



July 11, 2019 Payload 2 Daily Flight Report



Date: 2019-07-11

Flight Campaign ID: 2019_P2C1

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

Domain: 18

Sites Flown: TOOL (Toolik)

Days left in Domain: 15

Report Author: Matt Devoe

Flight Crew: Matt Devoe, Michael Wussow

Ground/GPS: None

Pilots: Stephen Brawders, Mark Solper

Additional Personnel: None

GPS Instruments: 03 - FBO_PASC, U-AB45, U-TLK2

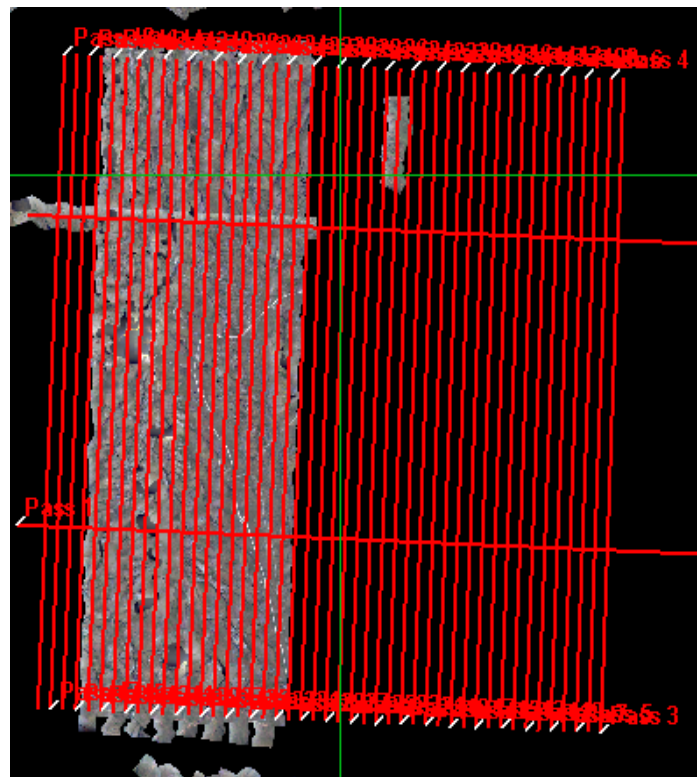
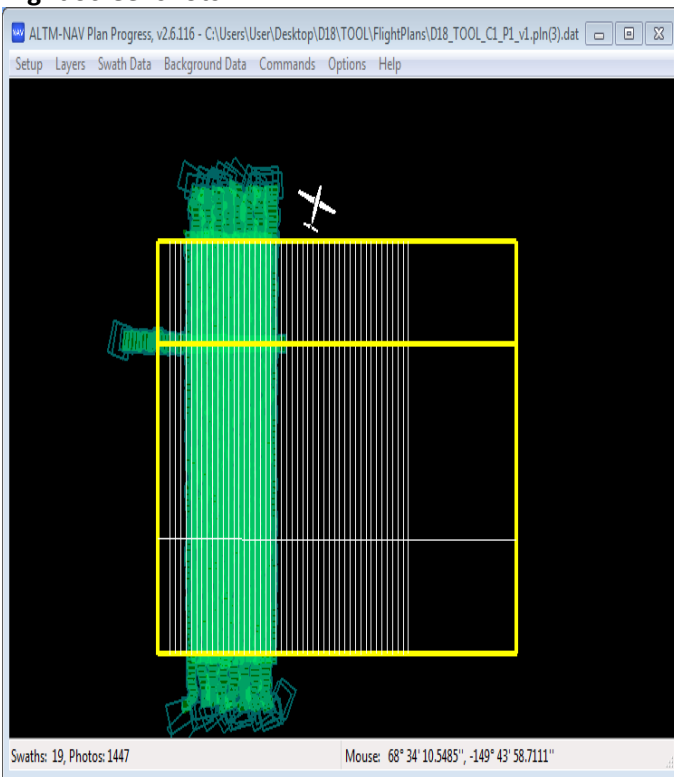
Flight Hours: 04:04

Hours until maintenance: 59.07

Summary

Flight crew completed 16 lines plus a cross strip under red cloud conditions.

Flight Screenshots



Pictures



Toolik Lake Field Station

Daily Coverage

D18 TOOL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
	43				✓	✓	✓	NLC
	44				✓	✓	✓	NLC
Flown:	17							

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: 31% (11/35)

Green: 0% (0/35)

Yellow: 31% (11/35)

Red: 0% (0/35)

BARR_P2

36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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Flown: 0% (0/15)

Green: 0% (0/15)

Yellow: 0% (0/15)

Red: 0% (0/15)

N18A

1

Flown: 0% (0/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 0% (0/1)

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: 90% (43/48)

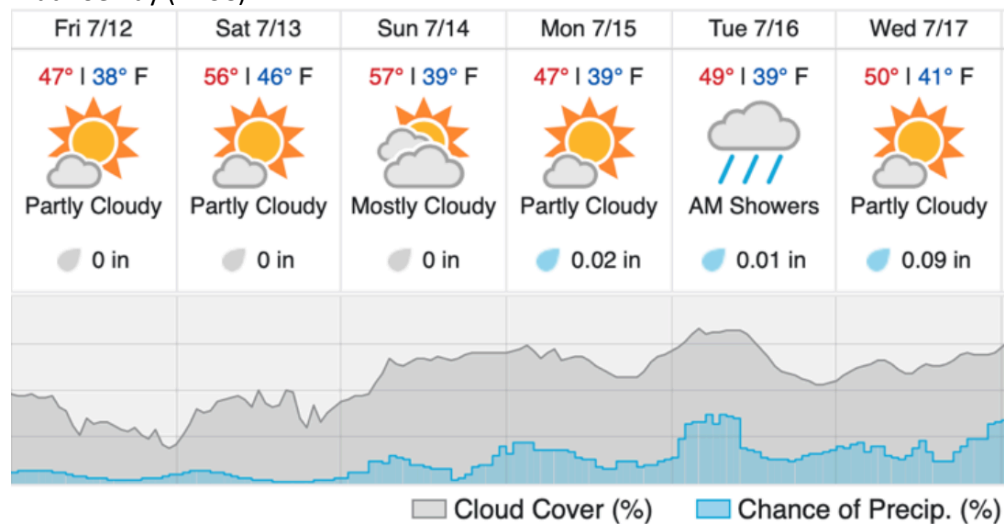
Green: 0% (0/48)

Yellow: 23% (11/48)

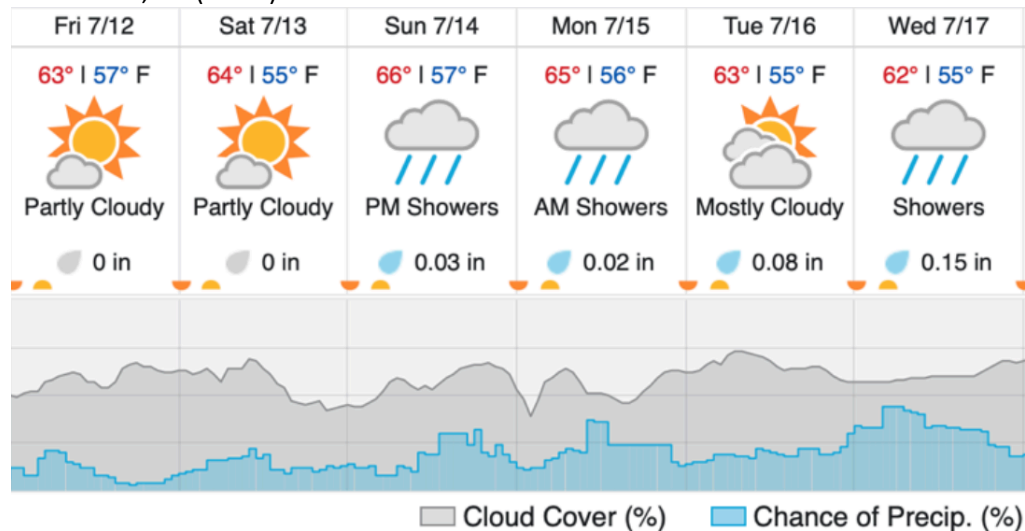
Red: 71% (34/48)

Weather Forecast

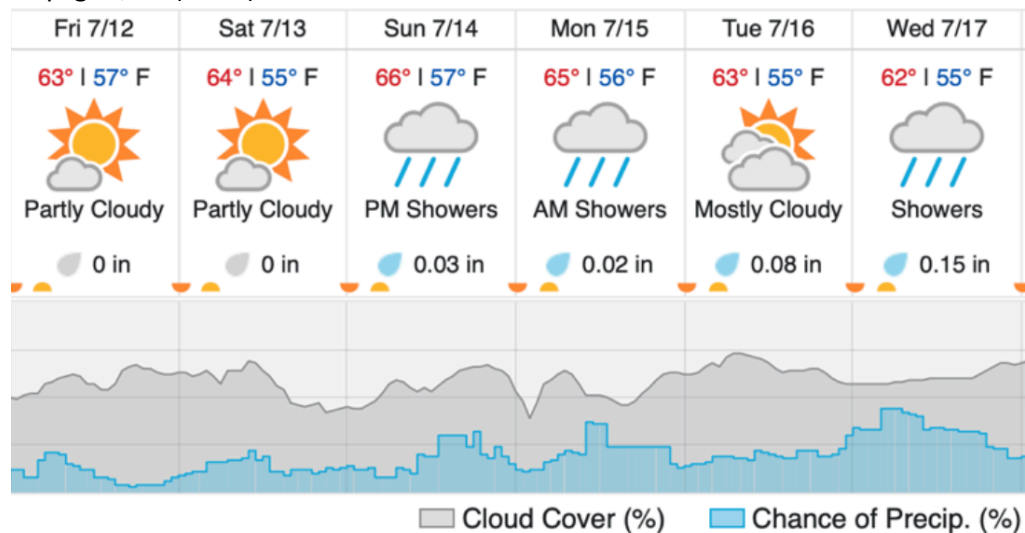
Prudhoe Bay (PASC)



Toolik Lake, AK (TOOL)



Utqiagvik, AK (BARR)



Flight Collection Plan for 12 July 2019

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1840 – 0120 UTC / 1040 – 1720 L (35° solar angle)

Flyority 2:

Collection Area: Barrow Environmental Observatory (BARR) - Priority 1 Flight Box

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v4.pln

On-station Time: 1930 – 0130 UTC / 1130 – 1730 L (35° solar angle)

Flyority 3:

Collection Area: Barrow Environmental Observatory (BARR) - Priority 2 Flight Box

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v4.pln

On-station time: 1930 – 0130 UTC / 1130 – 1730 L (35° solar angle)

Flyority 4

Collection Area: Barrow Environmental Observatory (BARR) - Priority 3 Flight Box

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v4.pln

On-station time: 1930 – 0130 UTC / 1130 – 1730 L (35° solar angle)

Flyority 5

Collection Area: Barrow Environmental Observatory (BARR) - Priority 1 Flight Box – 750m AGL Initial Collect

Flight Plan Name: D18_BARR_R1_P1_v3b_760m_AGL.pln (use only if cloud heights do not permit flights at 1000m AG)

On-station time: 1930 – 0130 UTC / 1130 – 1730 L (35° solar angle)

Flyority 6

Collection Area: Nominal Runway – D18

Flight Plan Name: D18_N18A_Nominal_Runway_Test_v1.pln

On-station time: N/A

Crew: Michael Wussow (Lidar), Matt DeVoe (NIS)

Flight Collection Plan for 13 July 2019

Flyority 1-6: Same as previously briefed

Crew: Matt DeVoe (Lidar), Michael Wussow (NIS)