



Payload 1 Daily Flight Report



Date: 2023-07-14

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: 38

Report Author: Abe

Lidar Operators: Abe

Flight Hours: 00:00

Spectrometer Operators: John **Hours until maintenance:** 83.93

Pilots: Jeff, Vince

Summary

The system continued to pump and cool today. It is anticipated that the system will be ready for collections sometime tomorrow morning.

Concerns

None

Comments

-The crew spoke with lab personnel today about the waveform recorded issue, and the conclusion was that there was nothing for the crew to do for it at this time. The lab is engaging with Optech to find a solution. The crew will continue to attempt to use the waveform recorded as written in the current checklist on every flight, but if it is nonfunctional the collection will go on without it.

-The crew also spoke with the lab about the NIS "Framegrabber" issue. Two fiber optic interface boxes were previously received before the transit and will now both be installed and monitored.

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_P1 (Delta Junction)

1	2	3	4	5	6	7	8	9	10
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Flown: 0% (0/10)

Green: 0% (0/10)

Yellow: 0% (0/10)

Red: 0% (0/10)

D19|DEJU_P2 (Delta Junction)

11	12	13	14	15	16	17	18	19	20	21
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Flown: 0% (0/11)
Green: 0% (0/11)
Yellow: 0% (0/11)
Red: 0% (0/11)

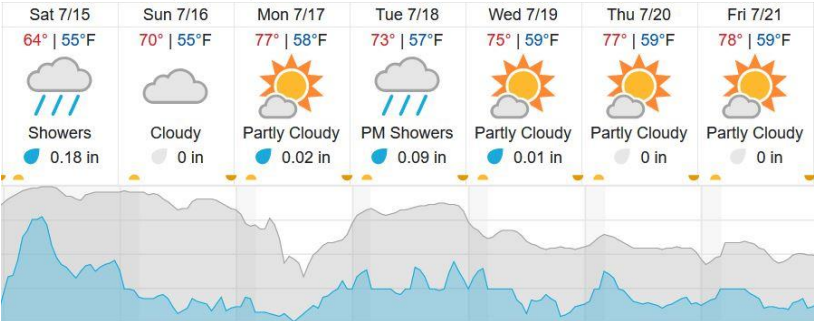
D19|HEAL (Healy)

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							

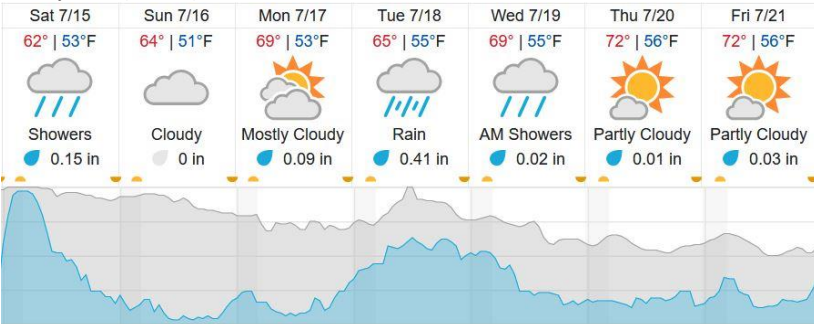
Flown: 0% (0/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 0% (0/33)

Weather Forecast

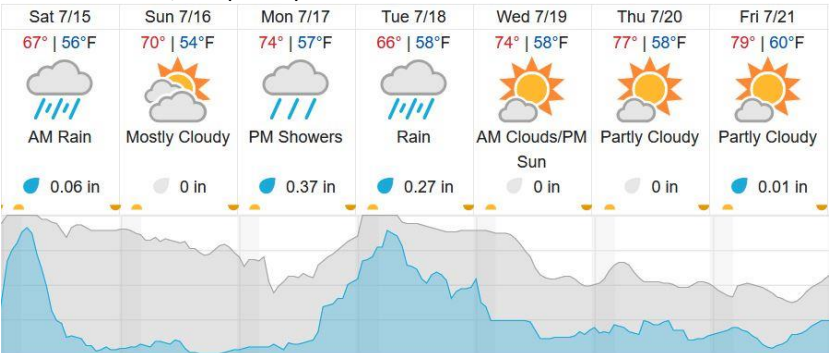
Fairbanks, AK (BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



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

Flight Collection Plan for 15 July 2023

Flyority 1

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

Flight Plan Name: D19_DEJU_R1_P1_P2_v5_PRM.xml

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

Flyority 2

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

Flight Plan Name: D19_DEJU_R1_P1_P2_v5_PRM.xml

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

Flyority 3

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

Flight Plan Name: D19_BONA_C1_P1_v1_PRM.xml

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

Flyority 4

Collection Area: Healy (HEAL)

Flight Plan Name: D19_HEAL_R3_P1_v1_PRM.xml

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

Crew: John (Lidar), Abe (NIS)