



Payload 2 Daily Flight Report

Date: 2025-07-06

Flight Campaign ID: P2C1

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

Aircraft: N615AR

Domain: 18 (Tundra)

Sites Flown: OKSR (Oksrukuyik Creek), TOOL (Toolik)

Days left in Domain: 30

Report Author: Alyssa

Lidar Operators: Alyssa

Spectrometer Operators: Elissa

Pilots: Manning, Vince

Flight Hours: 04:32

Hours until maintenance: 82.63

GPS Instruments: C-EDOC, U-TLK2

Summary

All red/yellow TOOL lines reflown in green conditions, began on the OKSR box as well. Camera was not operated.

Concerns

- Took multiple tries this morning to format the RiAcquire SSD, something that had previously only happened to the camera disks.

Comments

Weather for the next several days looks unsuitable. Awaiting further guidance on BARR and OKSR.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D18|TOOL

Line #	27	34	35	36	37	38	39	40	41	42	43	44	46
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera													
Cloud Cover													

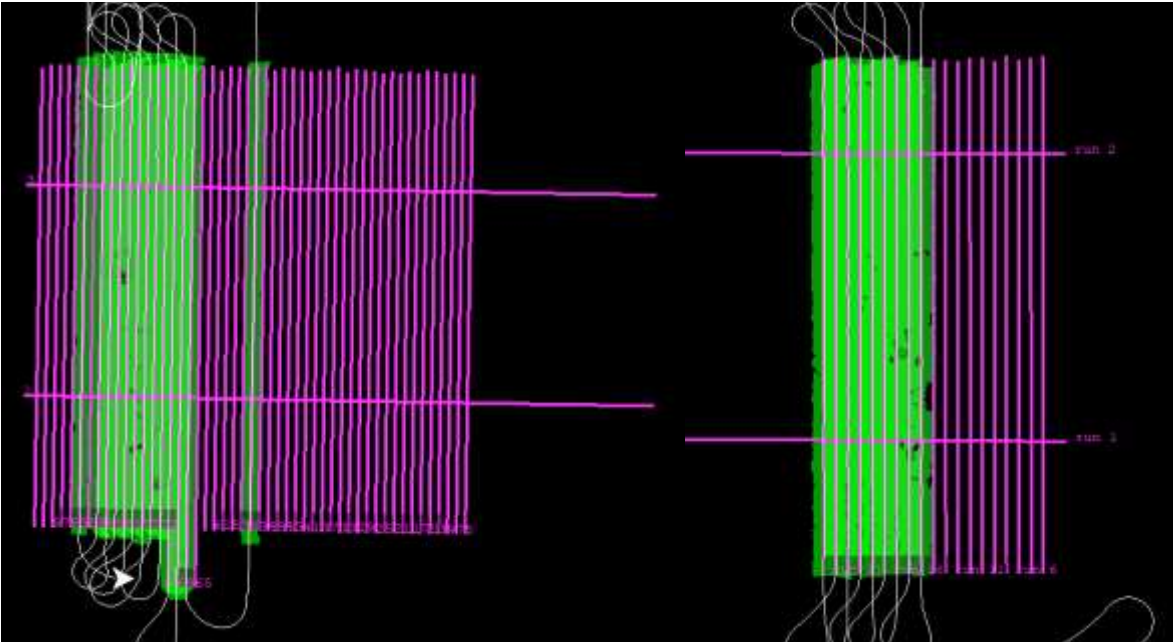
Total number of lines flown: 13

Line #	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera									
Cloud Cover									

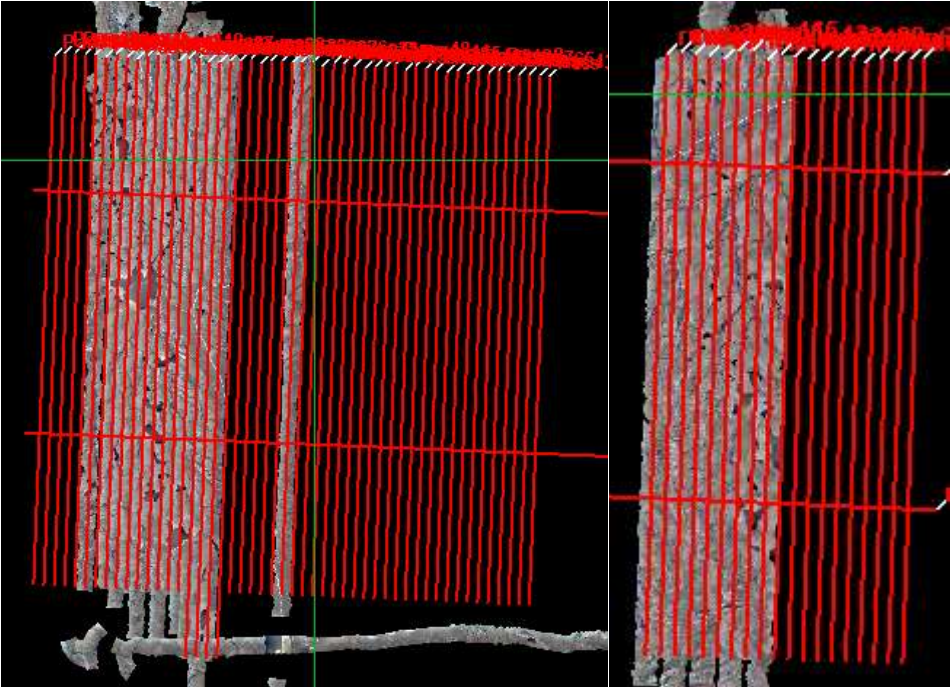
Total number of lines flown: 9

Flight Screenshots

Lidar



NIS



Pictures

Nice views of the rivers coming through the Brooks today



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: 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)

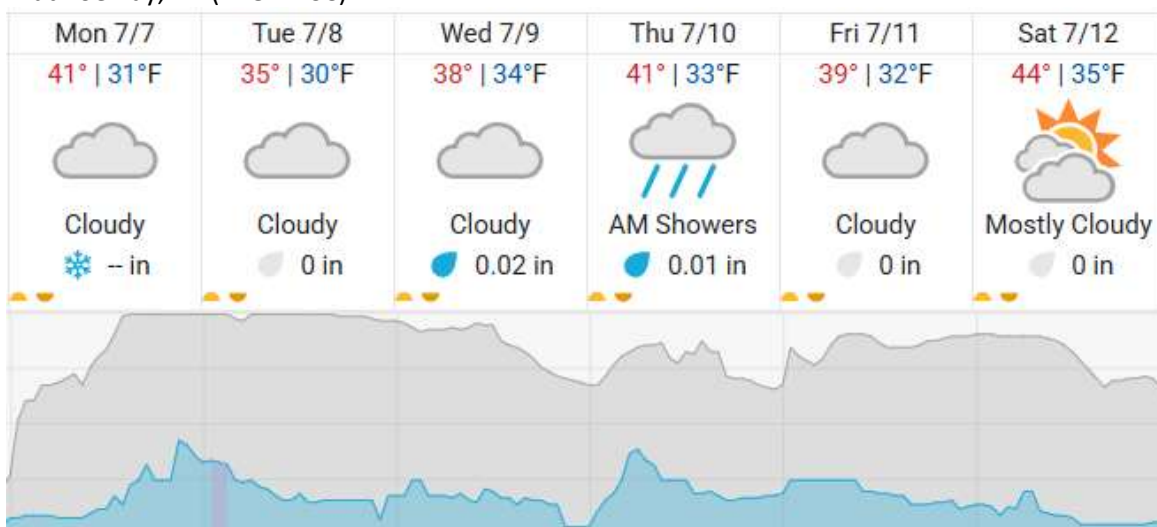
Yellow: 0% (0/51)

Red: 0% (0/51)

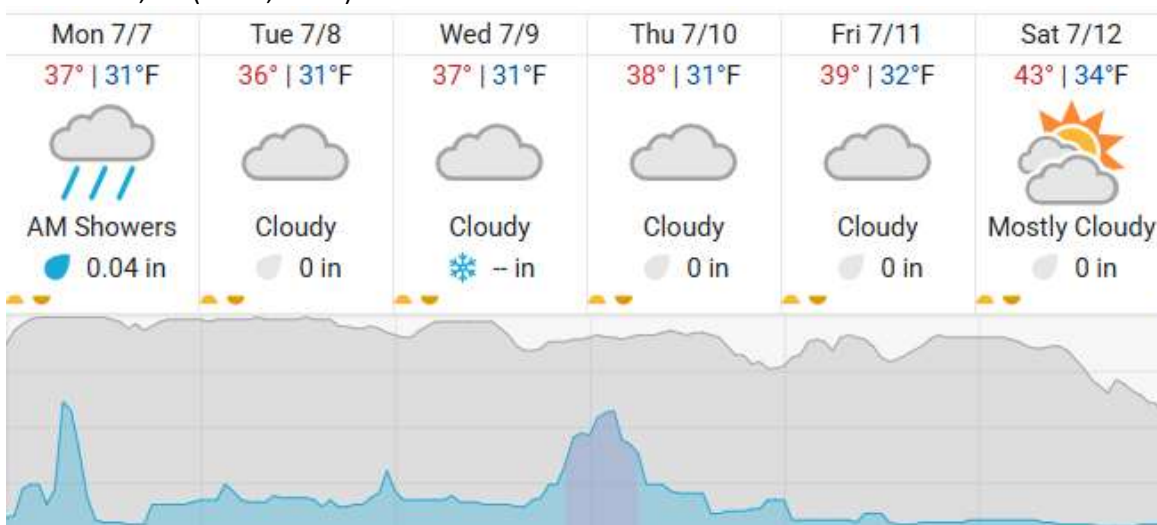
* Flown within 35deg solar angle

Weather Forecast

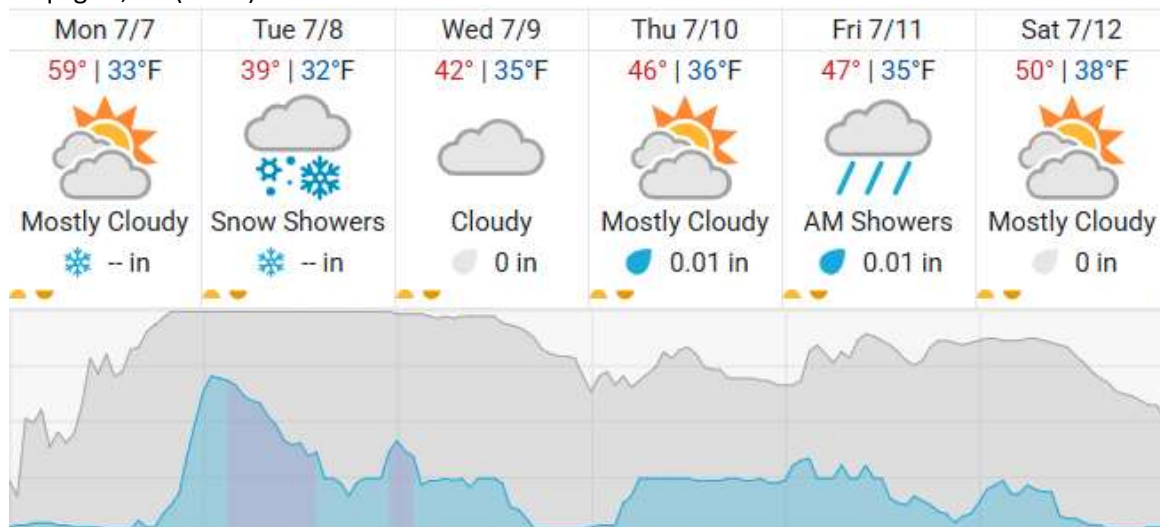
Prudhoe Bay, AK (FBO-PASC)



Toolik Lake, AK (TOOL, OKSR)



Utqiagvik, AK (BARR)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 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