



Payload 1 Daily Flight Report

Date: 2024-07-21

Flight Campaign ID: P1C1

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

Aircraft: N615AR

Domain: 19 (Taiga)

Sites Flown: DEJU (Delta Junction)

Days left in Domain: 9

Report Author: Abe

Lidar Operators: Abe

Flight Hours: 00:47

Spectrometer Operators: Mitch **Hours until maintenance:** 91.05

Pilots: Will, Jeff

GPS Instruments: C-FAI1, U-AC71, U-AC72

Ground Crew: Mike

Summary

With a decent forecast and good looks in the tower cam the crew took off to try to collect in “green” at the DEJU site. On the transit flight to the site the crew observed thick haze and a building cloud layer that pushed the site beyond the “green” sky conditions threshold. No collections were made, and the crew returned to Fairbanks.

Concerns

- Our hangar GPU is only partially functional, and a replacement will be needed. We are currently using one from the FBO.
- The waveform recorded has frozen up on several flights, and the crew is monitoring the situation.

Comments

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: 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: 100% (21/21)

Green: 33% (7/21)

Yellow: 67% (14/21)

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: 100% (33/33)
 Green: 0% (0/33)
 Yellow: 15% (5/33)
 Red: 85% (28/33)

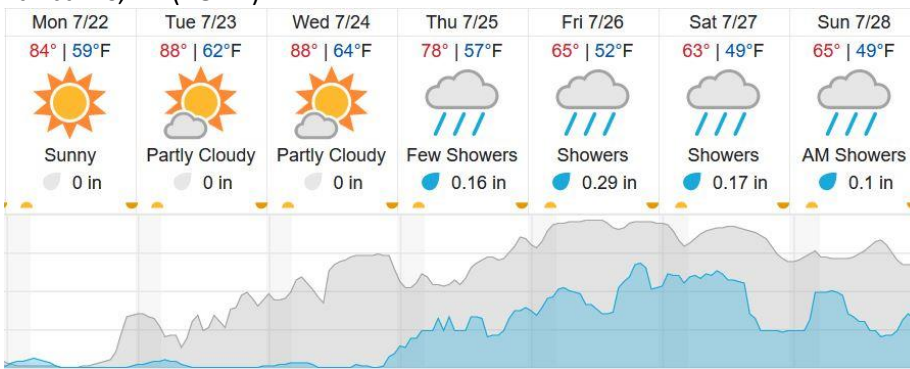
D19 | N19A (D19 Nominal Runway)

1	2
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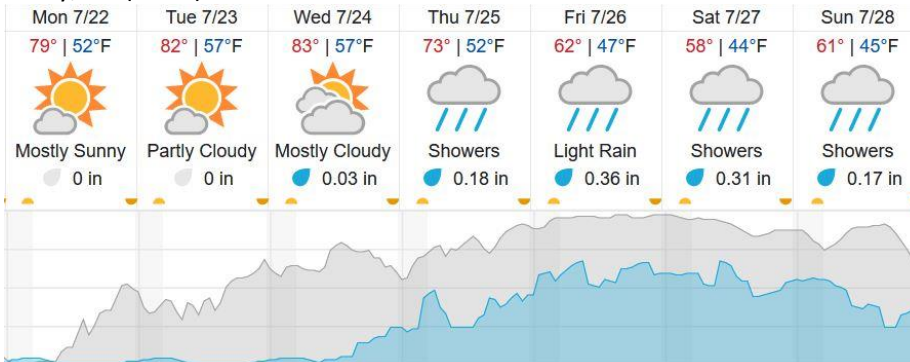
Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 100% (2/2)
 Red: 0% (0/2)

Weather Forecast

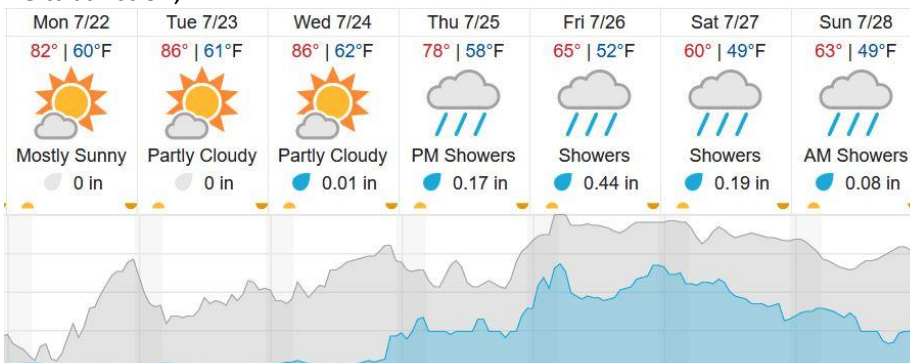
Fairbanks, AK (BONA)



Healy, AK (HEAL)



Delta Junction, AK



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

Flight Collection Plan for 22 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) *if green conditions present

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 *lines 9-10 if green conditions present

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 * if green conditions present

Flight Plan Name: D19_DEJU_R1_P1_P2_v6_PRM.xml

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

Crew: Mitch (Lidar), Abe (NIS)