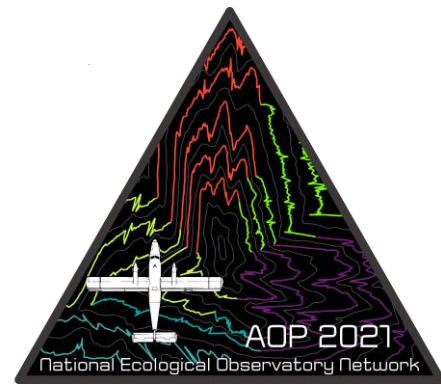




Payload 3 Daily Flight Report



Date: 2021-07-17

Flight Campaign ID: P3C1

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

Aircraft: N615AR

Domain: 19 (Taiga)

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

Days left in Domain: 31

Report Author: Elissa Barris

Lidar Operators: Elissa Barris

Spectrometer Operators: John Adler

Ground: Michael Wussow

Pilots: Stephen Brawders, Vince Maarschalkerweerd

Flight Hours: 00:40

Hours until maintenance: 96.23

GPS Instruments: U-PFR2, 06 - BONA, C-FAI1, C-FAIR

Summary

We thought we had another brief green window at BONA today, but by the time we made it to the site low cumulus and thick haze had formed. Instead of attempting collection in red conditions, we flew two lines to test the functionality of the updated flight plans in saving las files.

Concerns

None.

Comments

After the flight we were able to confirm that las files had been created for each line flown, so the change to the flight plans appears to have solved the problem. A test extraction also confirms this.

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: 11% (5/46)

Green: 7% (3/46)

Yellow: 4% (2/46)

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	22	23	24	25	26	27	28	29	30	31	32								

Flown: 0% (0/32)
 Green: 0% (0/32)
 Yellow: 0% (0/32)
 Red: 0% (0/32)

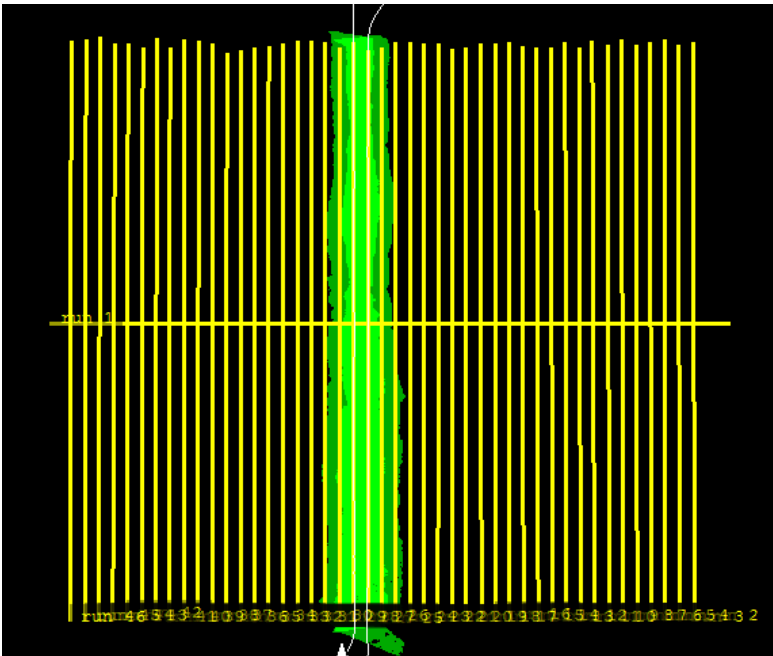
D19 | HEAL (Healy)

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							

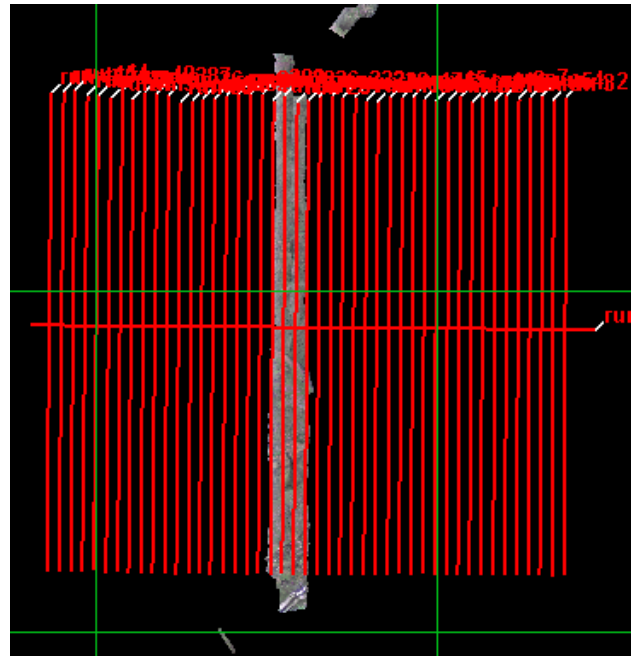
Flown: 61% (20/33)
 Green: 52% (17/33)
 Yellow: 9% (3/33)
 Red: 0% (0/33)

Flight Screenshots

LiDAR

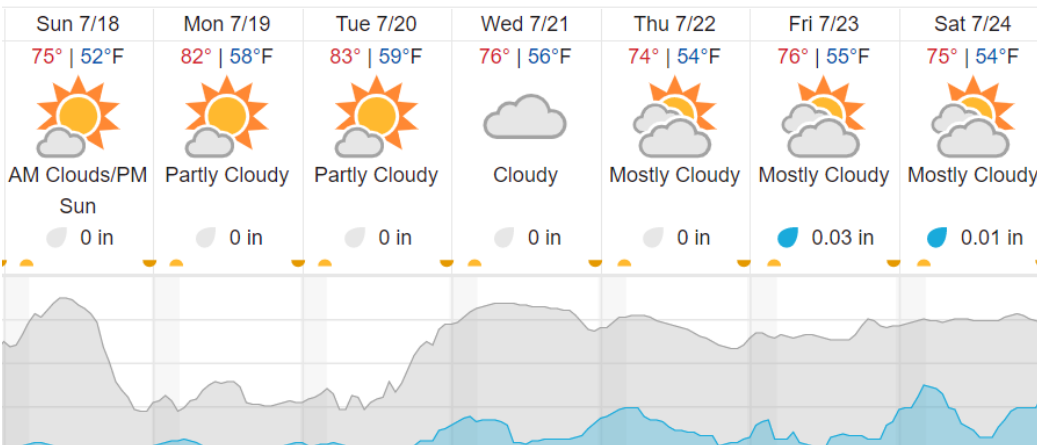


NIS

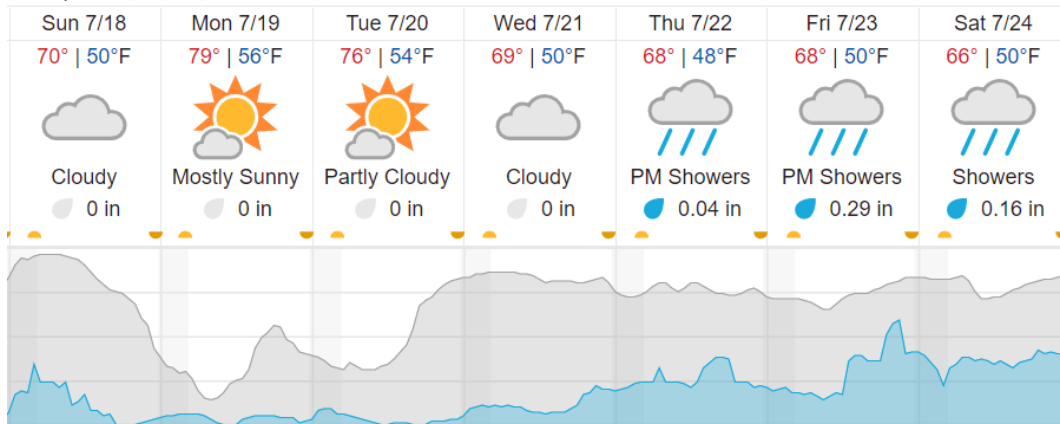


Weather Forecast

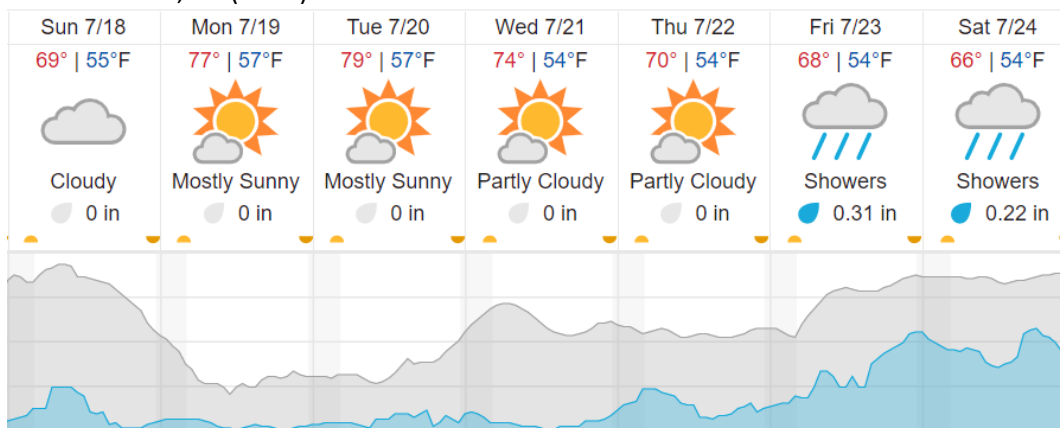
Fairbanks, AK (PAFA, BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



source: wunderground.com

Flight Collection Plan for 18 July 2021

Flyority 1

Collection Area: Healy (HEAL)

Flight Plan Name: D19_HEAL_R3_P1_v1_Q780

On-station Time: 1830 UTC / 1030 L

Flyority 2

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

Flight Plan Name: D19_BONA_C1_P1_v1_Q780

On-station Time: 1830 UTC / 1030 L

Flyority 3

Collection Area: Delta Junction (DEJU) – Priority Flight Box 1 & 2

Flight Plan Name: D19_DEJU_R1_P1_v5_Q780, D19_DEJU_R1_P2_v5_Q780

On-station Time: 1820 UTC / 1020 L

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