



Payload 1 Daily Flight Report



Date: 2023-08-12

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 19 (Taiga)

Sites Flown: None

Days left in Domain: 9

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: John **Hours until maintenance:** 61.32

Pilots: Jeff, Vince

Summary

A challenging call this morning as the smoke over Fairbanks somewhat thinned, and 'green' skies briefly appeared in the BONA tower camera prior to the 35 degree solar angle window. However a large cloud bank steadily advanced from the south, bringing low lying clouds that prevented collections. The forecast for the coming days has been gradually improving, so we are optimistic for decent collection windows at both sites, hopefully with less dense smoke as well.

Concerns

None.

Comments

We bought a replacement L6-30 plug/receptacle and plan to go to the airport tomorrow morning ahead of any potential flights to diagnose and repair the cable. Abe arrives in Fairbanks tonight.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

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: 20% (9/46)

Green: 0% (0/46)

Yellow: 0% (0/46)

Red: 20% (9/46)

D19|DEJU_P1 (Delta Junction)

2	3	4	5	6	7	8	9	10
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Flown: 100% (9/9)
 Green: 100% (9/9)
 Yellow: 0% (0/9)
 Red: 0% (0/9)

D19|DEJU_P2 (Delta Junction)

11	12	13	14	15	16	17	18	19	20
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Flown: 100% (10/10)
 Green: 100% (10/10)
 Yellow: 0% (0/10)
 Red: 0% (0/10)

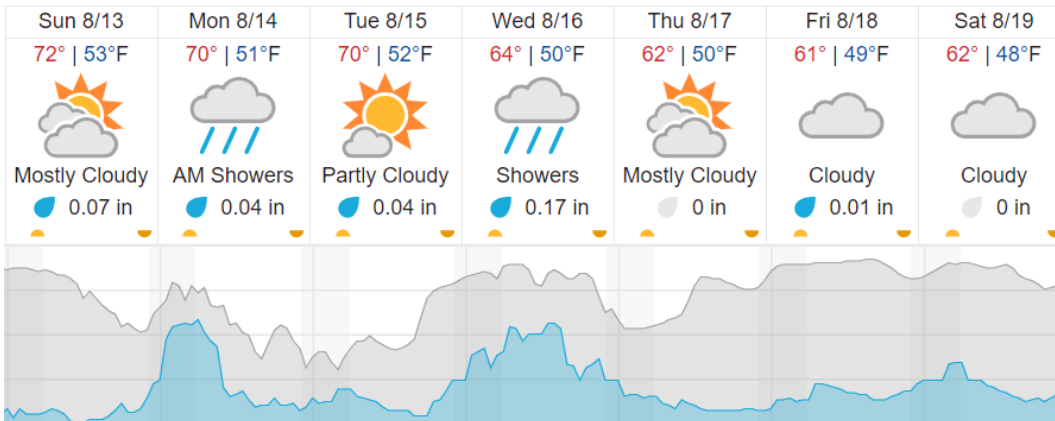
D19|HEAL (Healy)

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								

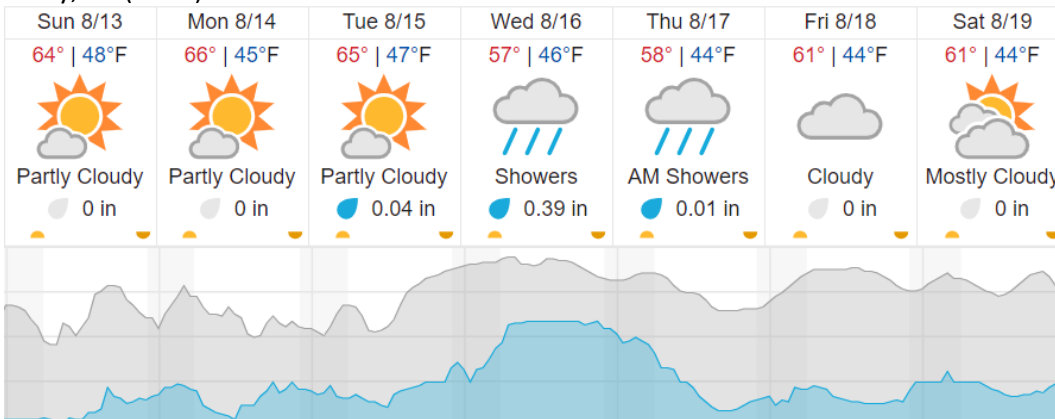
Flown: 0% (0/33)
 Green: 0% (0/33)
 Yellow: 0% (0/33)
 Red: 0% (0/33)

Weather Forecast

Fairbanks, AK (BONA)



Healy, AK (HEAL)



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 12 August 2023

Flyority 1

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

Flight Plan Name: D19_BONA_C1_P1_v1_PRM.xml

On-Station Time: 11:50 L / 19:50 UTC

Flyority 2

Collection Area: Healy (HEAL)

Flight Plan Name: D19_HEAL_R3_P1_v1_PRM.xml

On-Station Time: 11:40 L / 19:40 UTC

Crew: John (Lidar), Elissa (NIS), Abe (Ground)