



Payload 2 Daily Flight Report

Date: 2025-07-20

Flight Campaign ID: P2C1

Airport, FBO ID, City: Fairbanks International Airport - Fairbanks, AK

Aircraft: N615AR

Domain: 19 (Taiga)

Sites Flown: BONA (Caribou Creek and Poker Flats Watershed)

Days left in Domain: 18

Report Author: Mike

Lidar Operators: Mike

Spectrometer Operators: Nick

Pilots: Manning, Vince

Flight Hours: 00:35

Hours until maintenance: 75.10

GPS Instruments: C-FAI1, UAF-PFR2

Summary

We got airborne today and attempted to fly BONA but cumulus clouds at survey altitude proved to be too thickly scattered for any possible collect.

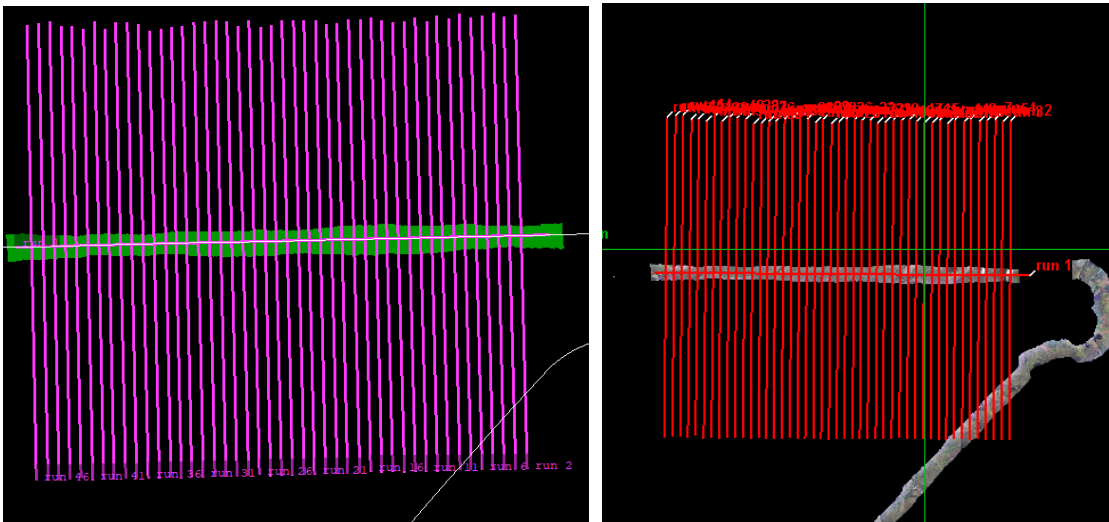
Concerns

None

Comments

Only the cross-strip was flown to evaluate site conditions; the recorded data will not be extracted.

Flight Screenshots



Cumulative Domain Coverage

D19|BONA (Caribou Creek and Poker Flats Watershed)

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														

Flown: 2% (1/46)

Green: 0% (0/46)

Yellow: 2% (1/46)

Red: 0% (0/46)

* Flown within 35deg solar angle

D19|DEJU (Delta Junction)

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								

Flown: 0% (0/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 0% (0/32)

* Flown within 35deg solar angle

D19|HEAL (Healy)

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							

Flown: 33% (11/33)

Green: 0% (0/33)

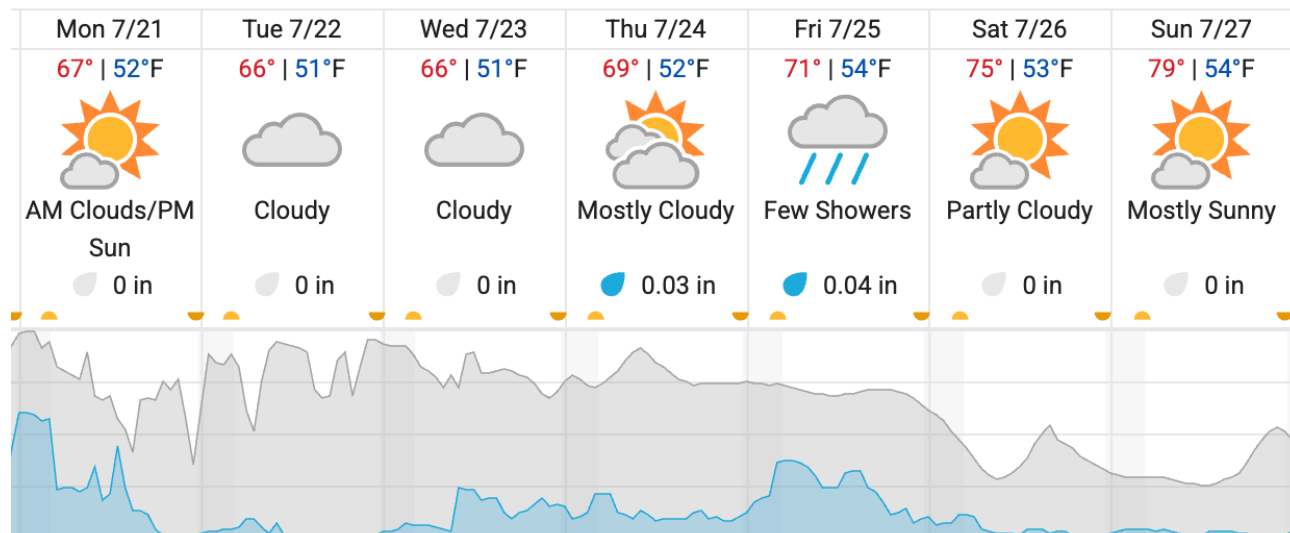
Yellow: 33% (11/33)

Red: 0% (0/33)

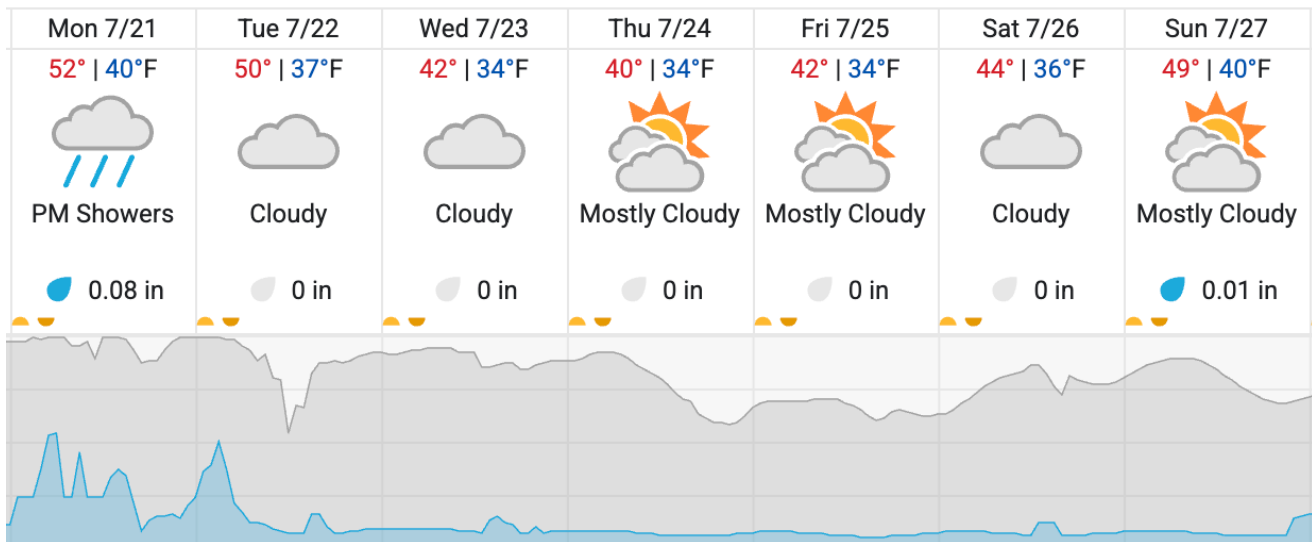
* Flown within 35deg solar angle

Weather Forecast

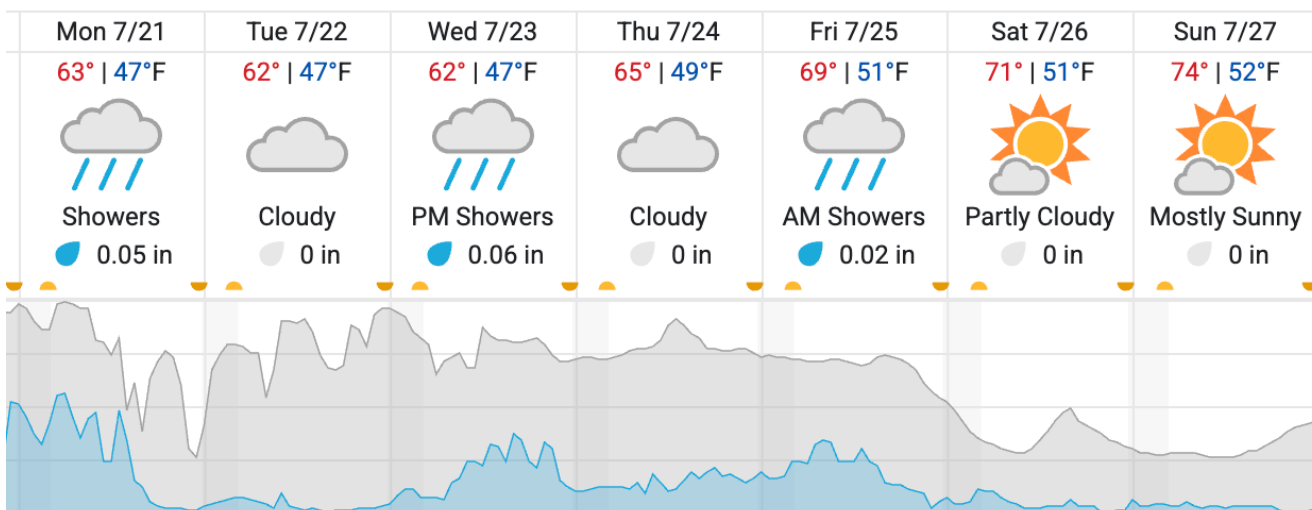
Fairbanks, AK (FBO-PAFA)



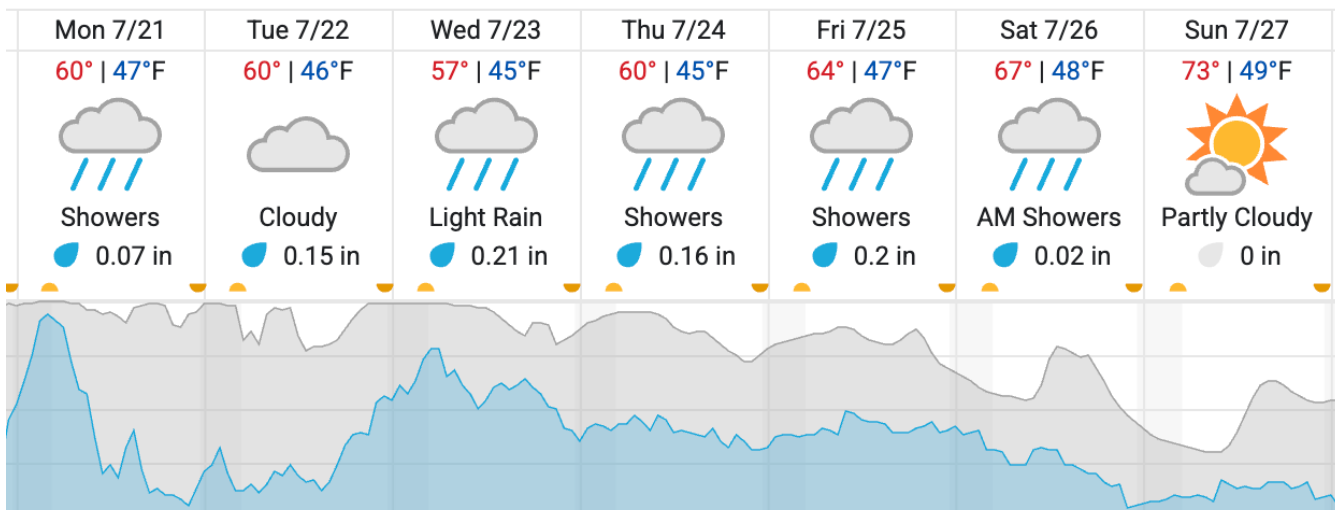
Utqiagvik, AK (BARR)



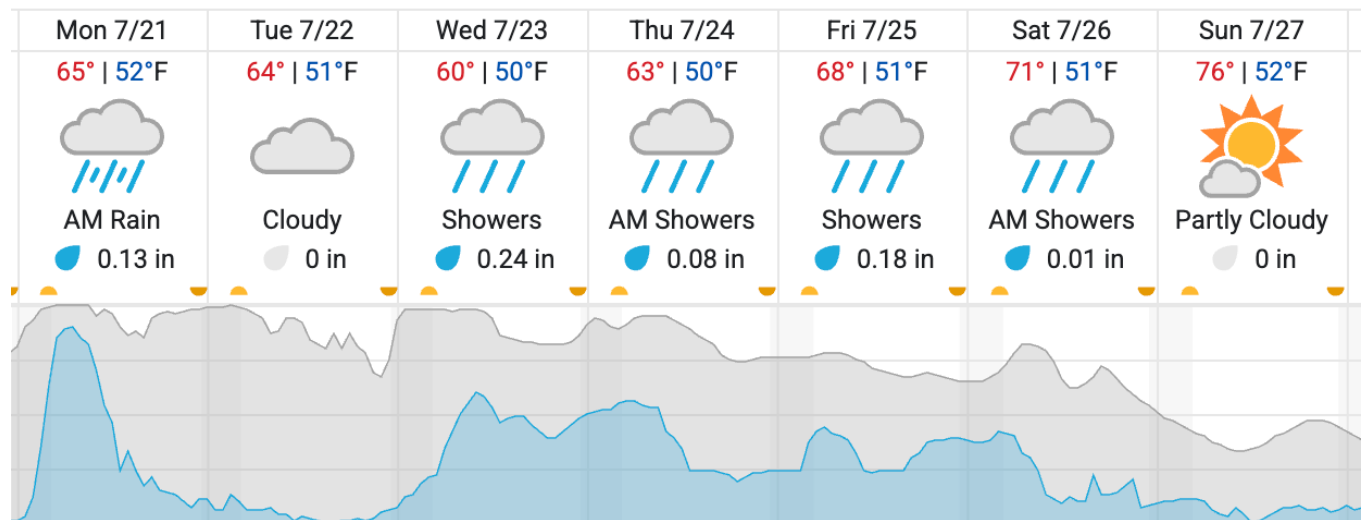
Goldstream Creek, AK (BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



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

Flight Collection Plan for July 21st 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): 2010 UTC / 1210 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): 2010 UTC / 1210 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): 2010 UTC / 1210 L

Flyority 4

Collection Area: Caribou Creek – Poker Flats Watershed – BONA

Flight Plan Name: D19_BONA_C1_P1_v3_VQ780

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

Flyority 5

Collection Area: Healy - HEAL

Flight Plan Name: D19_HEAL_R3_P1_v3_Q780

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

Flyority 6

Collection Area: Delta Junction -DEJU

Flight Plan Name: TBD

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