



## Payload 1 Daily Flight Report



**Date:** 2024-06-24

**Flight Campaign ID:** P1C1

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

**Aircraft:** N615AR

**Domain:** 19 (Taiga)

**Sites Flown:** Pumping and Cooling

**Days left in Domain:** 36

**Report Author:** Cameron

**Lidar Operators:** Cameron      **Flight Hours:** 00:00

**Spectrometer Operators:** Abe      **Hours until maintenance:** 109.63

**Pilots:** Vince, Cody

### Summary

A smoky morning in the Fairbanks area due to nearby wildfires South- Southeast of the city. The payload continued the pumping and cooling process and is expected to reach nominal operating condition tonight. We will be ready for potential data collection starting tomorrow morning.

### Concerns

- Very high PRF flight plans in D19 will likely occupy a lot of space on the Data Extraction computer & RAIDs. We will monitor this after our first data collection.

### Comments

- Data Extraction computer setup & new RAID 19 formatted.
- ServiceNow updated for P1.

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #
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**Flight Screenshots:** None

**Pictures:** None

## 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: 0% (0/46)

Green: 0% (0/46)

Yellow: 0% (0/46)

Red: 0% (0/46)

### 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: 0% (0/21)

Green: 0% (0/21)

Yellow: 0% (0/21)

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)

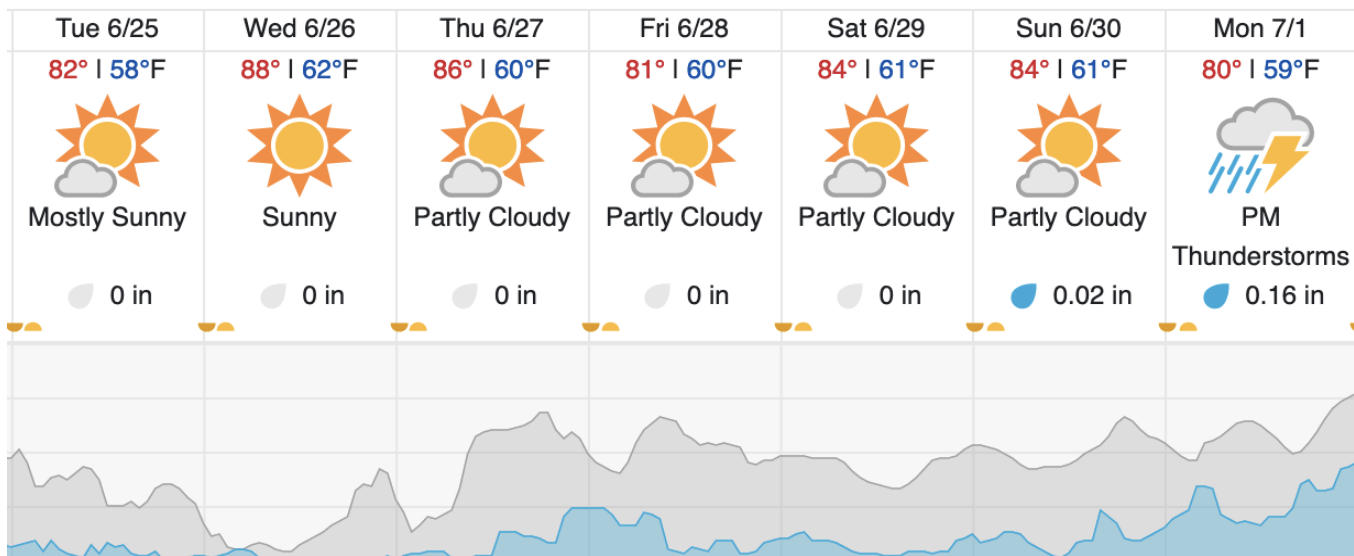
Green: 0% (0/2)

Yellow: 0% (0/2)

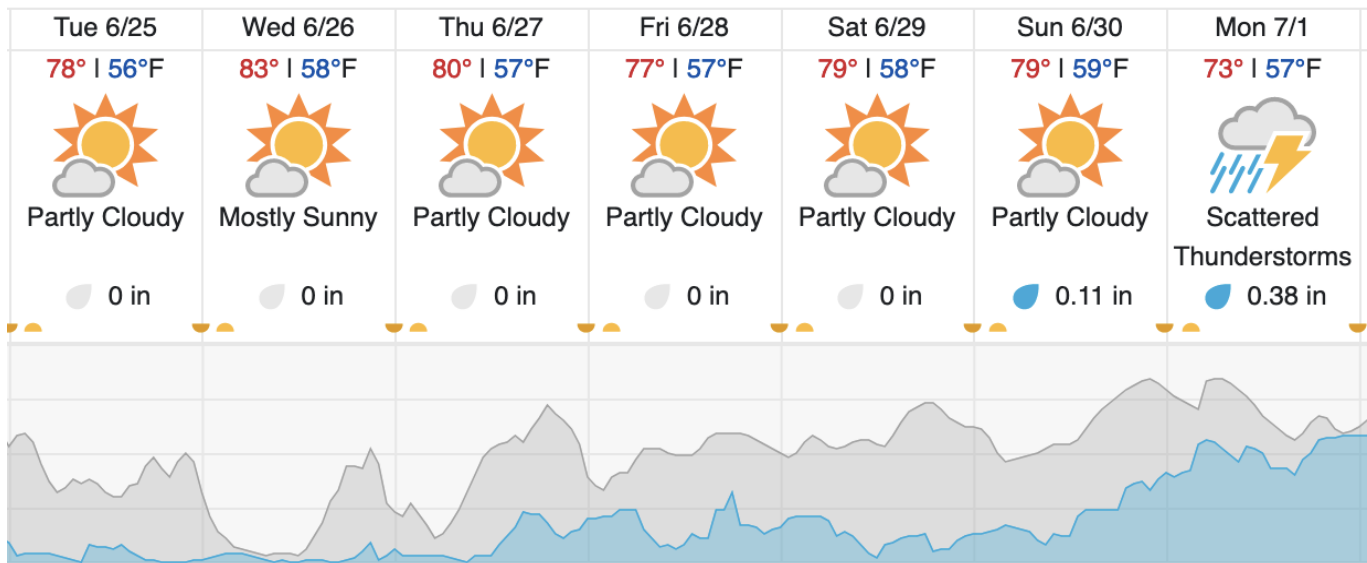
Red: 0% (0/2)

## Weather Forecast

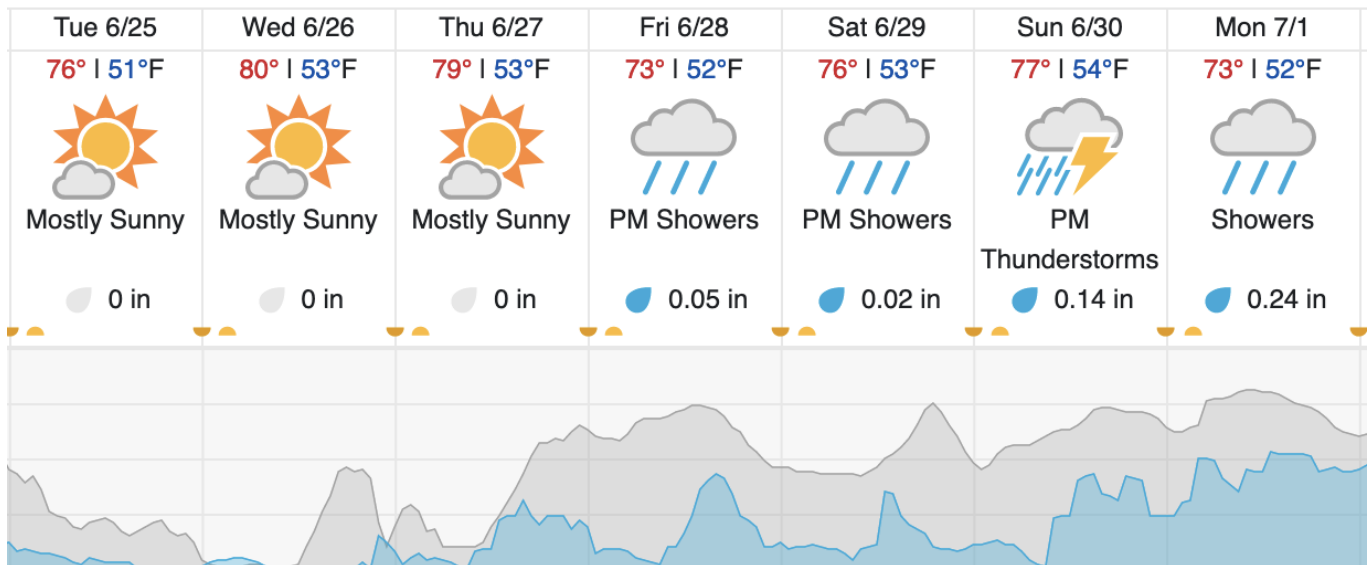
Fairbanks, AK (BONA)



Delta Junction, AK (DEJU)



Healy, AK (HEAL)



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

**Flight Collection Plan for 25 June 2024**

Flyority 1

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

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

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

Flyority 2

Collection Area: Healy (HEAL)

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

On-Station Time: 10:10 L / 18:10 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: 10:00 L / 18:00 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: 10:00 L / 18:00 UTC

Flyority 3

Collection Area: Nominal Runway – D19

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

Crew: Abe (Lidar), Cam (NIS)