



## Payload 2 Daily Flight Report



**Date:** 2025-07-30

**Flight Campaign ID:** P2C1

**Airport, FBO ID, City:** Fairbanks International Airport (PAFA) - Fairbanks, AK

**Aircraft:** N615AR

**Domain:** 19 (Taiga)

**Sites Flown:** None

**Days left in Domain:** 7

**Report Author:** Mike

**Lidar Operators:** Mike

**Spectrometer Operators:** John

**Pilots:** Manning, Vince

**Flight Hours:** 00:00

**Hours until maintenance:** 68.72

**GPS Instruments:** None

### Summary

We experienced another day of rain filled skies and fluffy clouds. No flights were possible.

### Concerns

None.

### Comments

-A mercury lamp collection was performed, and initial preparations were made for shipping and transiting.

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

### 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: 15% (7/46)

Green: 0% (0/46)

Yellow: 2% (1/46)

Red: 13% (6/46)

\* 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: 31% (10/32)

Green: 16% (5/32)

Yellow: 9% (3/32)

Red: 6% (2/32)

\* 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: 48% (16/33)

Green: 0% (0/33)

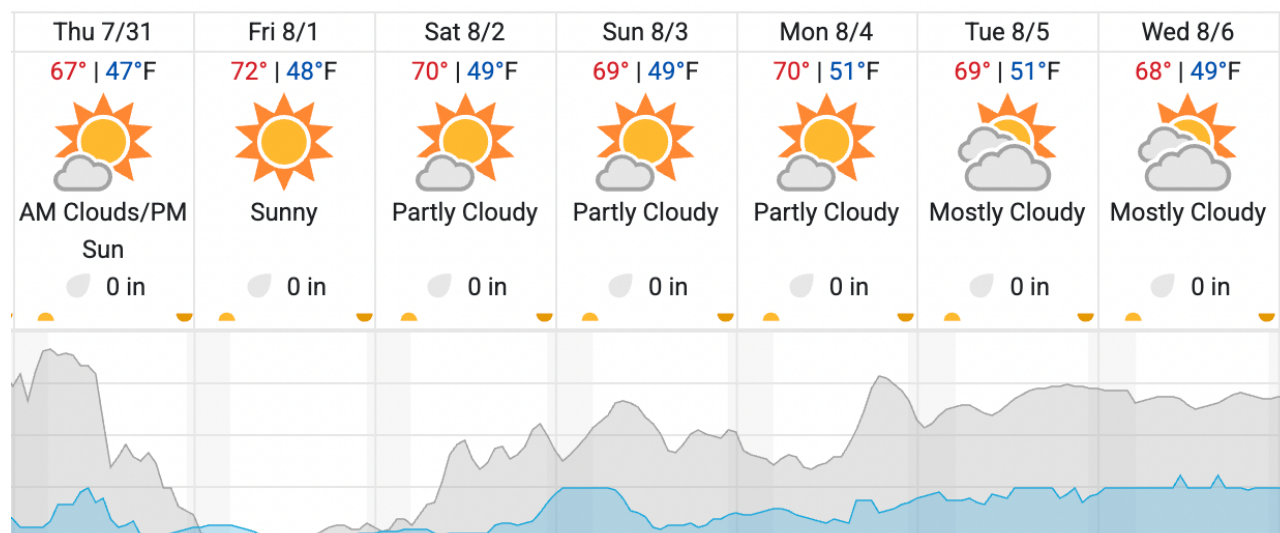
Yellow: 48% (16/33)

Red: 0% (0/33)

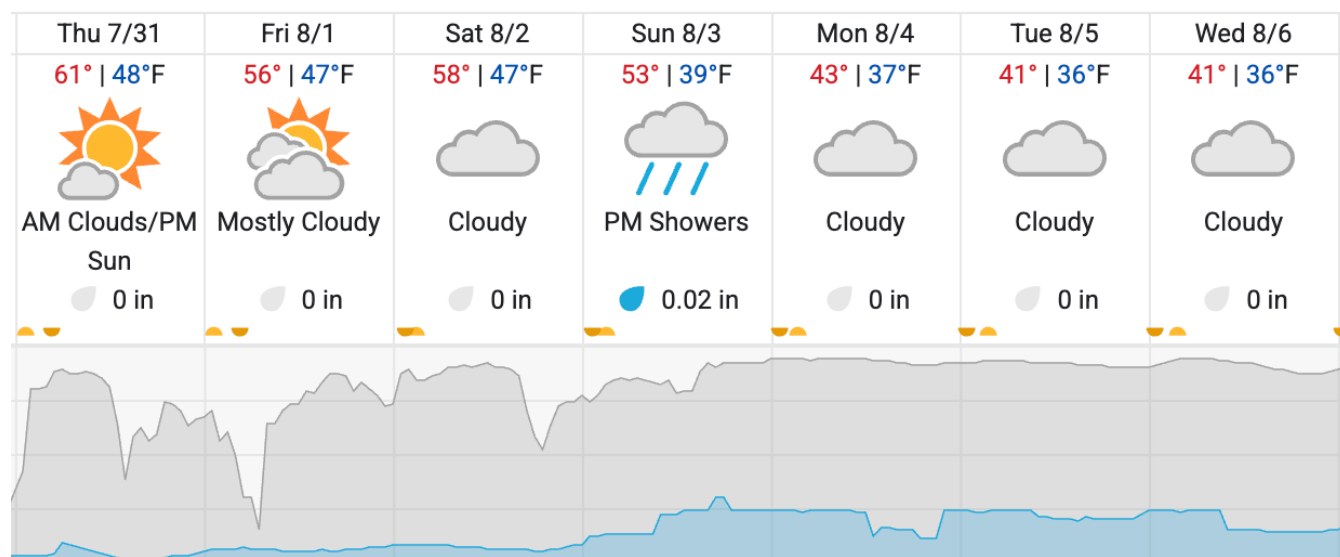
\* Flown within 35deg solar angle

### Weather Forecast

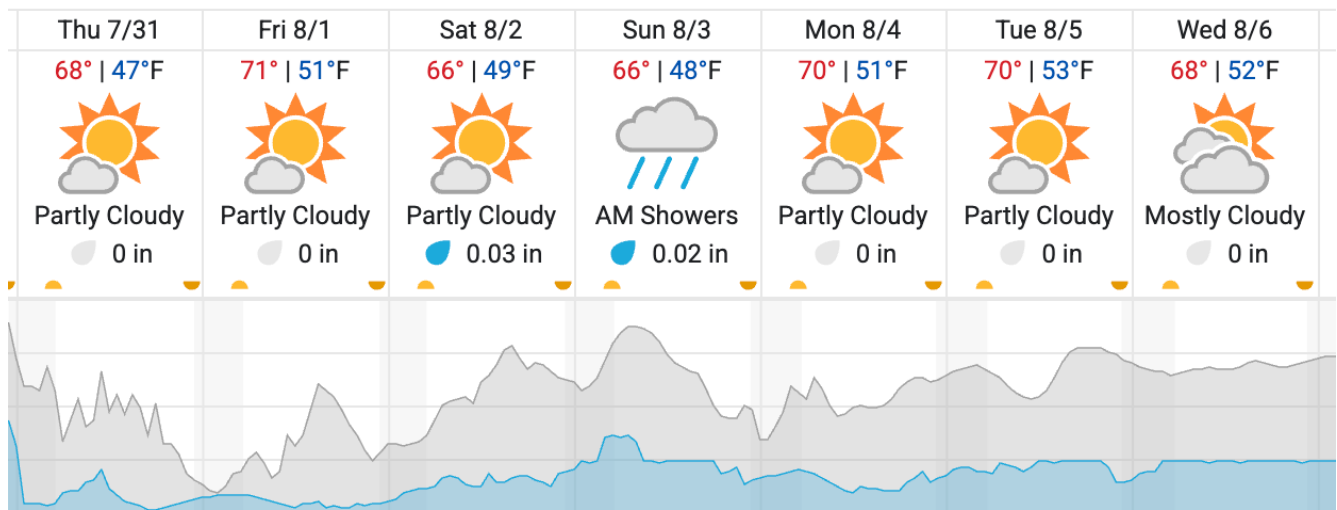
Fairbanks, AK (FBO-PAFA, BONA)



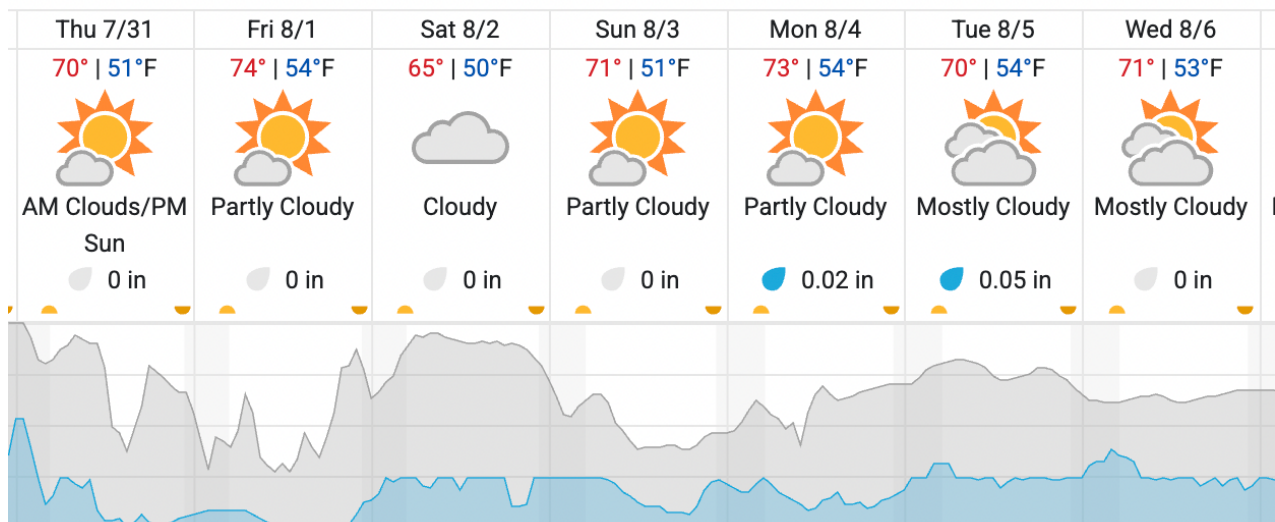
Utqiagvik, AK (BARR)



## Healy, AK (HEAL)



## Delta Junction, AK (DEJU)



source: wunderground.com

## Flight Collection Plan for July 31st 2025

### Flyority 1

Collection Area: Barrow Environmental Observatory (BARR) - Priority 1 Flight Box

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

On-Station Time: (35 degrees): 2100 UTC / 1300 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): 2100 UTC / 1300 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): 2100 UTC / 1300 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): 1910 TC / 1110 L

Flyority 5

Collection Area: Healy - HEAL

Flight Plan Name: D19\_HEAL\_R3\_P1\_v3\_Q780

On-Station Time: (35 degrees): 1910 UTC / 1110 L

Flyority 6

Collection Area: Delta Junction -DEJU

Flight Plan Name: D19\_DEJU\_R1\_P2\_v6\_VQ780

On-Station Time: (35 degrees): 1850 UTC / 1050

Crew: John (lidar), Mike (NIS)