



July 10, 2019 Payload 2 Daily Flight Report



**Date:** 2019-07-10  
**Flight Campaign ID:** 2019\_P2C1  
**Airport, FBO ID, City:** Deadhorse Airport (PASC) - Deadhorse, AK

**Domain:** 18  
**Sites Flown:** None  
**Days left in Domain:** 16

**Report Author:** Michael Wussow  
**Flight Crew:** Matt Devoe, Michael Wussow  
**Ground/GPS:** None  
**Pilots:** Mark Solper, Stephen Brawdgers  
**Additional Personnel:**  
**GPS Instruments:** None

**Flight Hours:** 00:00  
**Hours until maintenance:** 63.13

**Summary**

Very low clouds and IFR conditions prevented the Otter from departing Deadhorse today. No flights conducted.

**Concerns**

None

**Comments**

Andrew and Alok investigated failures of past NIS lines and believe that an aging on-board calibration (OBC) bulb is having some effect on bad detector element (BDE) counts, not pointing to serious failures. Some changes have been made in the QAQC code and FlightOps 2 crew will not update the SVN code base until further notice from Andrew.

**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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

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: 56% (27/48)

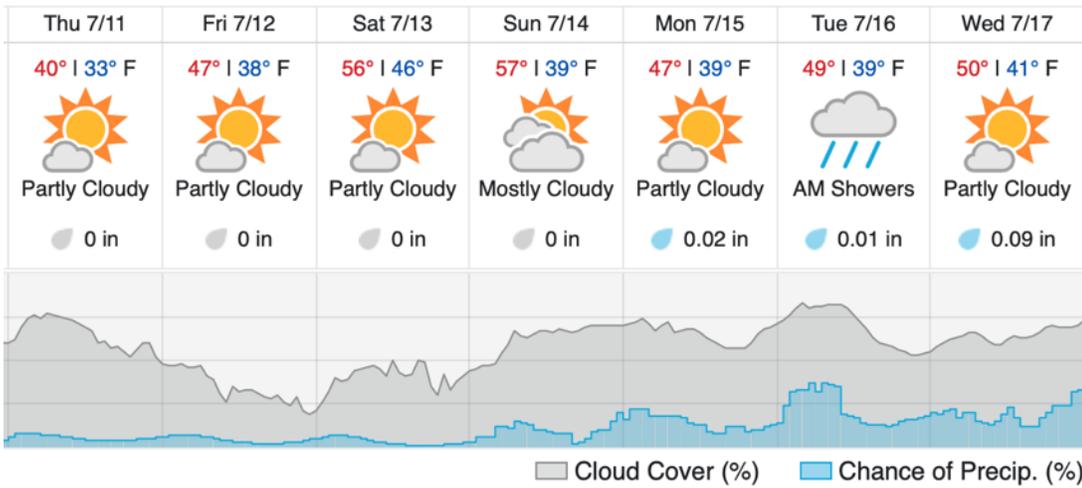
Green: 0% (0/48)

Yellow: 23% (11/48)

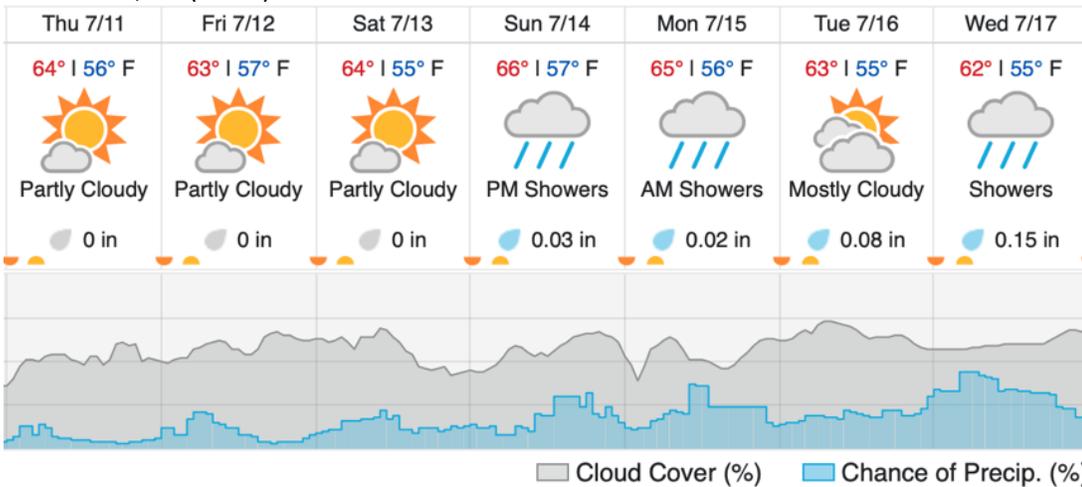
Red: 35% (17/48)

**Weather Forecast**

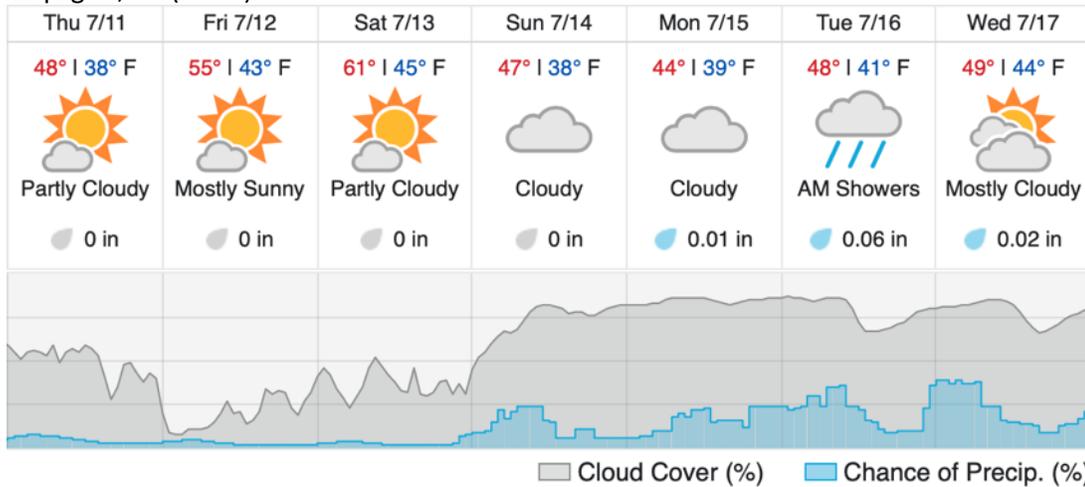
Prudhoe Bay, AK (PASC)



Toolik Lake, AK (TOOL)



Utqiagvik, AK (BARR)



**Flight Collection Plan for 11 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:** Matt DeVoe (Lidar), Michael Wussow (NIS)

**Flight Collection Plan for 12 July 2019**

**Flyority 1-6:** Same as previously briefed

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