



## Payload 1 Daily Flight Report



**Date:** 2022-07-30

**Flight Campaign ID:** P1C1

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

**Aircraft:** N331AR

**Domain:** 18 (Tundra)

**Sites Flown:** None

**Days left in Domain:** 23

**Report Author:** Cameron

**Lidar Operators:** Cameron      **Flight Hours:** 00:00

**Spectrometer Operators:** Abe      **Hours until maintenance:** 85.75

**Pilots:** Vince , Jeremy

### Summary

Patchy fog and low clouds persisted through the day. No flights were conducted.

### Concerns

- The TOOL tower camera will require adjusting by the field crew.

### Comments

- D18 Hg Lamp test completed today.
- GPS battery changed today

### Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

**Flight Screenshots:** None

**Pictures:** Abe changing the battery on the FBO GPS.





**Above:** The crew watched from the DAC as the low clouds continued to roll in throughout the day.

**Cumulative Domain Coverage**

**D18|BARR\_P1 (Barrow Environmental Observatory Priority 1 )**

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: 0% (0/35)  
 Green: 0% (0/35)  
 Yellow: 0% (0/35)  
 Red: 0% (0/35)

**D18|BARR\_P2 (Barrow Environmental Observatory Priority 2)**

36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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Flown: 0% (0/15)  
 Green: 0% (0/15)  
 Yellow: 0% (0/15)  
 Red: 0% (0/15)

**D18|BARR\_P3 ( )**

54	55	56	57
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Flown: 0% (0/4)  
 Green: 0% (0/4)  
 Yellow: 0% (0/4)  
 Red: 0% (0/4)

**D18|N18A (D18 Nominal Runway)**

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

**D18|OKSR (Oksrukuyik Creek )**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21																				

Flown: 0% (0/21)

Green: 0% (0/21)  
 Yellow: 0% (0/21)  
 Red: 0% (0/21)

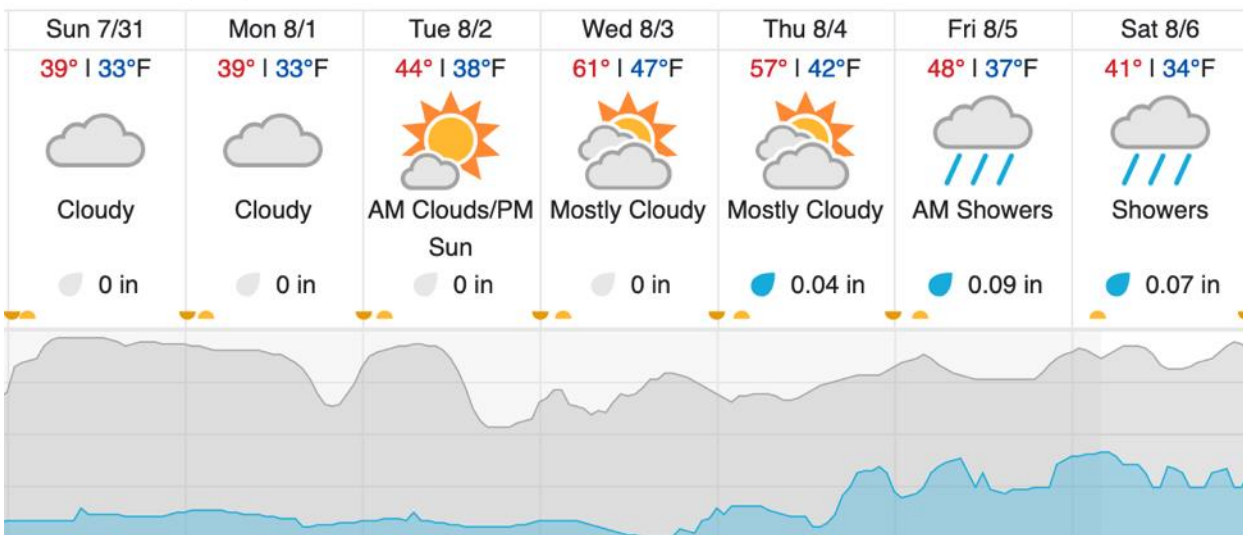
D18|TOOL (Toolik )

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												

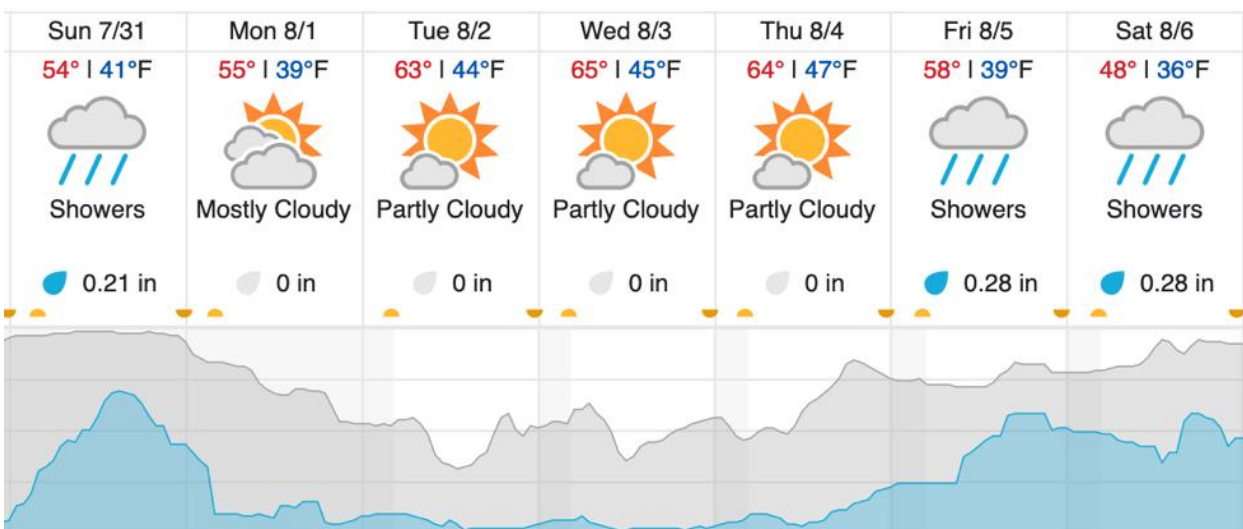
Flown: 0% (0/48)  
 Green: 0% (0/48)  
 Yellow: 0% (0/48)  
 Red: 0% (0/48)

**Weather Forecast**

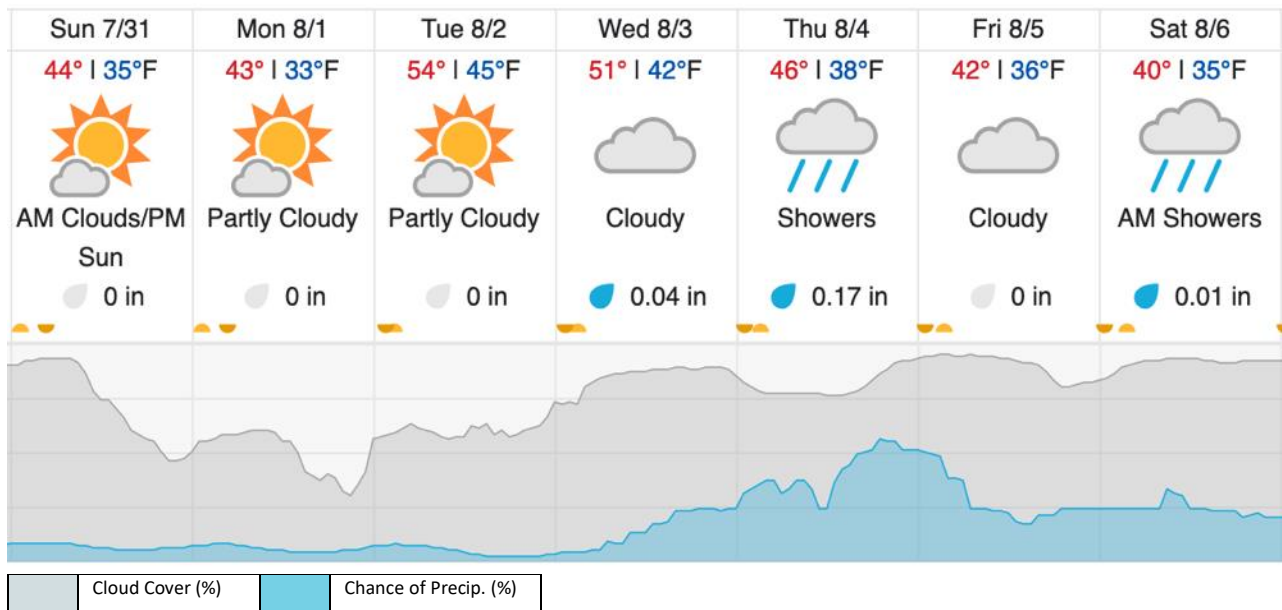
Deadhorse, AK (FBO)



Alyeska Pipeline PS-02 Station, AK (TOOL)



Utqiagvik, AK (BARR)



source: wunderground.com

**Flight Collection Plan for 31 July 2022**

**Flyority 1/2**

Collection Area: Toolik Lake (TOOL)  
Flight Plan Name: D18\_TOOL\_C1\_P1\_v3\_PRM.xml  
On-station Time: 1930 UTC / 1130 L (35deg)

**Flyority 1/2**

Collection Area: Barrow Environmental Observatory (BARR) – P1 Flight Box  
Flight Plan Name: D18\_BARR\_R1\_P1\_P2\_P3\_v5\_PRM.xml  
On-station Time: 2030 UTC / 1230 L (35deg)

**Flyority 3**

Collection Area: Oksrukuyik Creek (OKSR)  
Flight Plan Name: D18\_OKSR\_A1\_P1\_v2\_PRM  
On-station Time: 1930 UTC / 1130 L (35deg)

**Flyority 4**

Collection Area: Barrow Environmental Observatory (BARR) – P2 Flight Box  
Flight Plan Name: D18\_BARR\_R1\_P1\_P2\_P3\_v5\_PRM.xml  
On-station Time: 2030 UTC / 1230 L (35deg)

**Flyority 5**

Collection Area: Barrow Environmental Observatory (BARR) – P3 Flight Box  
Flight Plan Name: D18\_BARR\_R1\_P1\_P2\_P3\_v5\_PRM.xml  
On-station Time: 2030 UTC / 1230 L (35deg)

**Flyority 6**

Collection Area: Nominal Runway – D18  
Flight Plan Name: D18\_N18A\_Nominal\_Runway\_Test\_v1\_PRM.xml  
On-station Time: N/A

**Crew:** Abe (Lidar), Cam (NIS)