



2017 P2C1 Daily Report



Flight Campaign ID: 2017_P2C1

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

Domain: 18

Sites Flown: TOOL, OKSR

Days left in Domain: 10

Flight Hours: 05:00

Hours until maintenance: 90.67

Date: 2017-07-18

Report Author: Michael Wussow

Pilots: Kyler Dalton, Grant Frost

Flight Crew: Michael Wussow, Abe Morrison

Ground/GPS:

Additional Personnel:

GPS Instruments:

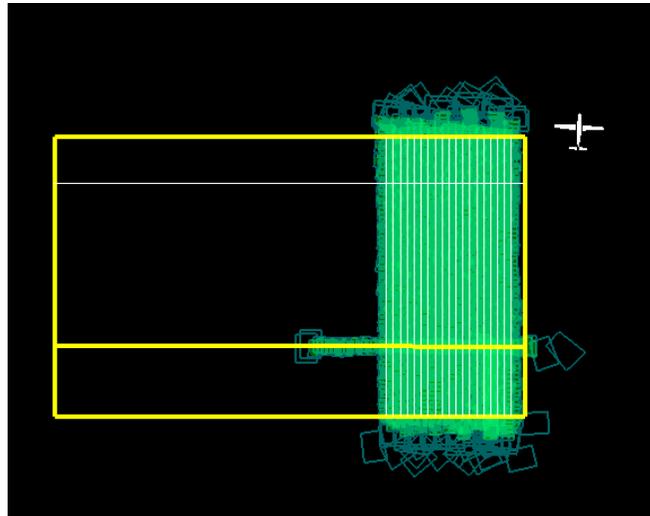
04 - PASC, Toolik - TOOL

Summary: With precipitation forecasted for Barrow and with more favorable cloud levels and the lack of precipitation throughout the day at TOOL and OKSR, a survey was conducted at TOOL and OKSR. The four remaining lines at TOOL and the entire survey box at OKSR were surveyed under yellow and red conditions. Initial (non-green) collections of TOOL and OKSR have been completed. The focus will move to Barrow, unless clear conditions are present.

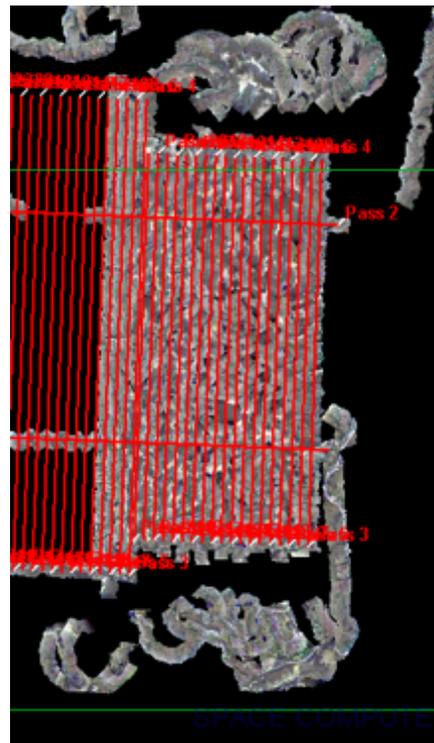
Issues/Concerns: Fernando, Andrew, and Dave were able to VPN into the Hotel Kit and think they have solved the waveform and C drive extraction issue. This extraction for this data set will test to see if it is working properly.

Comments: Shipments from the lower 48 finally arrived!

NIS/Lidar Screenshot:

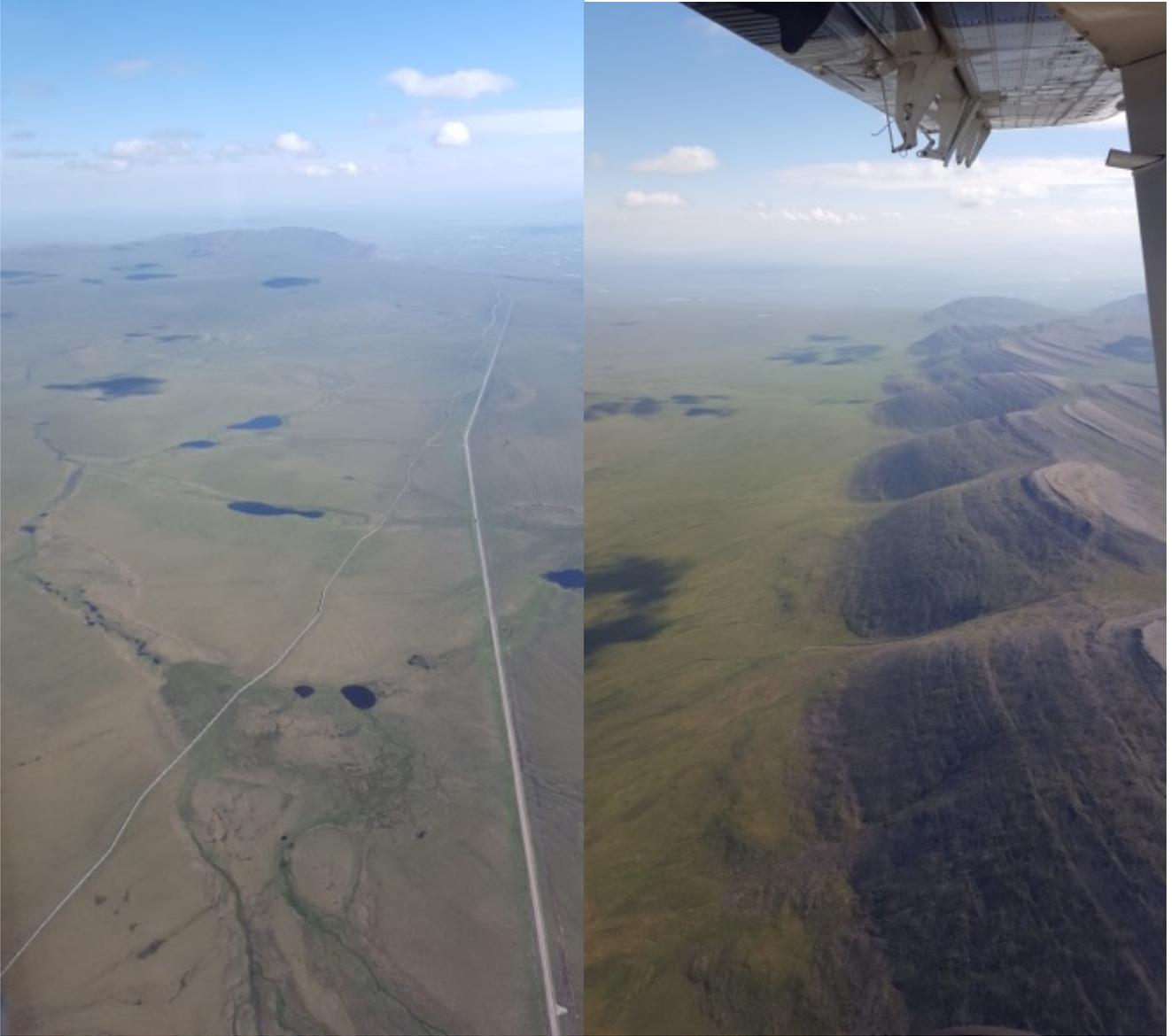


Lidar Screenshot-Note: Last four lines of TOOL not shown on west side. Only OKSR



NIS Screenshot: West side of TOOL and entire OKSR box

Pictures:



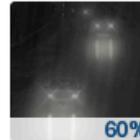
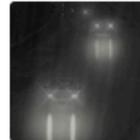
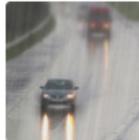
Left: The Dalton Highway alongside the Alaskan Pipeline, **Right:** Northern foothills leading to the Brooks Range



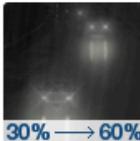
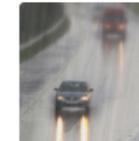
Above: The northern side of the Brooks Range, looking east

Weather Forecast:

Sagwon, AK

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
20%	50%	70%	60%	50%		
Mostly Cloudy then Isolated Showers	Scattered Showers	Showers Likely	Rain Likely	Chance Rain	Chance Rain	Chance Rain
High: 75 °F	Low: 47 °F	High: 56 °F	Low: 38 °F	High: 55 °F	Low: 38 °F	High: 56 °F

Barrow, AK

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
60%	30% → 60%	70%	30%	40% 40%		
Rain Likely and Areas Fog	Chance Rain and Areas Fog then Rain Likely and Areas Fog	Rain Likely and Areas Fog	Chance Rain/Snow and Areas Fog	Chance Rain/Snow then Chance Rain	Chance Rain	Chance Rain
High: 48 °F	Low: 39 °F	High: 43 °F	Low: 35 °F	High: 41 °F	Low: 36 °F	High: 42 °F

Flight collection Plan for 19 and 20 July 2017:

Flyority 1: If Green Conditions Exist

Collection Area: Toolik – Priority 1 Flight Box

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On Station: 1110L / 1910 UTC

Flyority 2:

Collection Area: Barrow Environmental Observatory – Priority 1 Flight Box

Flight Plan Name: D18_BARR_R1_P1_v3.pln

On Station: 1210L / 2010 UTC

Flyority 3: If Green Conditions exist

Collection Area: Oksrukuyik Creek

Flight Plan Name: D18_OKSR_A1_P1_v1.pln

On Station: 1110L / 1910 UTC

Flyority 4:

Collection Area: Barrow Environmental Observatory – Priority 2 Flight Box

Flight Plan Name: D18_BARR_R1_P 2_v3.pln

On Station: 1210L / 2010 UTC

Crew: Abe Morrison, Michael Wussow

Domain Coverage

D18 OKSR	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							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
Completed:	(0/20)							NaN%
D18 TOOL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
Completed:	(0/5)							0.00%