



July 23, 2019 Payload 2 Daily Flight Report



Date: 2019-07-23

Flight Campaign ID: 2019_P2C1

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

Domain: 18

Sites Flown: TOOL (Toolik)

Days left in Domain: 3

Report Author: Robb Walker

Flight Crew: Robb Walker, Abe Morrison

Ground/GPS: Michael Wussow

Pilots: Stephen Brawders, Mark Solper

Additional Personnel: None

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

Flight Hours: 02:22

Hours until maintenance: 46.83

Summary

Crew took to the air to complete and improve data at TOOL with webcams indicating “green” conditions. However, sky conditions declined during transit and remaining lines were collected under red conditions.

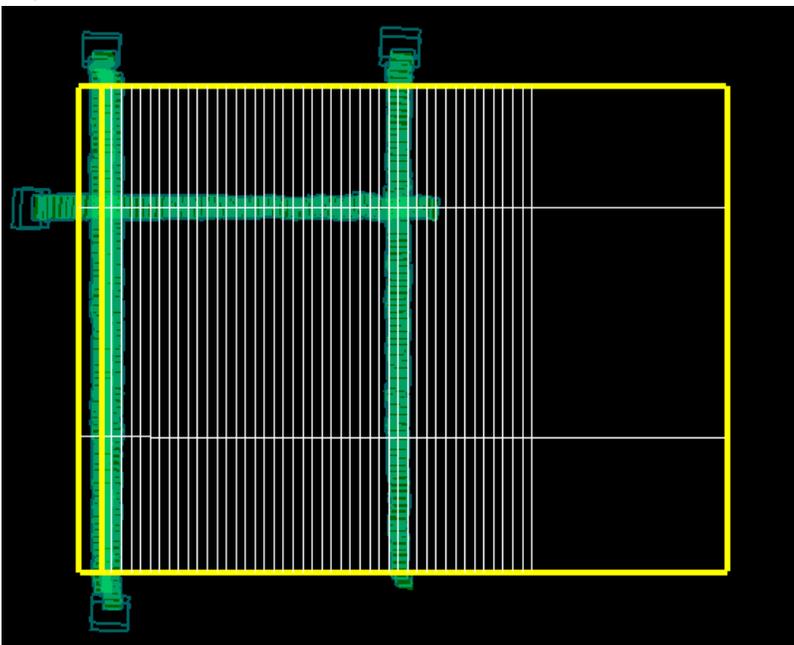
Concerns

None

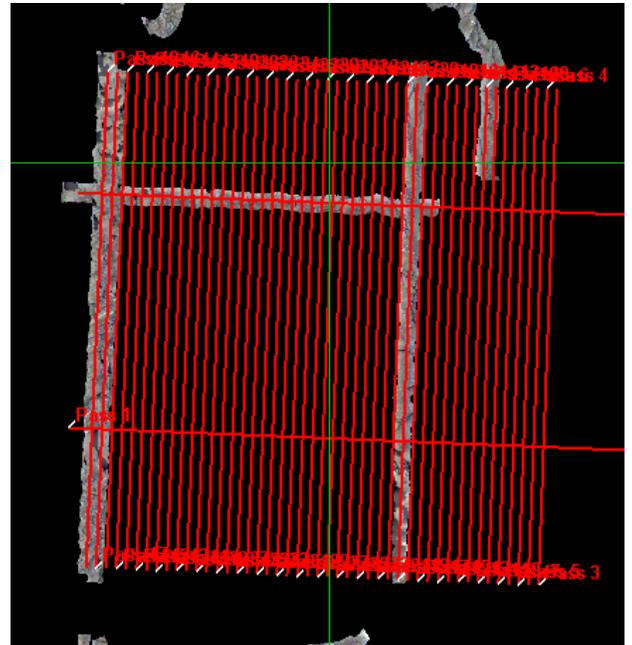
Comments

-Mike Wussow departs tomorrow for time off. Thanks Mike!

Flight Screenshots



Lidar (TOOL)



NIS (TOOL)

Pictures



Brooks Range south of TOOL

Daily Coverage

D18 TOOL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	47				✓	✓	✓	NLC
	48				✓	✓	✓	NLC
Flown:	4							

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: 100% (35/35)
 Green: 0% (0/35)
 Yellow: 100% (35/35)
 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: 127% (19/15)
 Green: 0% (0/15)
 Yellow: 127% (19/15)
 Red: 0% (0/15)

N18A

1

Flown: 100% (1/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 100% (1/1)

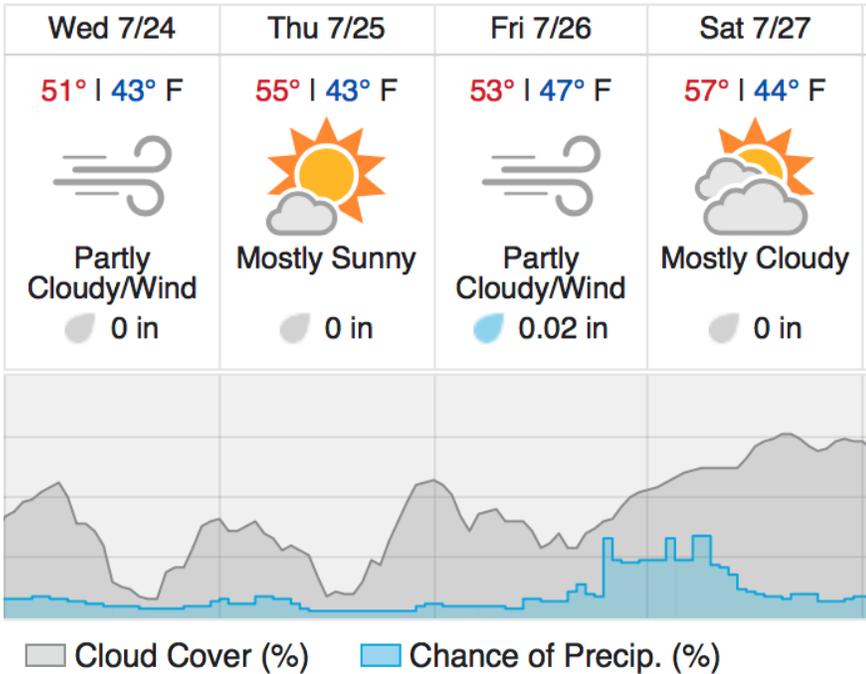
TOOL

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												

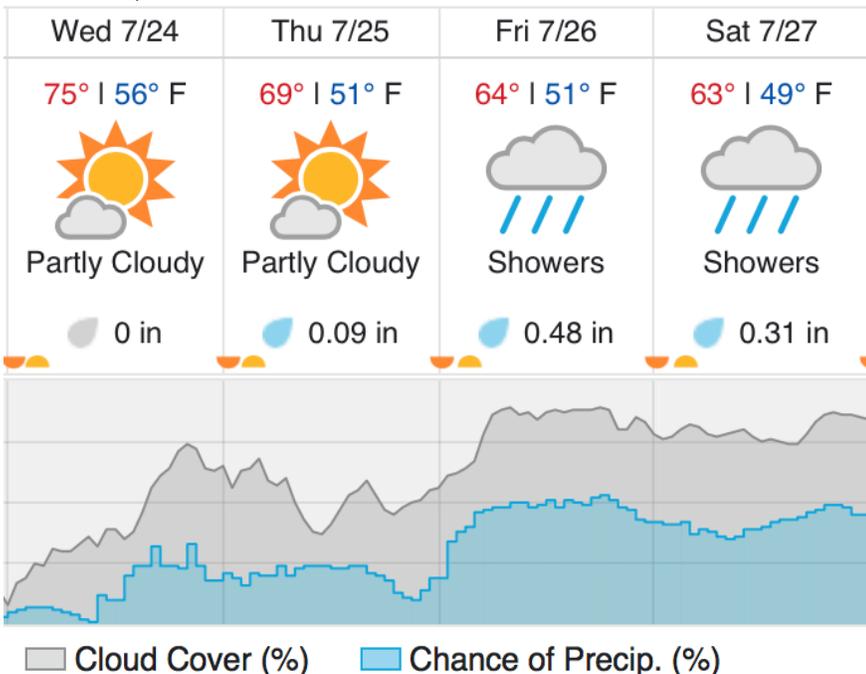
Flown: 98% (47/48)
 Green: 15% (7/48)
 Yellow: 29% (14/48)
 Red: 77% (37/48)

Weather Forecast

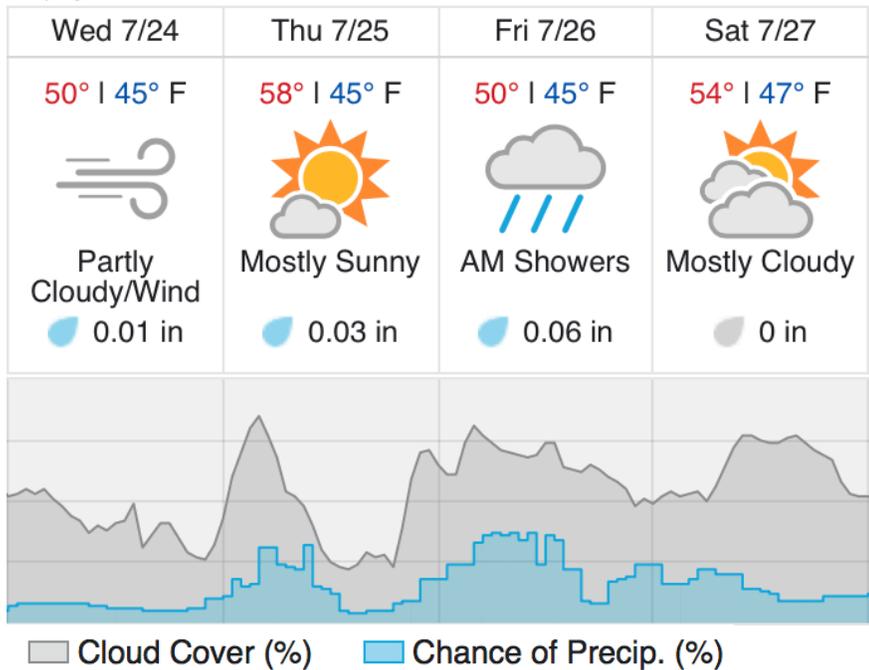
Prudhoe Bay, AK



Toolik Lake, AK



Utqiagvik, AK



Flight Collection Plan for 24 July 2019

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1917 – 0051 UTC / 1117 – 1651 L (35° solar angle)

*Only if Green Conditions Exist

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: 1953 – 0113 UTC / 1153 – 1713 L (35° solar angle)

*Only if Green Conditions Exist

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: 1953 – 0113 UTC / 1153 – 1713 L (35° solar angle)

*Only if Green Conditions Exist

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: 1953 – 0113 UTC / 1153 – 1713 L (35° solar angle)

*Only if Green Conditions Exist

Crew: Abe Morrison (Lidar), Robb Walker (NIS)

Flight Collection Plan for 25 July 2019

Flyority 1-4: Same as previously briefed

Crew: Robb Walker (Lidar), Abe Morrison (NIS)