



July 11, 2018 Payload 2 Daily Flight Report



Date: 2018-07-11

Flight Campaign ID: 2018_P2C1

Airport, FBO ID, City: Wiley Post-Will Rogers Memorial (PABR) - Barrow, AK

Domain: 18

Sites Flown: BARR_P1 (Barrow Environmental Observatory Priority 1)

Days left in Domain: 14

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Ivana Vu

Ground/GPS: Michael Wussow

Pilots: Gian Carey, Hans Germann

Additional Personnel:

GPS Instruments: 02 - FBO_PASC, C-BRW1

Flight Hours: 03:14, 01:27

Hours until maintenance: 82.63

Summary

With help from neon field techs, the crew was able to see that the sky in barrow was favorable for collects. We collected 11 lines under yellow to red sky conditions. Lines 32, and 30-23 were collected as yellow. Lines 22-21 were collected as red.

Concerns

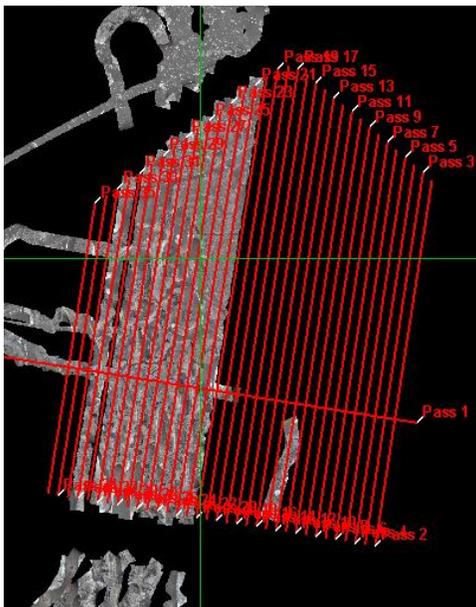
The D-ops software crashed again during today's flight

Comments

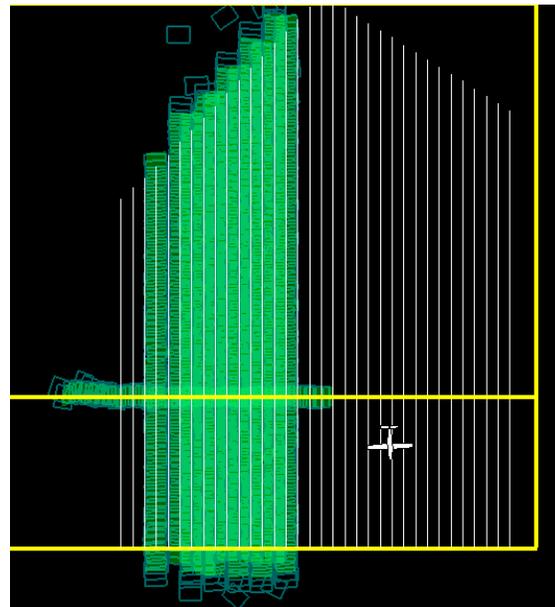
None

Flight Screenshots

NIS



LIDAR



Daily Coverage

D18 BARR_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
Flown:	12							

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

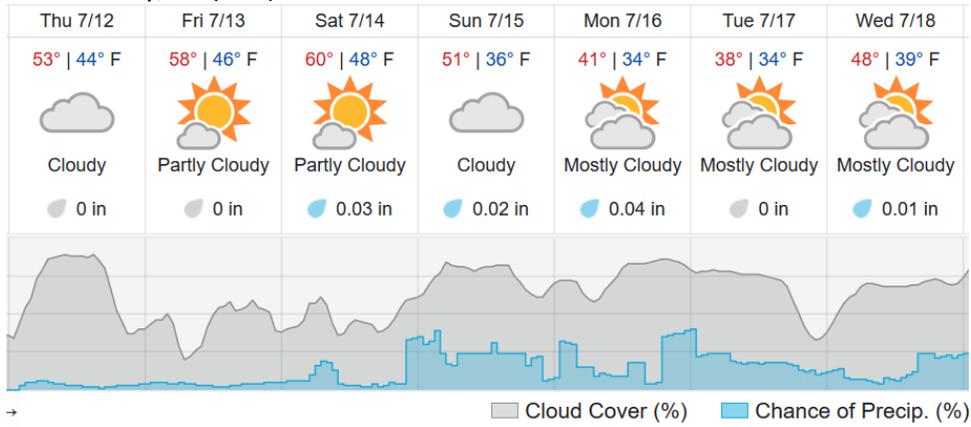
TOOL

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												

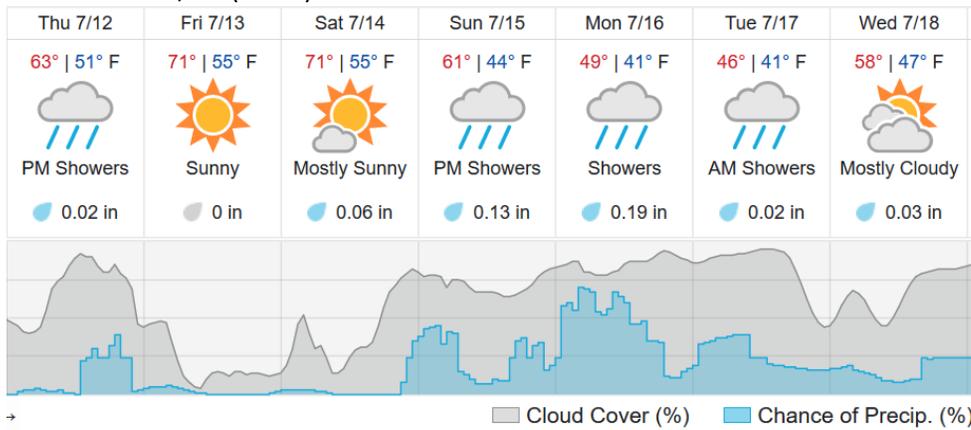
Flown: 31% (15/48)
 Green: 0% (0/48)
 Yellow: 0% (0/48)
 Red: 31% (15/48)

Weather Forecast

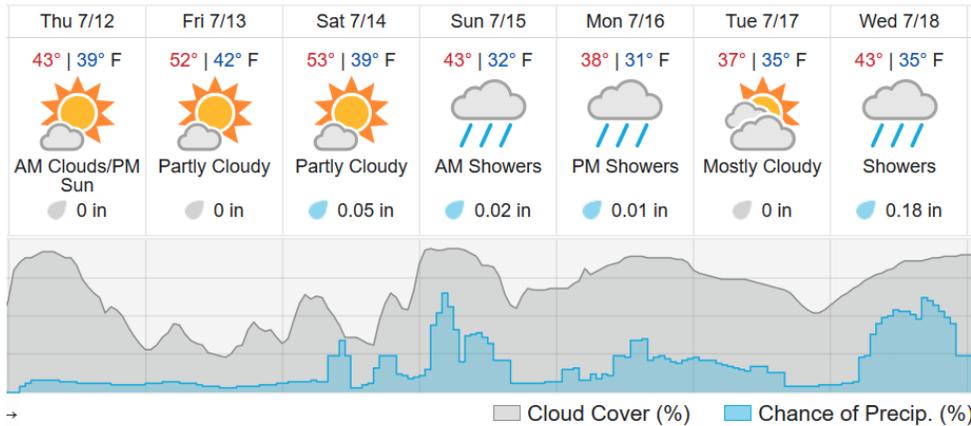
Prudhoe Bay, AK (FBO)



Galbraith Lake, AK (TOOL)



Barrow, AK (BARR)



Flight Collection Plan for 12 July 2018

Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v1.pln

On-station Time: 1850 UTC / 1050 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: 1940 UTC / 1140 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: 1940 UTC / 1140 L

Crew: Mike Wussow (Lidar), Abe Morrison (NIS), Ivana Vu (GPS/Ground)

Flight Collection Plan for 13 July 2018

Scheduled No Fly Day. No flights planned.