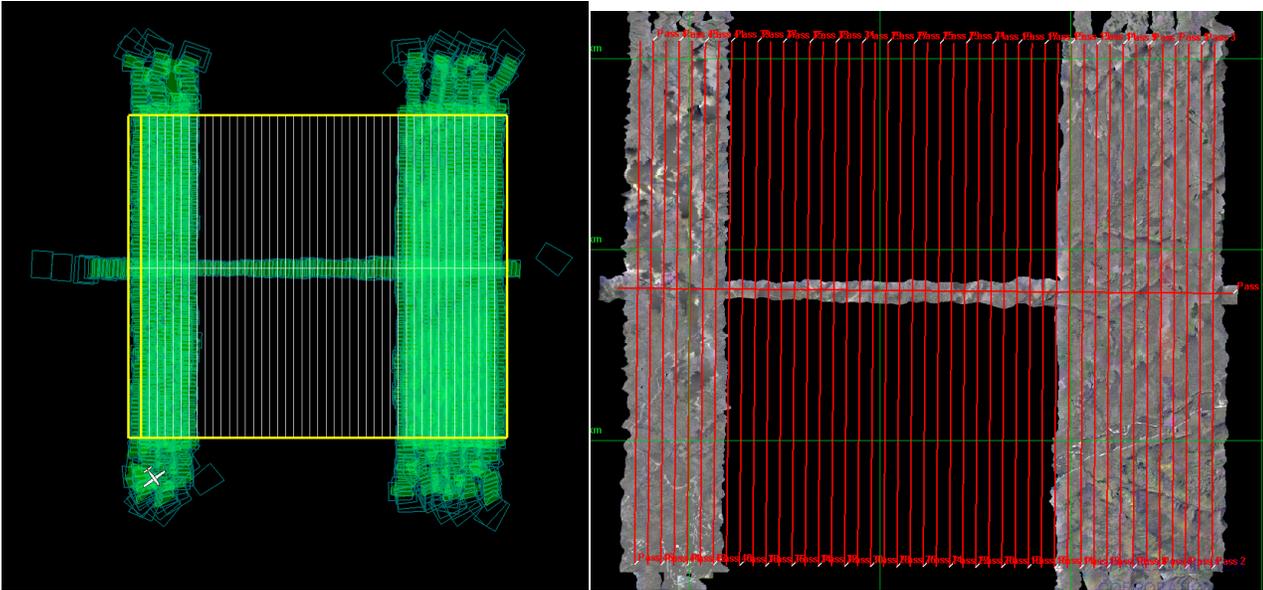
### **Comments:**

The spare hotel kit is extracting data correctly, but the QA/QC checks are not working. Perhaps it could be looked at Monday via a VPN connection.

### **Photo of the Fort Knox Mine**

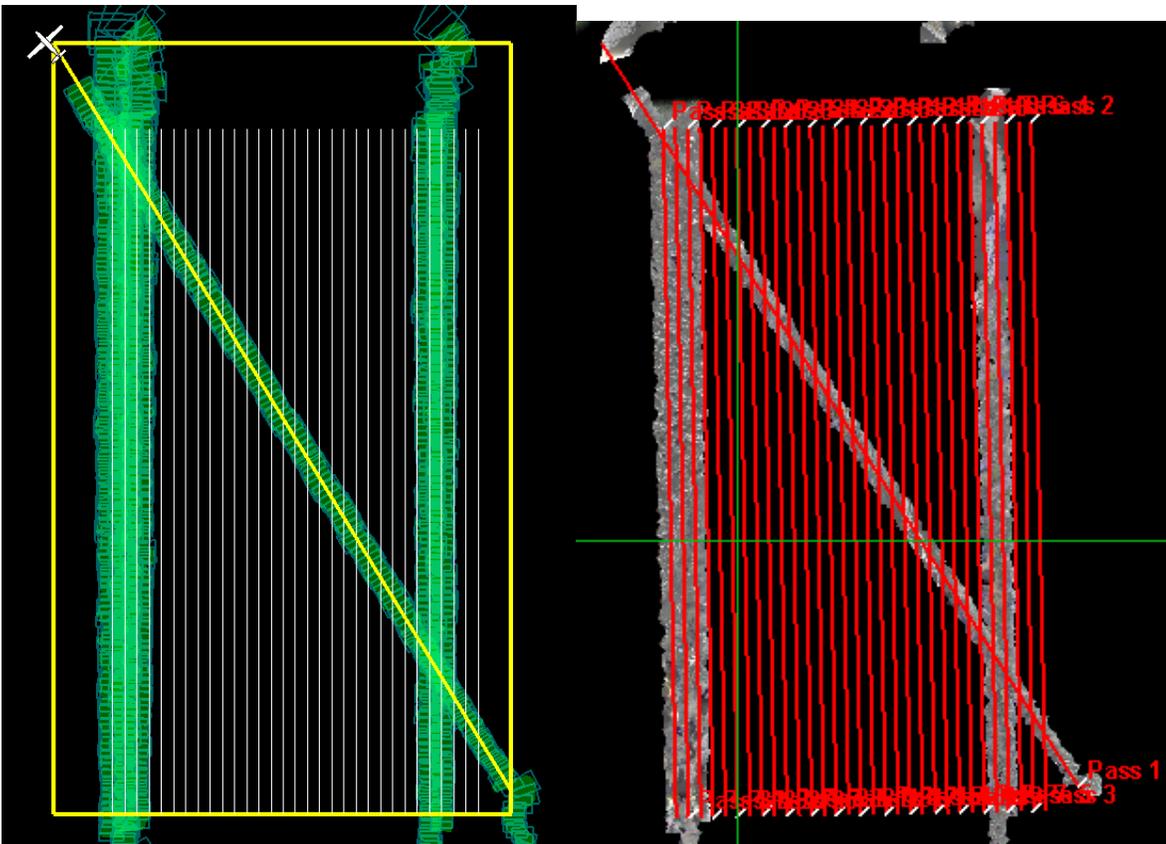


# NIS/Lidar Screenshot



BONA lidar screenshot

BONA NIS screenshot

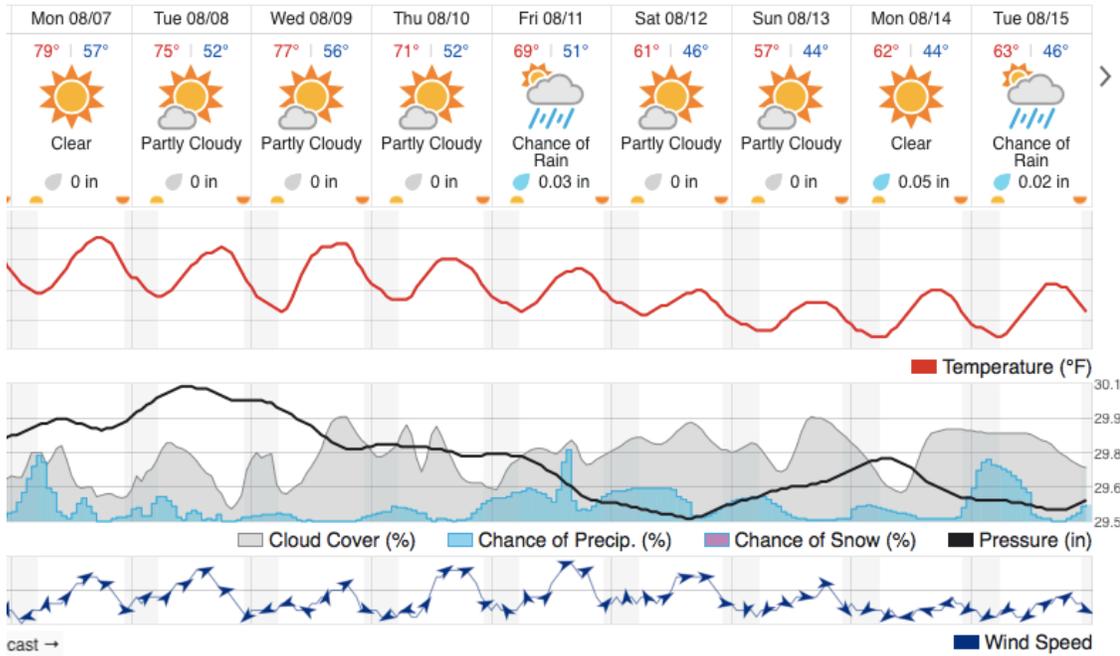


DEJU lidar screenshot

DEJU NIS screenshot

## Weather Forecast

### Fairbanks, AK



## Domain Coverage

D19 BONA	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							NLC
	9							NLC
	10							NLC
	11							NLC
	12							NLC
	13							NLC
	40							NLC
	41						X	NL
	42							NLC
	43							NLC
	44							NLC
	45							NLC
	46							NLC

Completed:	(0/20)							0.00%
D19 DEJU	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	5							NLC
	6							NLC
	30							NLC
	31							NLC
	32							NLC
Completed:	(2/6)							5.13%

**Flight Collection Plan for 07 August 2017:**

**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) & Nominal Runway–D19

Flight Plan Name: D19\_HEAL\_R3\_P1\_730max\_v1.pln & D19\_N19A\_Nominal\_Runway\_Test\_v1.pln

On Station: 1130L / 1930 UTC

**Crew**

Lidar: Ivana Vu

NIS: Mitch Haynes

Ground: John Adler

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

**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) & Nominal Runway–D19

Flight Plan Name: D19\_HEAL\_R3\_P1\_730max\_v1.pln & D19\_N19A\_Nominal\_Runway\_Test\_v1.pln

On Station: 1130L / 1930 UTC

**Crew**

Lidar: Mitch Haynes

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