



2017 P2C1 Daily Report



Flight Campaign ID: 2017_P2C1

FBO ID & City: Deadhorse Airport (PASC) -
Deadhorse, AK

Domain: 18

Sites Flown: TOOL

Days left in Domain: 0

Flight Hours: 04:45

Hours until maintenance: 79.35

Date: 2017-07-28

Report Author: Ivana Vu

Pilots: Grant Frost, Kyler Dalton

Flight Crew: Ivana Vu, Michael Wussow

Ground/GPS: John Adler (D19)

Additional Personnel: None

GPS Instruments:

04 - PASC, Toolik - TOOL

Summary:

For the first time since we arrived in D18, weather in northern Alaska was clear during our ideal solar angle window. All airshed lines and half of the TOS boundary lines in the Priority 1 Toolik flight box were re-collected under green conditions. Tomorrow, the aircraft will transit to D19 (Fairbanks, AK).

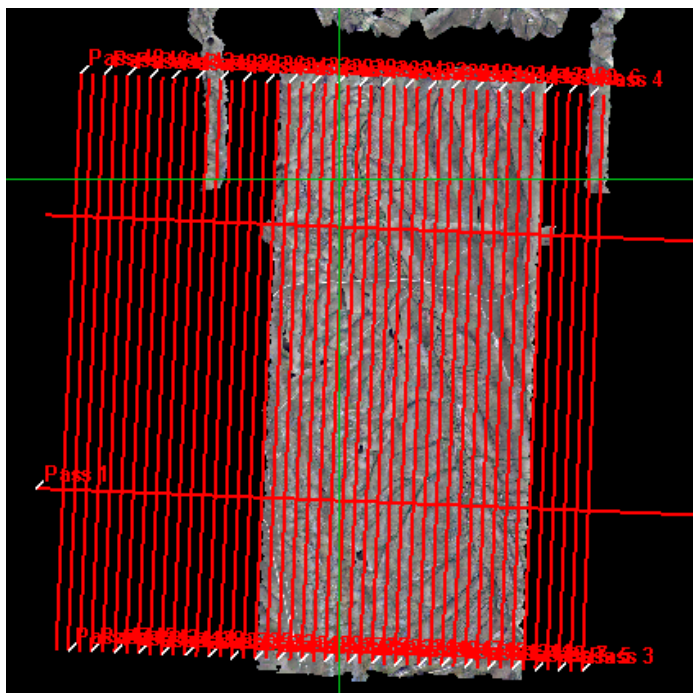
Issues/Concerns:

Planned military "GPS interference testing" in Alaska is scheduled to begin next week – crew will attempt to collect flyority 2 site, Delta Junction (DEJU), on Sunday because of this. Tristan has been notified of potential GPS jamming and we will assess the situation as necessary.

Comments:

- Collected lines 9-30 at TOOL (Green: <10% cloud cover)
- Data from today's flight will be processed tomorrow after the transit
- Aircraft has been packed with all support equipment – nothing will be sent from Deadhorse due to expected shipping delays
- Mike will travel to D19 tomorrow via commercial air

NIS Screenshot



Pictures:



Figure 1. Sag River near Prudhoe Bay

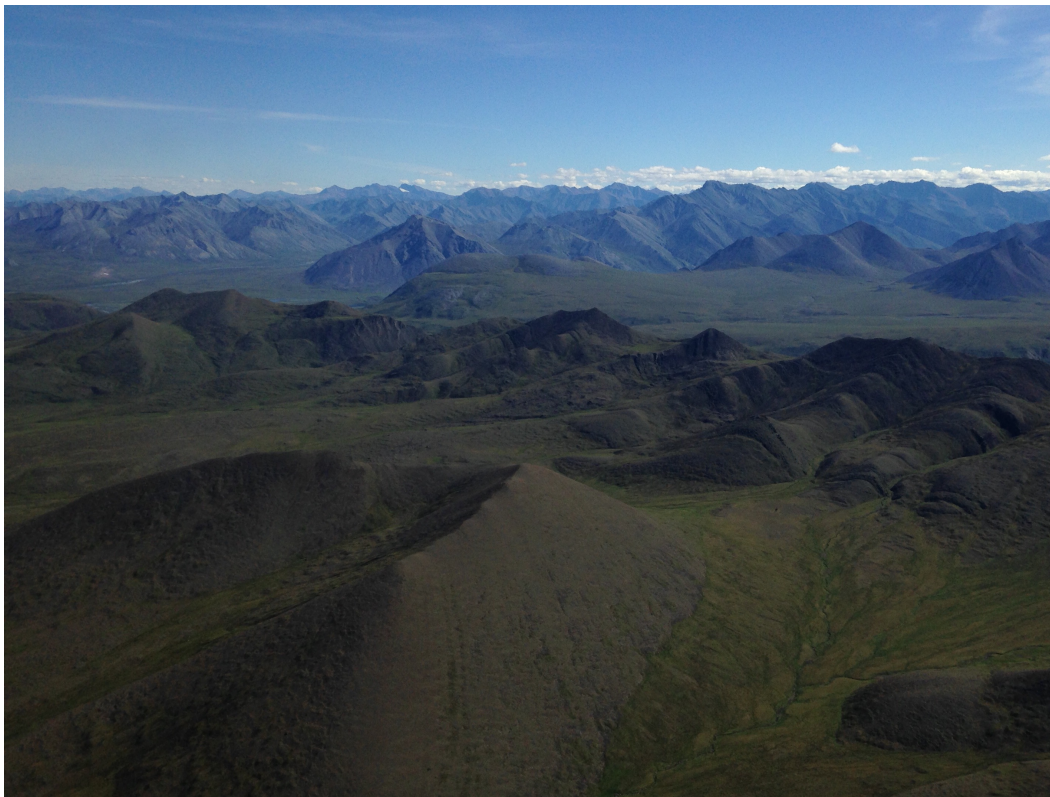


Figure 2. The view while collecting at Toolik Lake Field Station site: north slope of the Brooks Range



Figure 3. Special thanks to Craig Tweedie, colleagues and NSF education grant students for visiting us on short notice late last night in Barrow (the northernmost city in the US)!

Domain Coverage

D18 TOOL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2							NLC
	9							NLC
	10							NLC
	11							NLC
	12							NLC
	13							NLC
	14							NLC
	15							NLC
	16							NLC
	17							NLC
	18							NLC
	19							NLC
	20							NLC
	21							NLC
	22							NLC
	23							NLC
	24							NLC
	25							NLC
	26							NLC
	27							NLC
	28							NLC
	29							NLC
	30							NLC
Completed:	(23/23)							39.66%

Final Cumulative Domain Coverage:

TOOL: Lines 9-30 (Green)

Lines 2-6 / 31-32 / 40-48 (Yellow)

Lines 7-8 / 33-39 (Red)

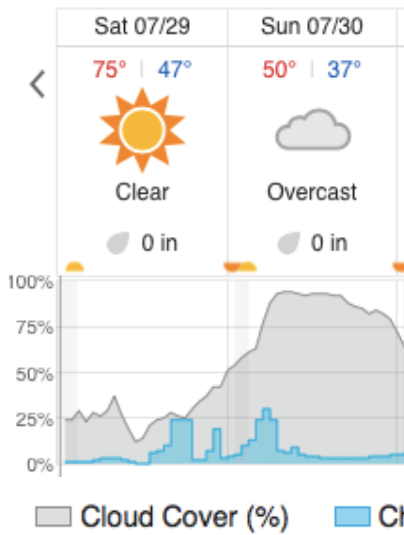
BARR: Line 2-35 (Yellow)* Only southern half collected lines 2-20

OKSR: Lines 2-5 (Yellow)

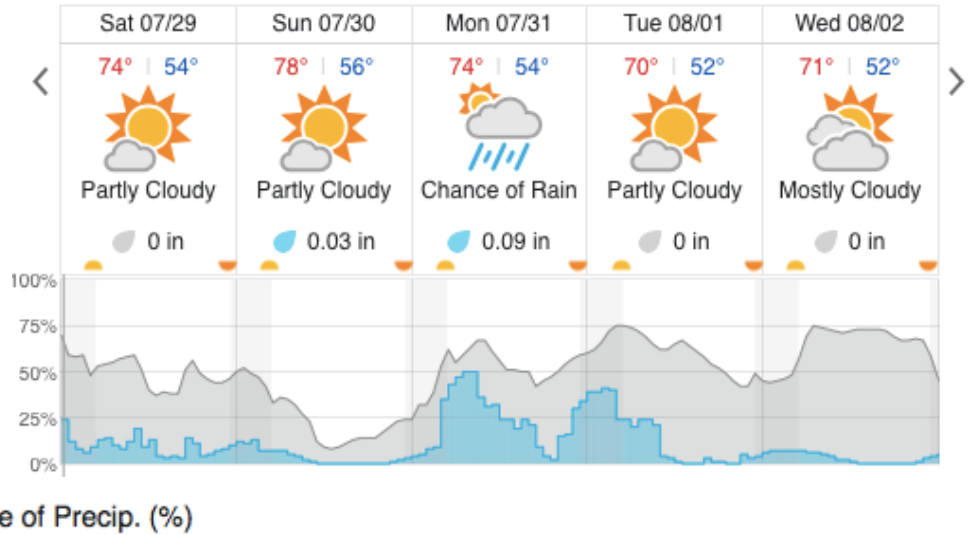
Lines 6-21 (Red)

Weather Forecast

Prudhoe Bay, AK (PASC)



Fairbanks, AK (PAFA)



Flight Collection Plan for 29 July 2017:

Transit to D19 (Fairbanks, AK)

Crew: Ivana Vu

Flight Collection Plan for 30 July 2017:

Flyority 1:

Collection Area: Delta Junction (DEJU)

Flyority 2:

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

Flyority 3:

Collection Area: Healy (HEAL)

Crew

Lidar: Michael Wussow

NIS: Ivana Vu

Ground/GPS: John Adler