



July 13, 2019 Payload 2 Daily Flight Report



Date: 2019-07-13

Flight Campaign ID: 2019\_P2C1

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

Domain: 18

Sites Flown: None

Days left in Domain: 14

Report Author: Matt DeVoe

Flight Crew: Michael Wussow, Matt Devoe

Ground/GPS: None

Pilots: Mark Solper, Stephen Brawders

GPS Instruments: C-BRW1

Flight Hours: 0.0

Hours until maintenance: 55.15

**Summary**

High Cirrus prevented 'greening up' collections in the D18 P1 and P2 areas. No flights were conducted.

**Concerns**

None

**Comments**

None

**Daily Coverage**

D18 BARR_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC

	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
Flown:	24							
D18 BARR_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
	43				✓	✓	✓	NLC
	44				✓	✓	✓	NLC
	45				✓	✓	✓	NLC
	46				✓	✓	✓	NLC
	47				✓	✓	✓	NLC
	48				✓	✓	✓	NLC
	49				✓	✓	✓	NLC
	50				✓	✓	✓	NLC
Flown:	15							
D18 BARR_P3	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	51				✓	✓	✓	NLC
	52				✓	✓	✓	NLC
	53				✓	✓	✓	NLC
	54				✓	✓	✓	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)

**BARR\_P3**

51	52	53	54
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Flown: 100% (4/4)  
Green: 0% (4/4)  
Yellow: 100% (4/4)  
Red: 0% (4/4)

**N18A**

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

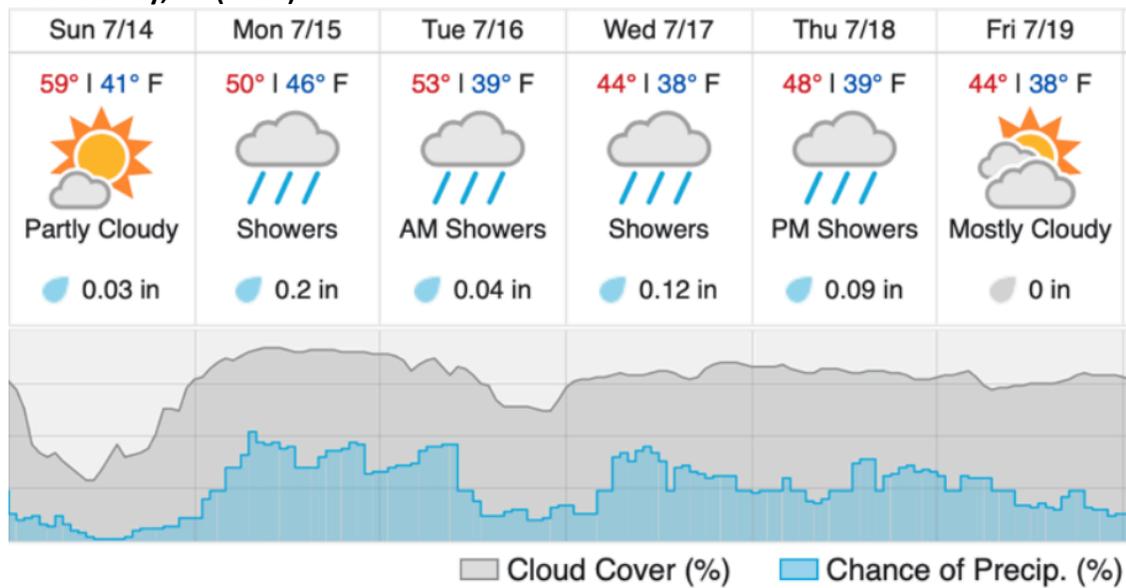
**TOOL**

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												

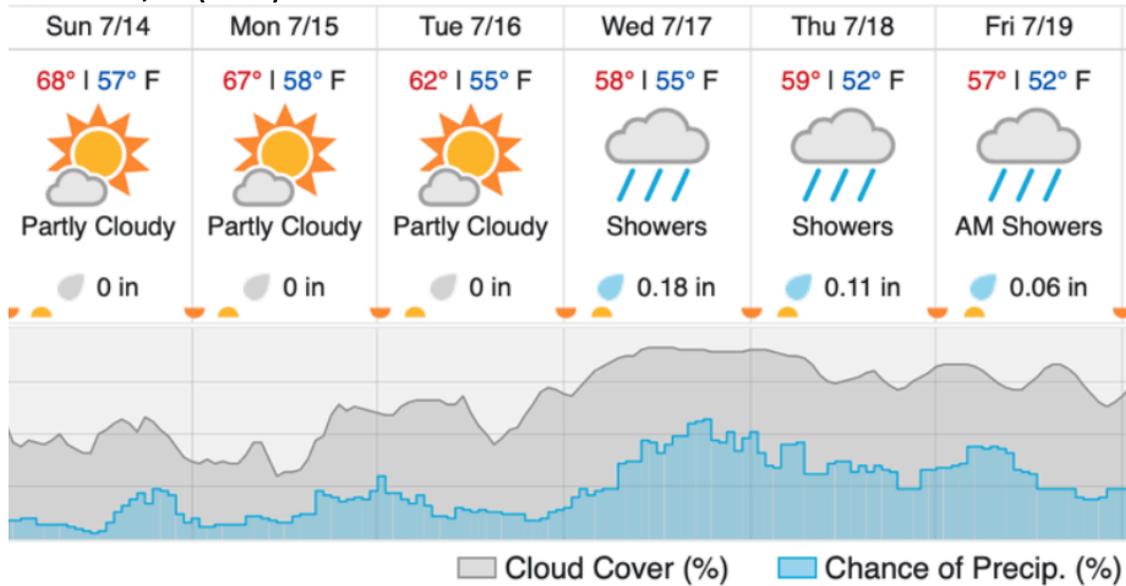
Flown: 90% (43/48)  
 Green: 0% (0/48)  
 Yellow: 23% (11/48)  
 Red: 71% (34/48)

**Weather Forecast**

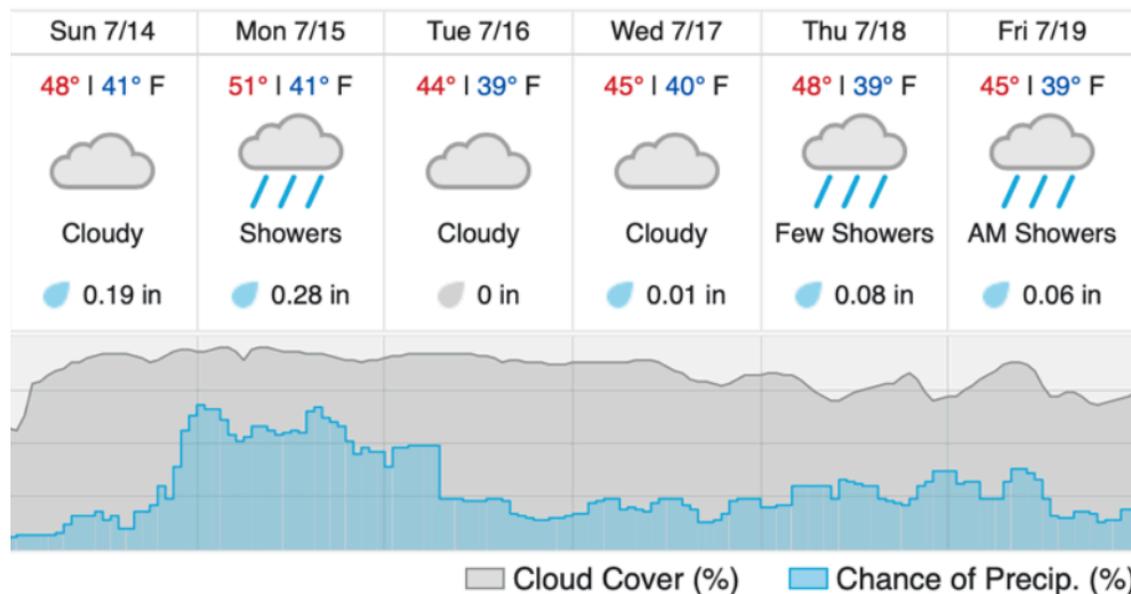
**Prudhoe Bay, AK (PASC)**



**Toolik Lake, AK (TOOL)**



## Utqiagvik, AK (BARR)



### Flight Collection Plan for 14 July 2019

#### Flyority 1:

Collection Area: Toolik (TOOL)

Flight Plan Name: D18\_TOOL\_C1\_P1\_v1.pln

On-station Time: 1900 – 0110 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: 1950 – 0110 UTC / 1130 – 1730 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: 1950 – 0110 UTC / 1130 – 1730 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: 1950 – 0110 UTC / 1130 – 1730 L (35° solar angle)

\*Only if Green Conditions Exist

#### Flyority 5

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 15 July 2019

Flyority 1-5: Same as previously briefed

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