



Payload 1 Daily Flight Report



Date: 2023-08-16

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 19 (Taiga)

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

Days left in Domain: 5

Report Author: Abe

Lidar Operators: Abe

Flight Hours: 00:33

Spectrometer Operators: Elissa

Hours until maintenance: 55.93

Pilots: Jeff, Vince

GPS Instruments: C-FAI1, U-PFR2

Summary

Today started off not very promising, but as the 35deg solar angle approached there seemed to be some chance we could collect. The decision was made to launch and attempt to collect at the BONA site. In the short time it took to get off the runway and to the site the low cumulus were already building along with a large rain cell directly in the middle of the flight box. An attempt was made to collect lines at the outer edges of the box, but that effort failed. Mother nature won today. No collections were made.

Concerns

None.

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: 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 |
|---|---|---|---|---|---|---|---|----|

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 |
|----|----|----|----|----|----|----|----|----|----|

Flown: 100% (10/10)
 Green: 100% (10/10)
 Yellow: 0% (0/10)
 Red: 0% (0/10)

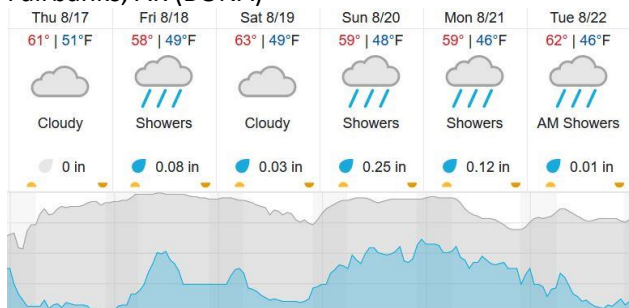
D19|HEAL (Healy)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | | | | | | | |

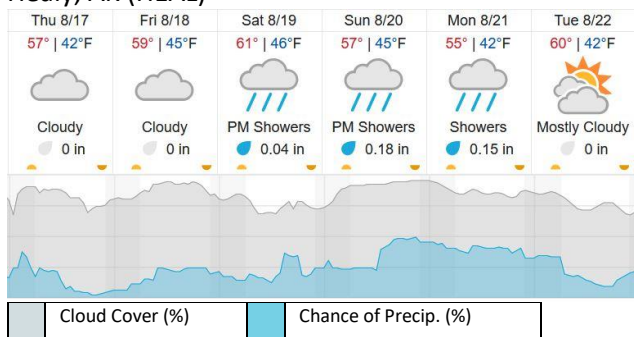
Flown: 100% (33/33)
 Green: 0% (0/33)
 Yellow: 0% (0/33)
 Red: 100% (33/33)

Weather Forecast

Fairbanks, AK (BONA)



Healy, AK (HEAL)



source: wunderground.com

Flight Collection Plan for 17 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: 12:10 L / 20:10 UTC

Flyority 2

Collection Area: Healy (HEAL) **If “green” sky conditions**
 Flight Plan Name: D19_HEAL_R3_P1_v1_PRM.xml
 On-Station Time: 12:00 L / 20:00 UTC

Crew: Elissa (Lidar), Abe (NIS)