



July 23, 2018 Payload 2 Daily Flight Report



Date: 2018-07-23

Flight Campaign ID: 2018_P2C1

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

Domain: 18

Sites Flown: TOOL (Toolik)

Days left in Domain: 2

Report Author: Ivana Vu

Flight Crew: Ivana Vu, Michael Wussow

Ground/GPS: John Adler

Pilots: Gian Carey, Hans Germann

Additional Personnel: None

GPS Instruments: 02 - FBO_PASC, U-AB45, U-TLK2

Flight Hours: 03:15

Hours until maintenance: 74.13

Summary

Due to limited time left in the domain, crew dodged rain showers to get initial coverage at Toolik and completed 9 lines under red sky conditions. Low cumulus clouds, rain and fog prevented a 2nd flight in the afternoon. Thanks to the pilots for keeping our instruments dry!

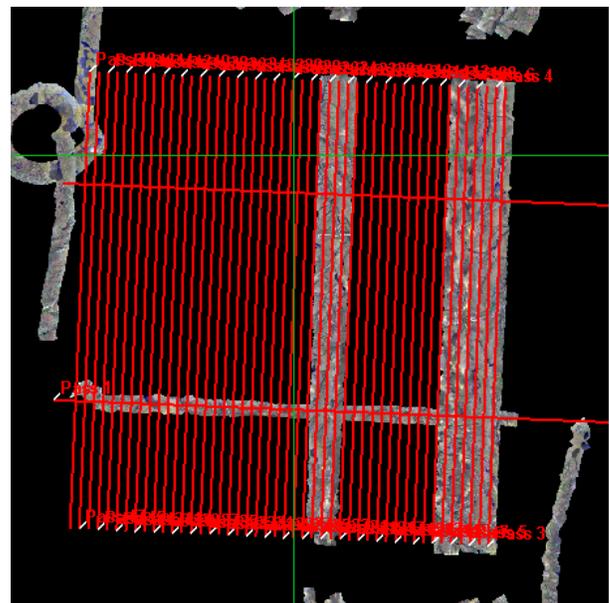
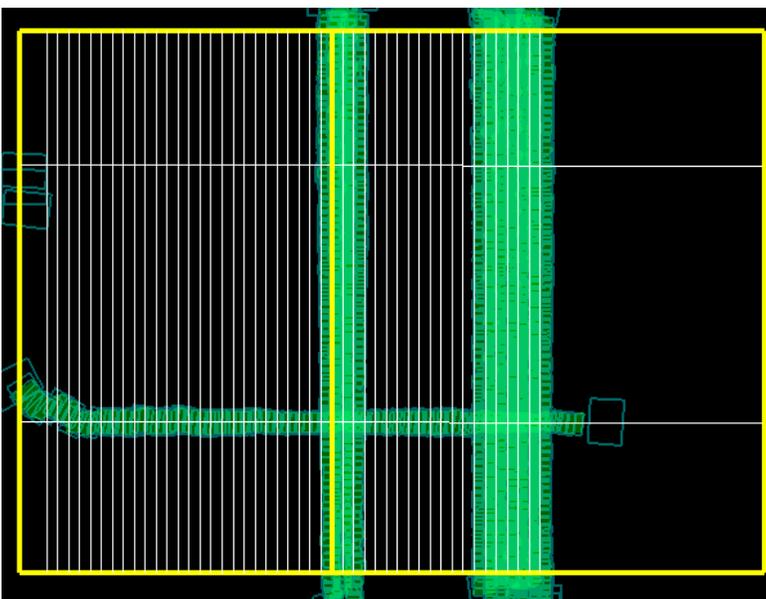
Concerns

Hotel Kit waveform extraction failed; HQ is aware of the issue

Comments

RAID 2018_P2C1_14 was shipped to the Denver data center

Flight Screenshots



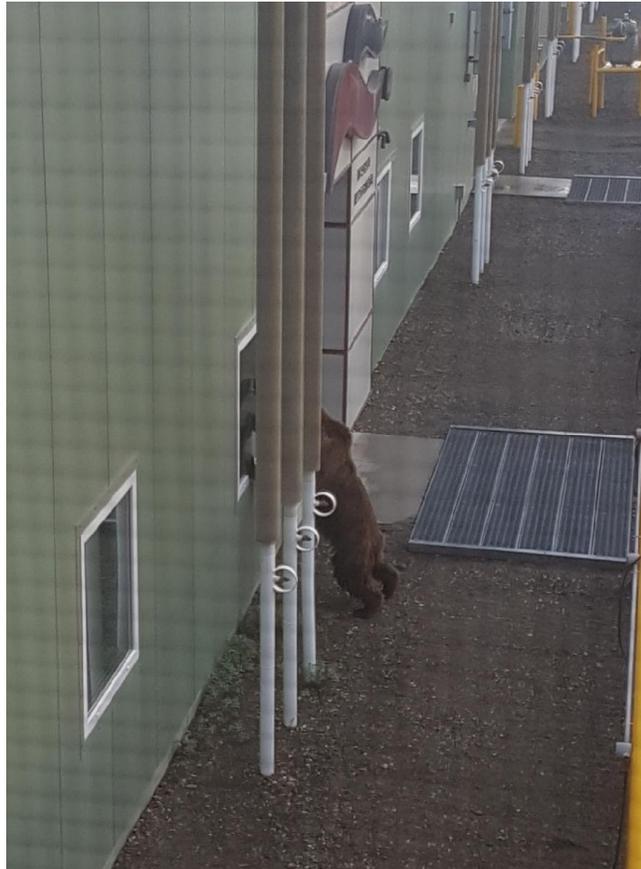
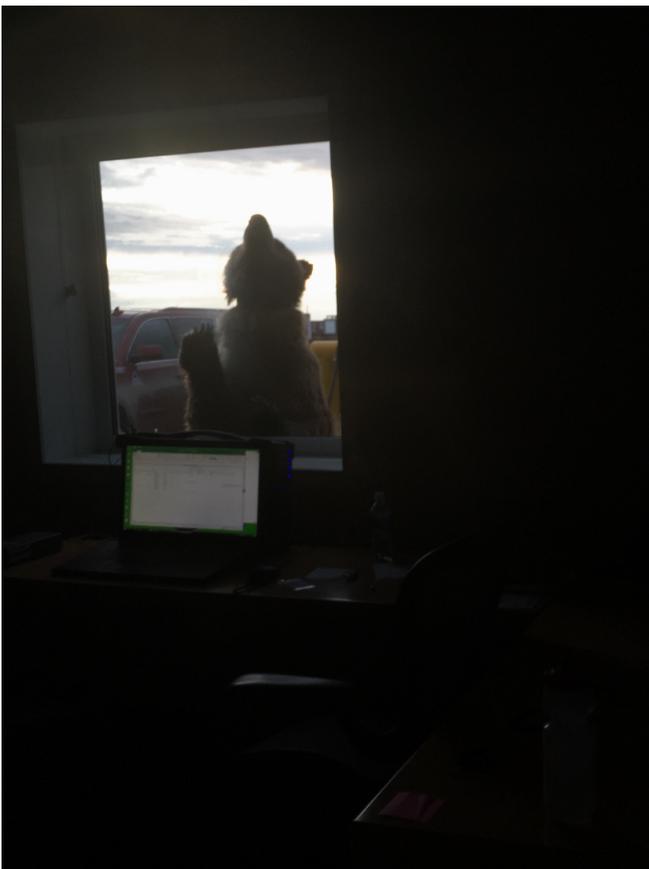
Pictures

The Hotel Kit Room had an unexpected visitor at 10:30pm yesterday: a juvenile brown bear! (Photo credit: John Adler)

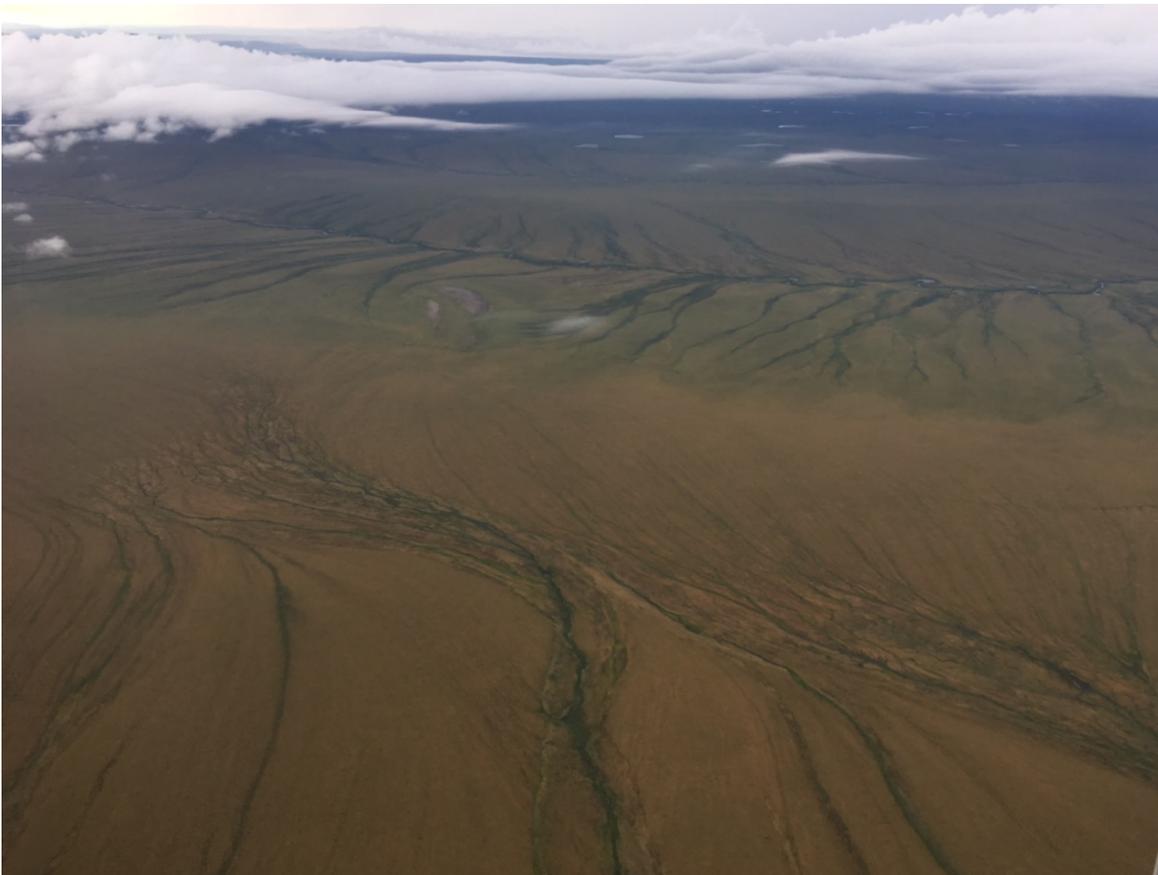


Bottom Left: Curious about why the QAQC was taking so long?

Right: Outside view (Photo credit: another DAC resident who witnessed the incident from his 2nd floor room)



Toolik site with interesting patterns of water flow



Northern edge of the Brooks Range



Daily Coverage

D18 TOOL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
Flown:	10							

Cumulative Domain Coverage

BARR_P1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35						

Flown: 66% (23/35)

Green: 9% (3/35)

Yellow: 54% (19/35)

Red: 9% (3/35)

BARR_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Flown: 0% (0/15)

Green: 0% (0/15)

Yellow: 0% (0/15)

Red: 0% (0/15)

N18A

1

Flown: 100% (1/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 100% (1/1)

TOOL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48												

Flown: 75% (36/48)

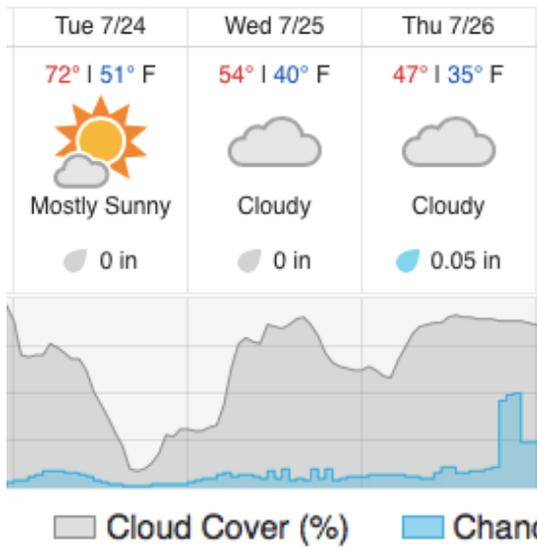
Green: 0% (0/48)

Yellow: 0% (0/48)

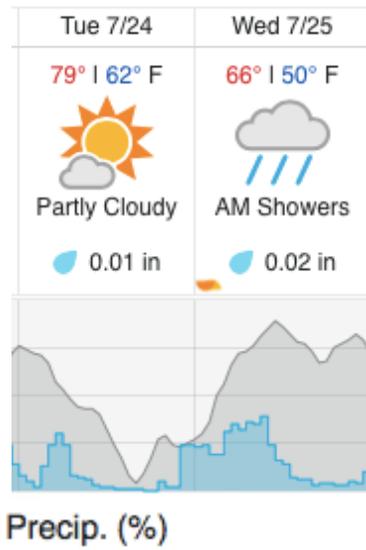
Red: 79% (38/48)

Weather Forecast

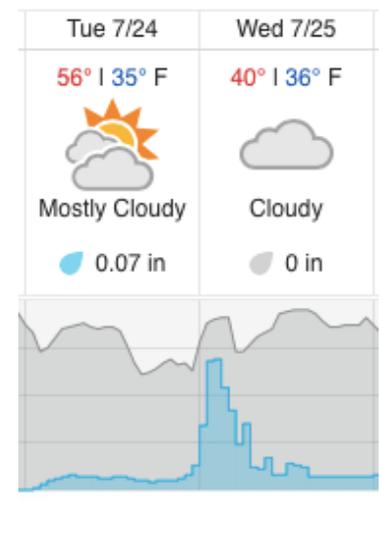
Prudhoe Bay, AK (FBO)



Alyeska Pipeline, Pump Station 2, AK (TOOL)



Barrow, AK (BARR)



Flight Collection Plan for 24 July 2018

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1930 UTC / 1130 L

Flyority 2:

Collection Area: Barrow Environmental Observatory – Priority 1 Flight Box (BARR_P1)

Flight Plan Name: D18_BARR_R1_P1_v3.pln

On-station Time: 2030 UTC / 1230 L

Flyority 3:

Collection Area: Barrow Environmental Observatory – Priority 2 Flight Box (BARR_P2)

Flight Plan Name: D18_BARR_R1_P2_v3.pln

On-station Time: 2030 UTC / 1230 L

Crew: John Adler (Lidar), Ivana Vu (NIS), Michael Wussow (Ground)

Flight Collection Plan for 25 July 2018

Flyority 1:

Same as previous day

Crew: Ivana Vu (Lidar), John Adler (NIS), Mike Wussow (Ground)

Mike Wussow departs D18 for D19

Flight Collection Plan for 26 July 2018

Aircraft transits to D19 (Fairbanks, AK)