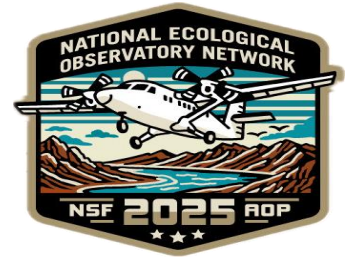




## Payload 2 Daily Flight Report



**Date:** 2025-07-07

**Flight Campaign ID:** P2C1

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

**Aircraft:** N615AR

**Domain:** 18 (Tundra)

**Sites Flown:** None

**Days left in Domain:** 29

**Report Author:** Elissa

**Lidar Operators:** Elissa

**Flight Hours:** 00:00

**Spectrometer Operators:** Alyssa

**Hours until maintenance:** 82.63

**Pilots:** Vince, Manning

### Summary

A low ceiling at Deadhorse and low cumulus at Toolik prevented flights today. We are awaiting instruction on whether to attempt a reflly of BARR once the vegetation reaches peak greenness; baring that we will continue looking for opportunities to fly the remaining 12 lines of the Priority 2 and 3 boxes at BARR, and the remaining 11 lines at OKSR.

### Concerns

Continued investigation of root cause of camera issues (SSDs vs Controller).

### Comments

Replacement SSDs have been ordered and a replacement IX Controller is being configured at the lab.

### Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

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: 100% (35/35)

Green: 100% (35/35)

Yellow: 0% (0/35)

Red: 0% (0/35)

\* Flown within 35deg solar angle

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: 47% (7/15)  
Green: 47% (7/15)  
Yellow: 0% (0/15)  
Red: 0% (0/15)  
\* Flown within 35deg solar angle

D18|BARR\_P3 (Barrow Environmental Observatory Priority 3)

51	52	53	54
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Flown: 0% (0/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 0% (0/4)  
\* Flown within 35deg solar angle

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: 43% (9/21)  
Green: 43% (9/21)  
Yellow: 0% (0/21)  
Red: 0% (0/21)  
\* Flown within 35deg solar angle

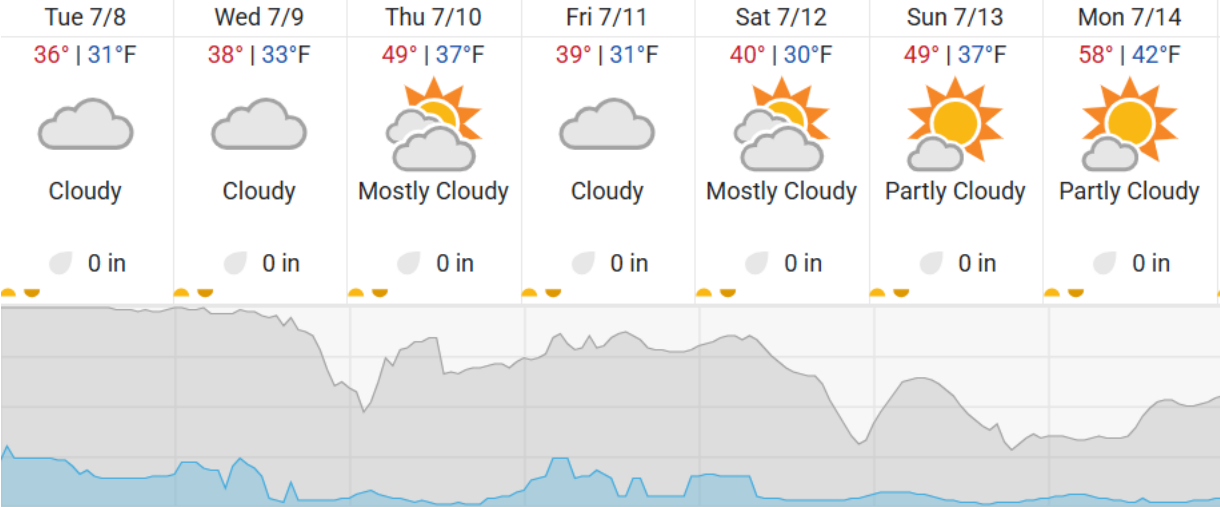
D18|TOOL (Toolik)

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	49	50	51									

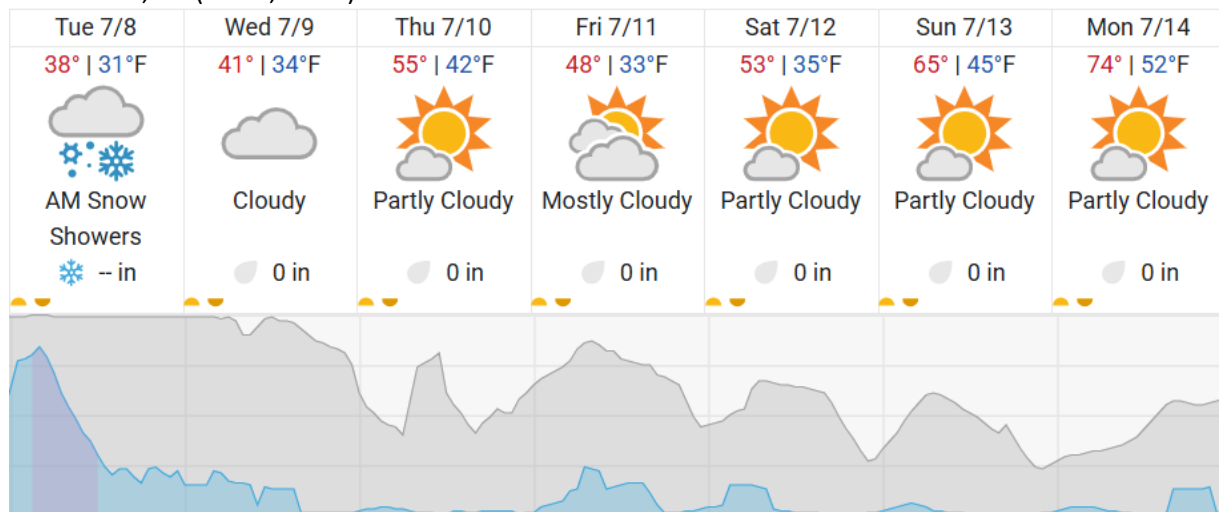
Flown: 98% (50/51)  
Green: 98% (50/51)  
Yellow: 0% (0/51)  
Red: 0% (0/51)  
\* Flown within 35deg solar angle

Weather Forecast

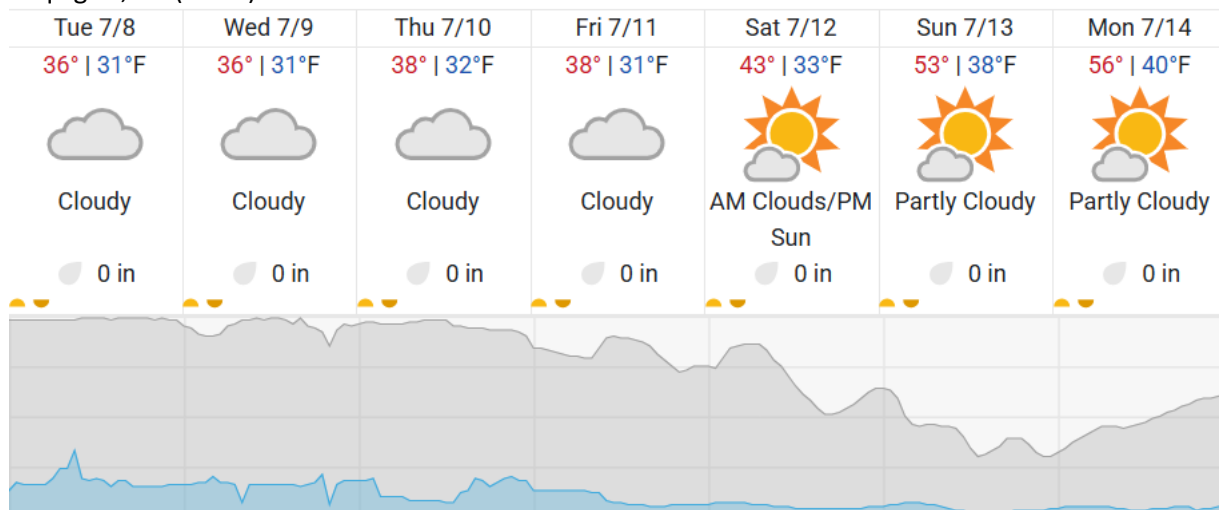
Prudhoe Bay, AK (FBO-PASC)



## Toolik Lake, AK (TOOL, OKSR)



## Utqiagvik, AK (BARR)



source: wunderground.com

## Flight Collection Plan for 8 July 2025

### Flyority 1

Collection Area: Barrow Environmental Observatory (BARR) - Priority 1 Flight Box (*once in peak greenness*)

Flight Plan Name: D18\_BARR\_R1\_P1\_P2\_P3\_v6\_VQ780

On-Station Time: (35 degrees): 1930 UTC / 1130 L

### Flyority 2

Collection Area: Barrow Environmental Observatory (BARR) - Priority 2 Flight Box

Flight Plan Name: D18\_BARR\_R1\_P2\_v5\_Q780.pln

On-Station Time: (35 degrees): 1930 UTC / 1130 L

### Flyority 3

Collection Area: Barrow Environmental Observatory (BARR) - Priority 3 Flight Box

Flight Plan Name: D18\_BARR\_R1\_P3\_v5\_Q780.pln

On-Station Time: (35 degrees): 1930 UTC / 1130 L

Flyority 4

Collection Area: Oksrukuyik Creek (OKSR)

Flight Plan Name: D18\_OKSR\_A1\_P1\_v3\_VQ780

On-Station Time: (35 degrees): 1840 UTC / 1040 L

**Crew:** Alyssa (Lidar), Elissa (NIS)