



July 21, 2018 Payload 2 Daily Flight Report



Date: 2018-07-21

Flight Campaign ID: 2018_P2C1

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

Domain: 18

Sites Flown: TOOL (Toolik)

Days left in Domain: 4

Report Author: John Adler

Flight Crew: John Adler, Michael Wussow

Ground/GPS: None

Pilots: Gian Carey, Hans Germann

Additional Personnel: None

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

Flight Hours: 03:06

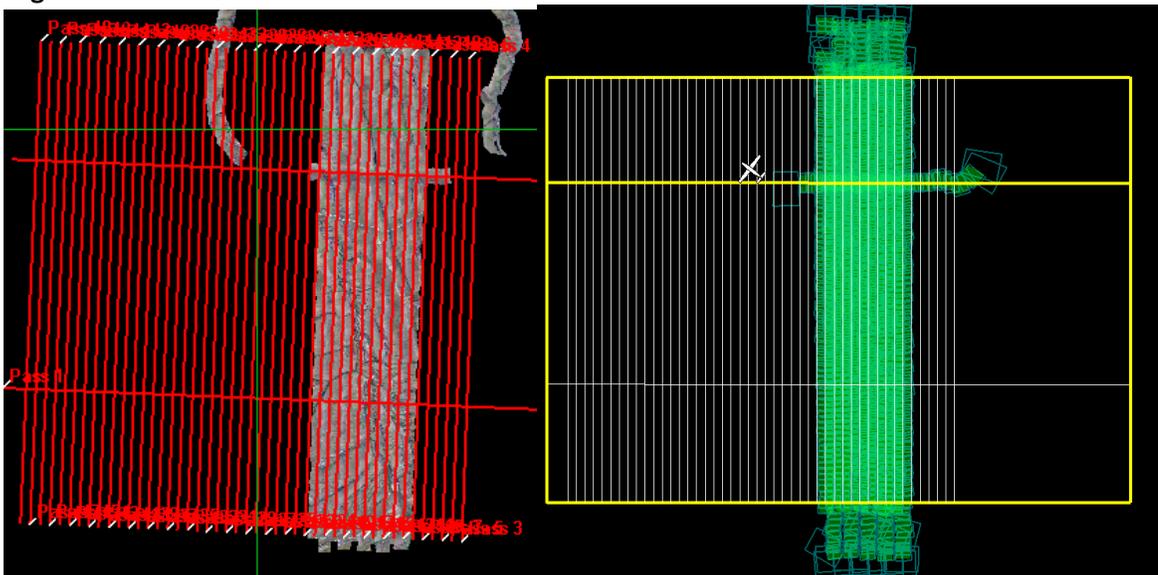
Hours until maintenance: 77.38

Summary: While there were high level clouds throughout the Toolik area, we continued the collection effort getting useable discrete and waveform lidar data. Unfortunately, the spectrometer data was collected under red conditions.

Concerns: None.

Comments: Hoping to have final resolution on the data for disc sets 07, 08, and 11 before we leave on Thursday. Ivana Vu arrived back in Deadhorse after travelling all day.

Flight Screenshots:



Pictures:



Cliffs along the Sag River.

Daily 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
Flown:	11							

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)

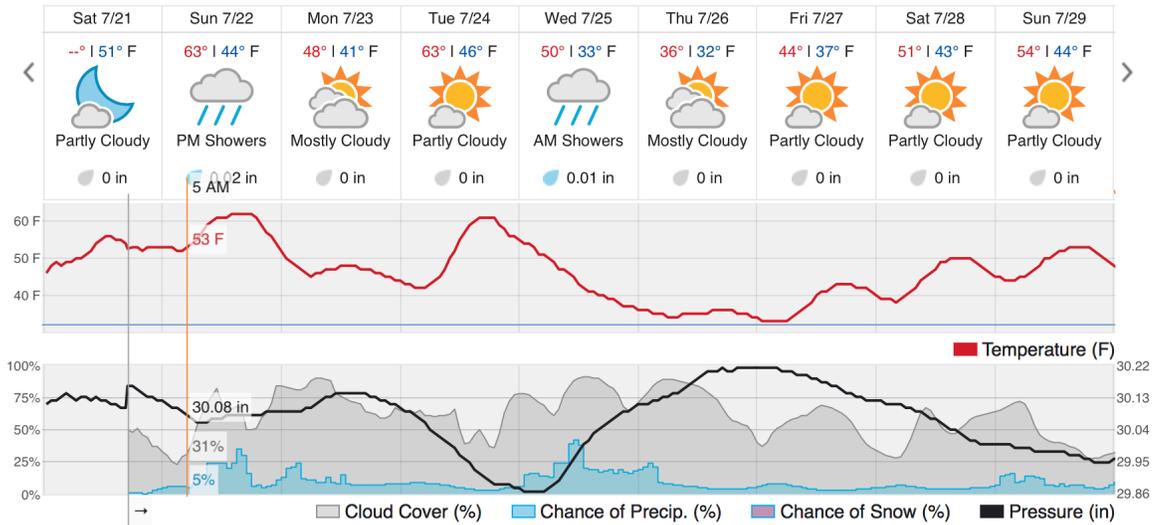
TOOL

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													

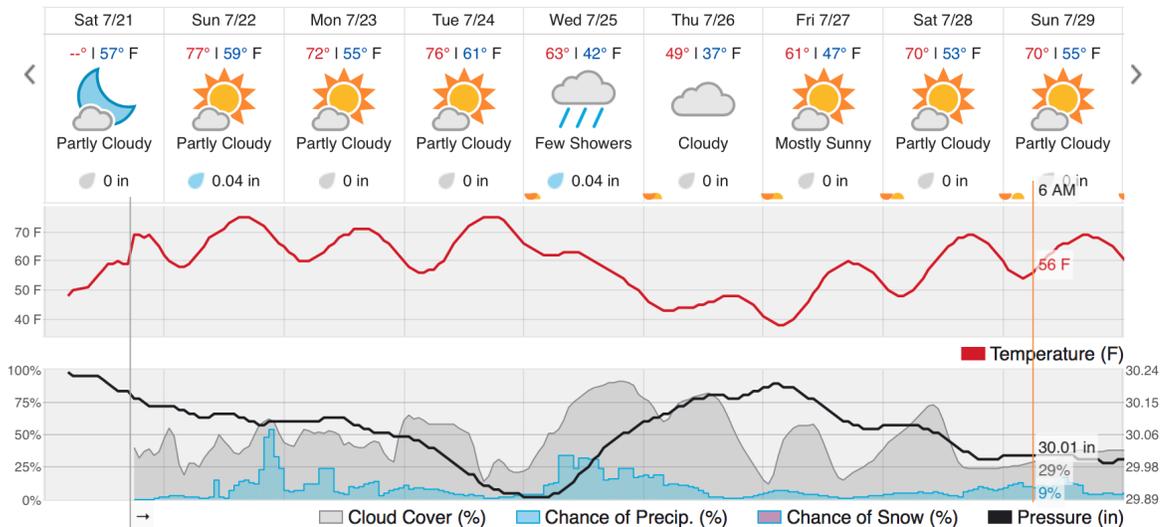
Flown: 54% (26/48)
 Green: 0% (0/48)
 Yellow: 0% (0/48)
 Red: 54% (26/48)

Weather Forecast

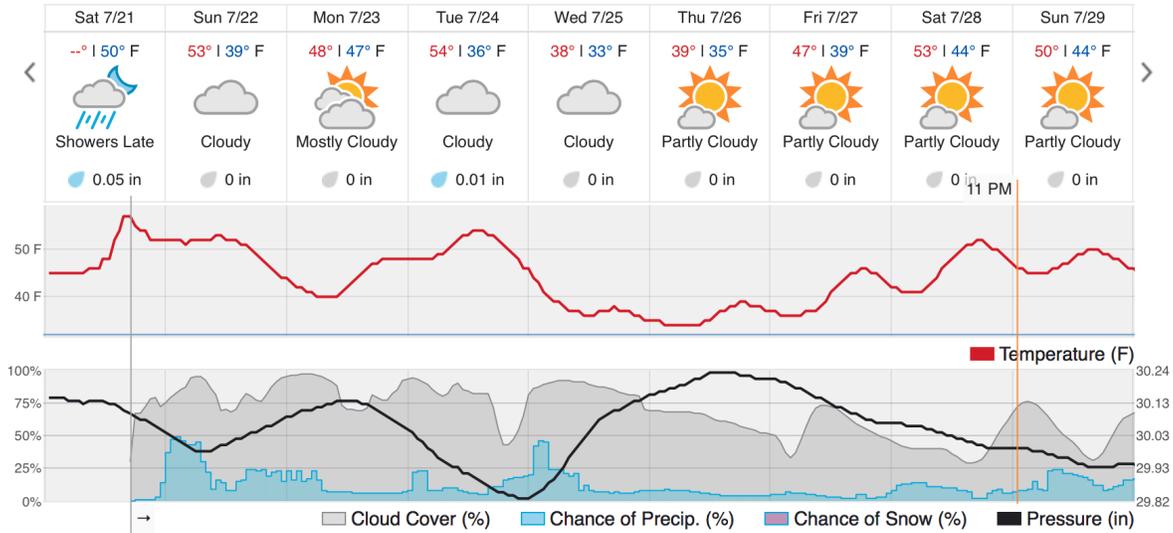
Prudhoe Bay, AK (FBO)



Alyeska Pipeline, Pump Station 2, AK (TOOL)



Utqiagvik (Barrow), AK (BARR)



Flight Collection Plan for 22 July 2018

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1920 UTC / 1120 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: 2010 UTC / 1210 L

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

Flight Collection Plan for 23 July 2018

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1920 UTC / 1120 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: 2020 UTC / 1220 L

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