



Payload 1 Daily Flight Report



**Date:** 2024-07-10

**Flight Campaign ID:** P1C1

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

**Aircraft:** N615AR

**Domain:** 19 (Taiga)

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

**Days left in Domain:** 20

**Report Author:** Mike

**Lidar Operators:** Mike

**Flight Hours:** 03:04

**Spectrometer Operators:** John

**Hours until maintenance:** 103.77

**Pilots:** Will, Vince

**GPS Instruments:** C-FAI1, UAF-PFRR

**Summary**

The crew took advantage of much improved weather around Fairbanks today. Low priority lines at BONA were covered in yellow and red cloud conditions.

**Concerns**

None

**Comments**

None

**Daily Coverage**

Estimated Cloud Cover Key

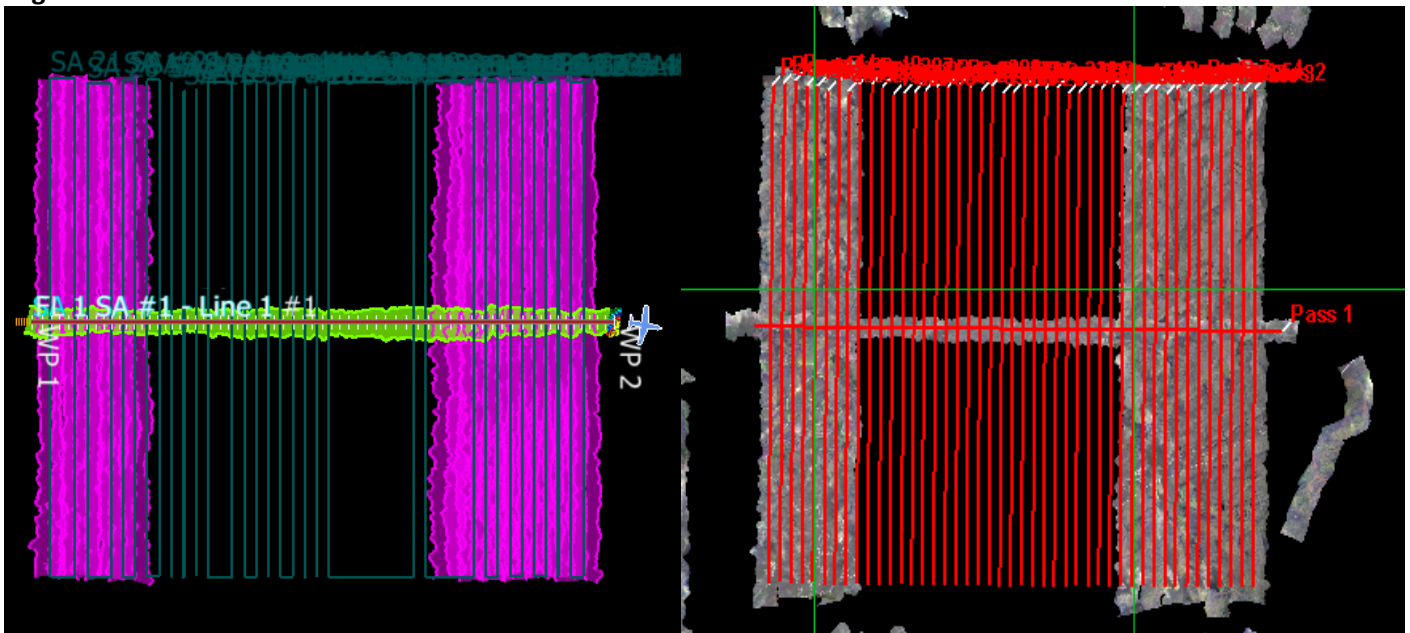
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D19|BONA

Line #	2	3	4	5	6	7	8	9	10	11	12	13	39	40	41	42	43	44	45	46	
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																					

Total number of lines flown: 20

## Flight Screenshots



Lidar

NIS

## Pictures



Cloudy but flyable conditions at BONA today.

## 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: 46% (21/46)  
 Green: 0% (0/46)  
 Yellow: 20% (9/46)  
 Red: 26% (12/46)

### 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																			

Flown: 33% (7/21)  
 Green: 0% (0/21)  
 Yellow: 33% (7/21)  
 Red: 0% (0/21)

### 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: 0% (0/33)  
 Green: 0% (0/33)  
 Yellow: 0% (0/33)  
 Red: 0% (0/33)

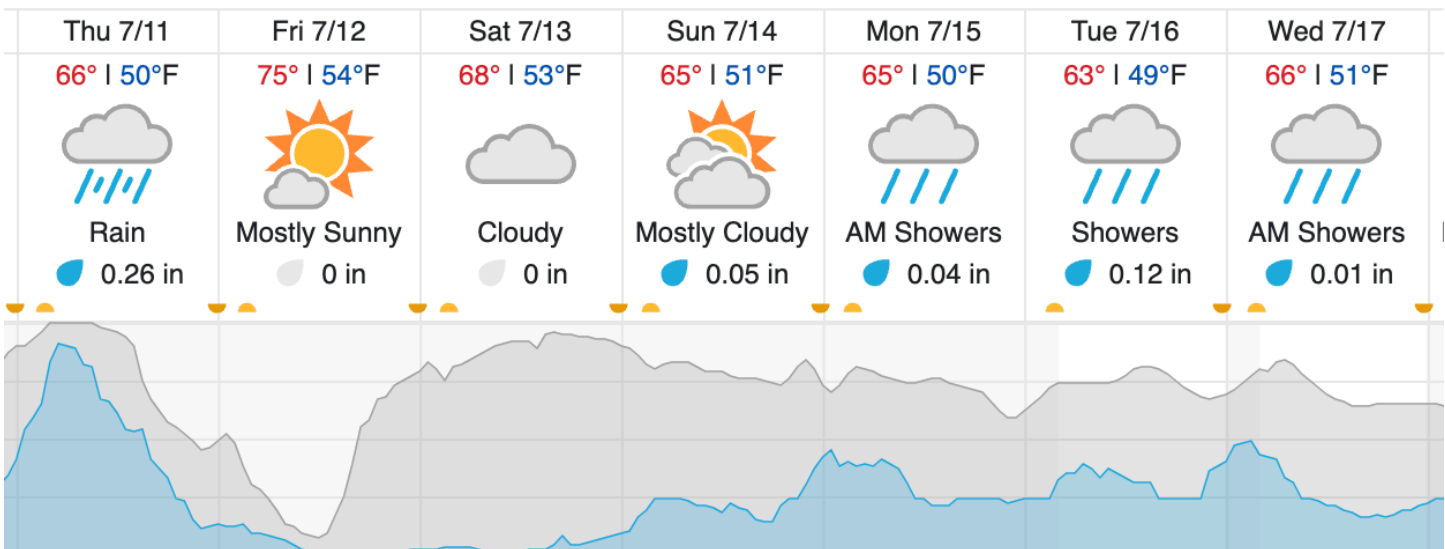
### D19|N19A (D19 Nominal Runway)

1	2
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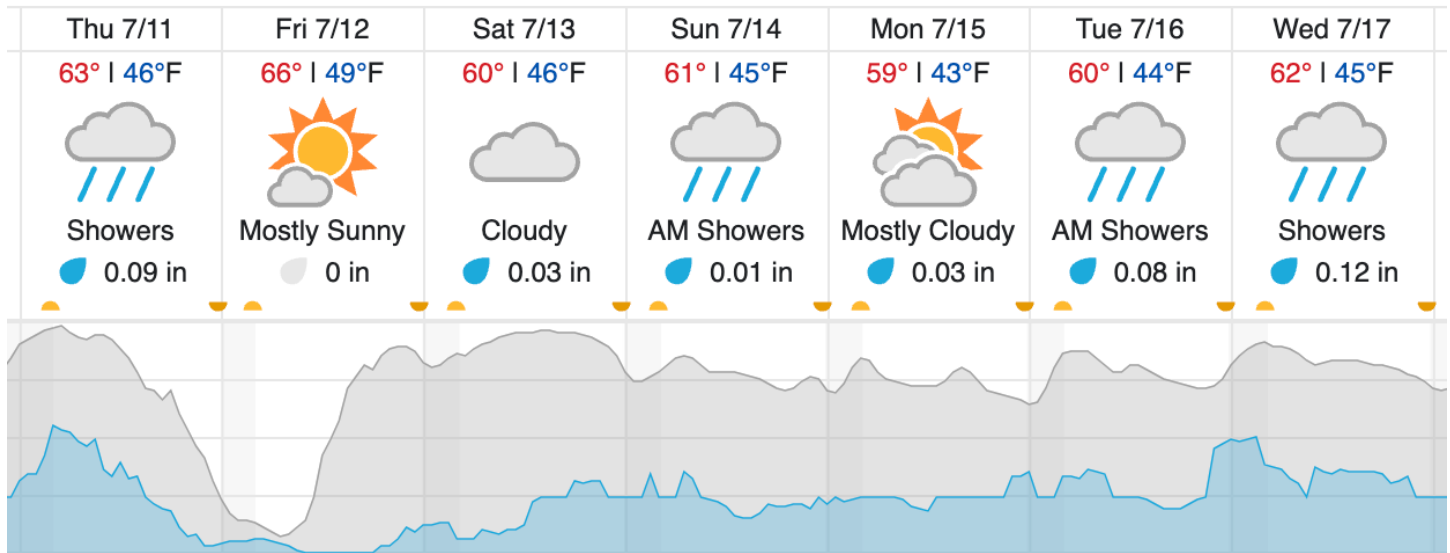
Flown: 0% (0/2)  
 Green: 0% (0/2)  
 Yellow: 0% (0/2)  
 Red: 0% (0/2)

## Weather Forecast

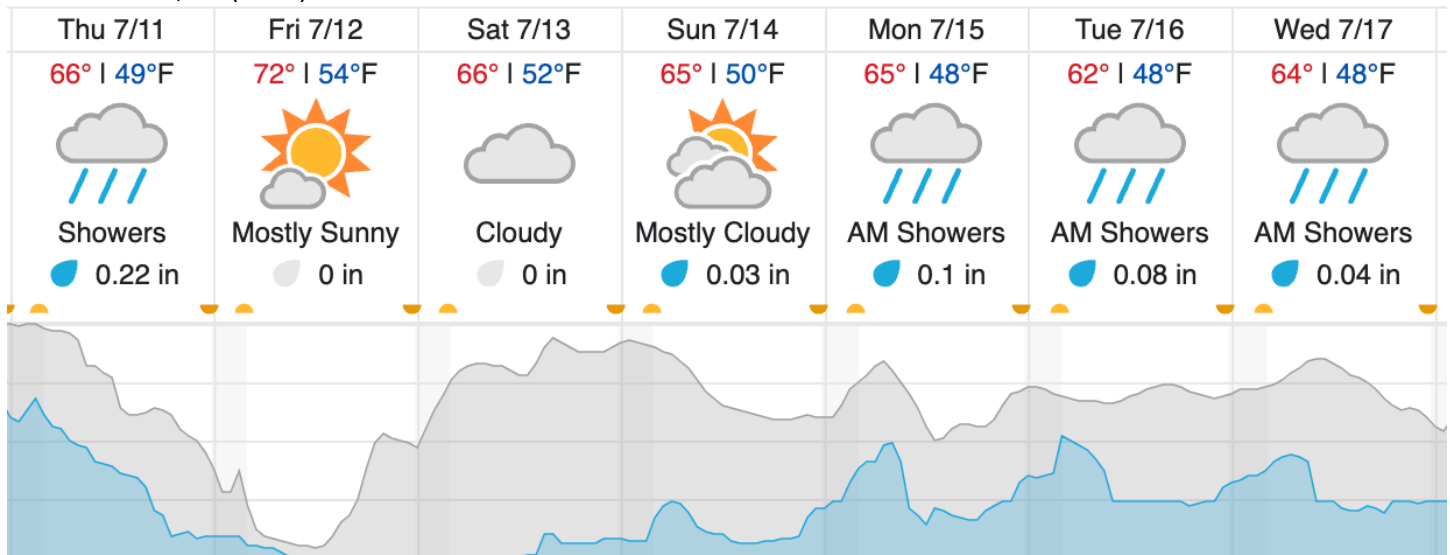
### Fairbanks, AK (BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



source: wunderground.com

**Flight Collection Plan for 11 July 2024**

**Flyority 1**

Collection Area: Caribou Creek – Poker Flats Watershed (BONA)

Flight Plan Name: D19\_BONA\_C1\_P1\_v2\_PRM.xml

On-Station Time: 10:30 L / 18:30 UTC

**Flyority 2**

Collection Area: Healy (HEAL)

Flight Plan Name: D19\_HEAL\_R3\_P1\_v2\_PRM.xml

On-Station Time: 10:30 L / 18:30 UTC

Flyority 3

Collection Area: Delta Junction (DEJU) – Priority Flight Box 1

Flight Plan Name: D19\_DEJU\_R1\_P1\_P2\_v6\_PRM.xml

On-Station Time: 10:20 L / 18:20 UTC

Flyority 4

Collection Area: Delta Junction (DEJU) – Priority Flight Box 2

Flight Plan Name: D19\_DEJU\_R1\_P1\_P2\_v6\_PRM.xml

On-Station Time: 10:20 L / 18:20 UTC

Flyority 5

Collection Area: Nominal Runway – D19

Flight Plan Name: D19\_N19A\_Nominal\_Runway\_Test\_v2\_PRM.xml

Crew: John (Lidar), Mike (NIS)