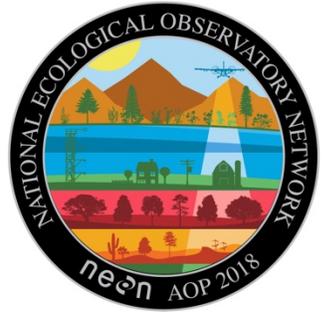




July 20, 2018 Payload 2 Daily Flight Report



Date: 2018-07-20

Flight Campaign ID: 2018_P2C1

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

Domain: 18

Sites Flown: N18A (D18 Nominal Runway), TOOL (Toolik)

Days left in Domain: 5

Report Author: Michael Wussow

Flight Crew: Michael Wussow, John Adler, None

Ground/GPS: None

Pilots: Hans Germann, Gian Carey

Additional Personnel: None

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

Flight Hours: 02:09

Hours until maintenance: 80.48

Summary

With better weather today than in the previous week and the time remaining in D18 dwindling, we attempted a flight at Toolik to collect red data. Unfortunately, we were only able to collect two lines before the cloud deck lowered into our survey altitudes. The nominal runway over the Deadhorse airport was completed after the Toolik attempt. Barrow had low overcast conditions so a flight there was not possible.

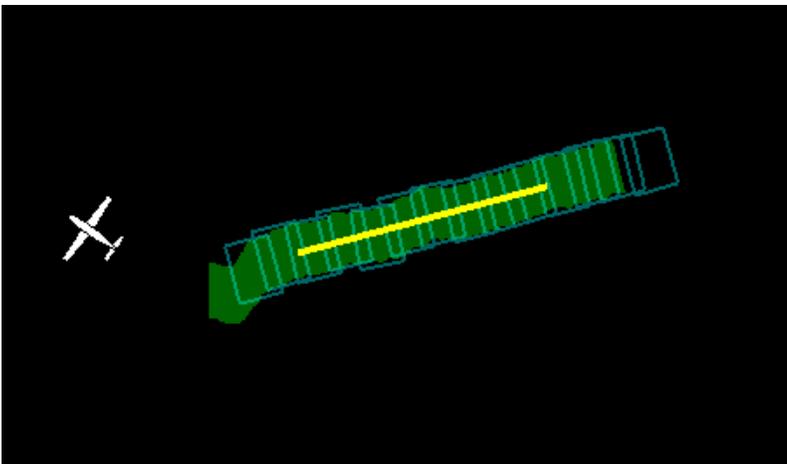
Concerns

“Domain hours remaining” field in the database will not calculate correctly when two sites are entered in the same flight.

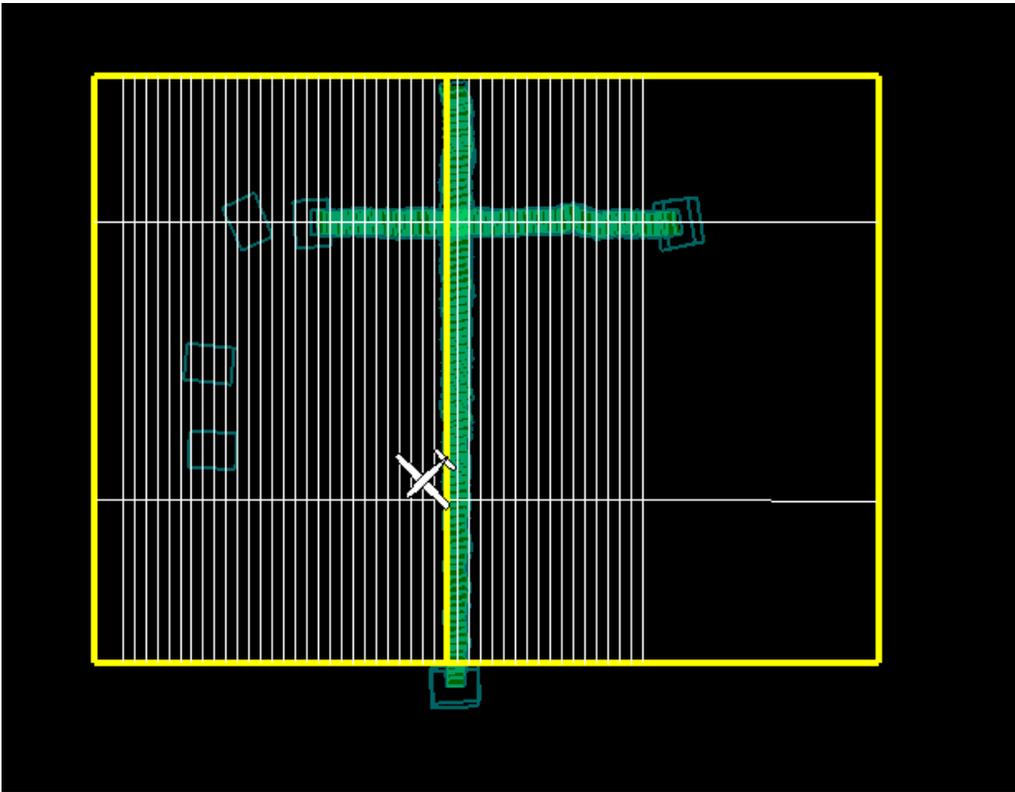
Comments

Ivana Vu will arrive in Deadhorse tomorrow afternoon.

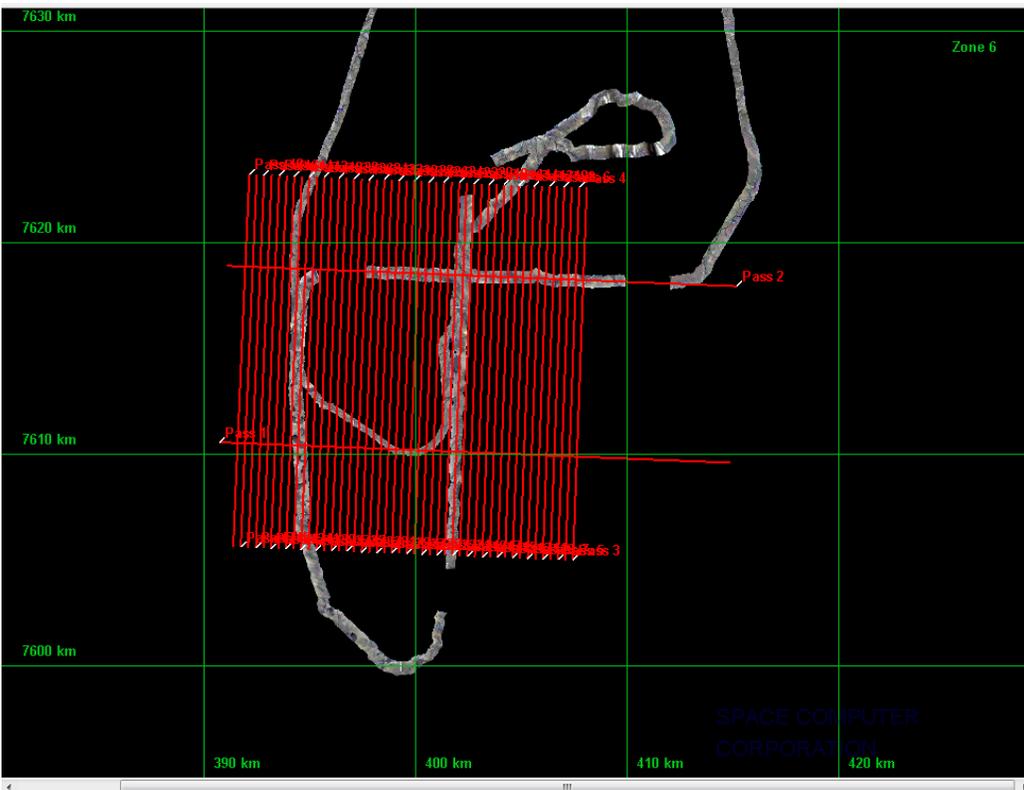
Flight Screenshots



Lidar Screenshot



NIS Screenshot



Pictures



Today's conditions

Daily Coverage

D18 N18A	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
Flown:	1							
D18 TOOL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
Flown:	2							

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

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)

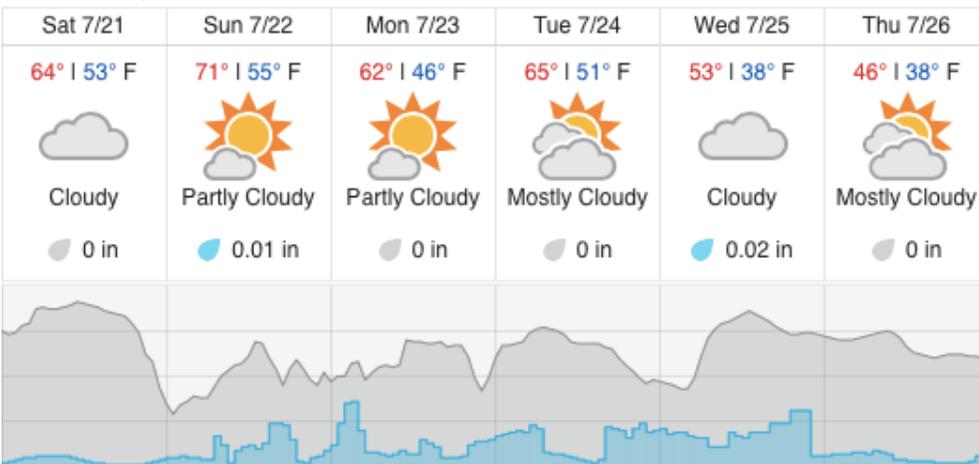
TOOL

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												

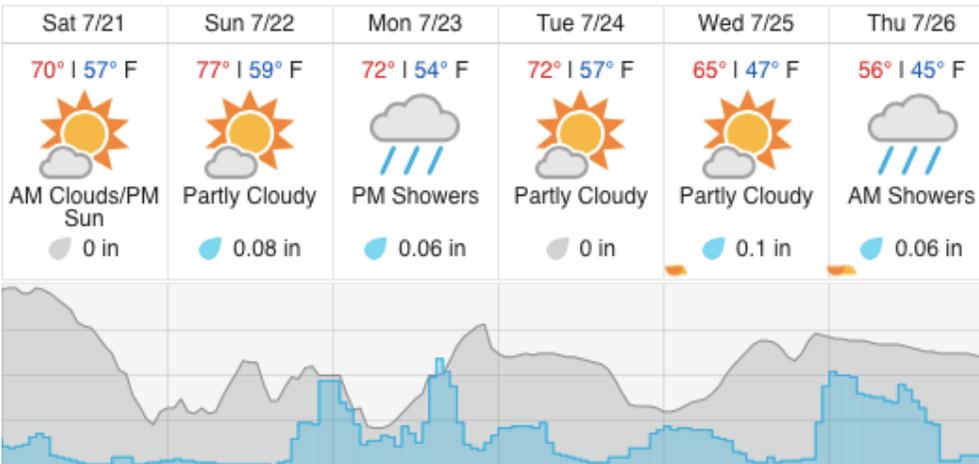
Flown: 33% (16/48)
 Green: 0% (0/48)
 Yellow: 0% (0/48)
 Red: 33% (16/48)

Weather Forecast

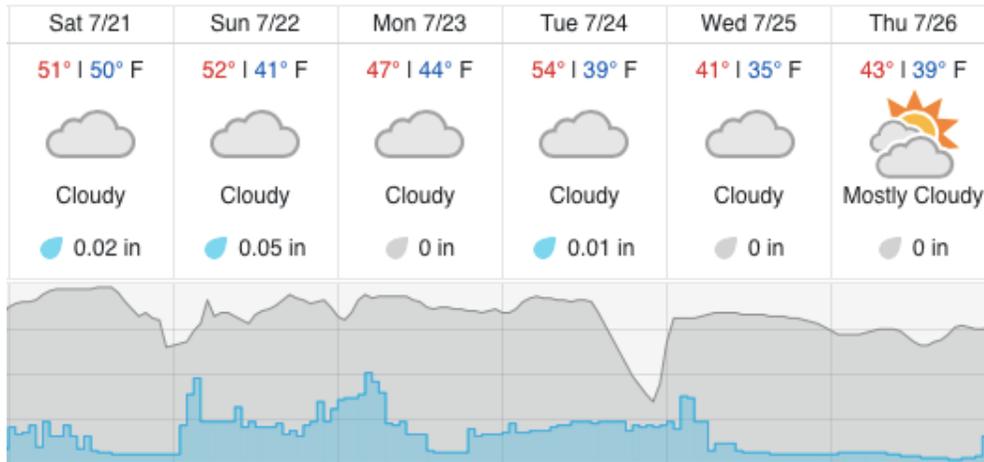
Prudhoe Bay, AK (FBO)



Alyeska Pipeline, Pump Station 2, AK (TOOL)



Barrow, AK (BARR)



Flight Collection Plan for 21 July 2018

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1910 UTC / 1110 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: 2010UTC / 1210 L

Crew: John Adler (Lidar), Michael Wussow (NIS)

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)