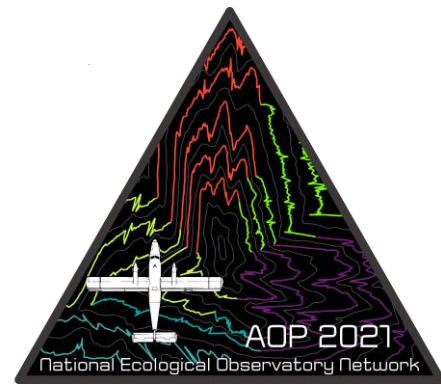




Payload 3 Daily Flight Report



Date: 2021-07-13

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: 35

Report Author: Elissa Barris

Lidar Operators: Elissa Barris

Flight Hours: 00:43

Spectrometer Operators: John Adler

Hours until maintenance: 50.38

Pilots: Stephen Brawders, Vince Maarschalkerweerd

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

Summary

Despite overcast conditions at Healy, skies were clear over Fairbanks early this morning before our required solar angle. We flew to BONA and were able to collect two lines in green conditions, but clouds formed quickly over the area.

Concerns

None.

Comments

Extraction and QA of today's BONA flight and yesterday's HEAL flight both completed successfully on the second attempts, after a check using a CONUS geoid that does not include Alaska was disabled.

Daily Coverage

Estimated Cloud Cover Key

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

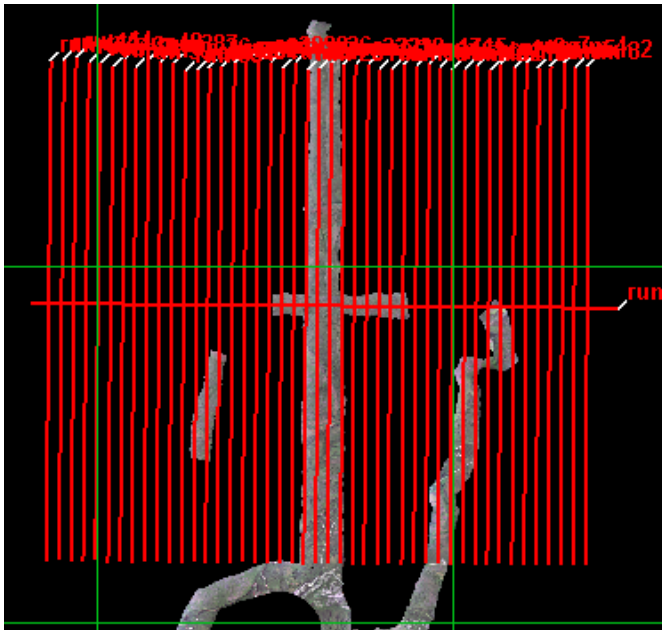
D19|BONA

Line #	23	24
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover	Green	Green

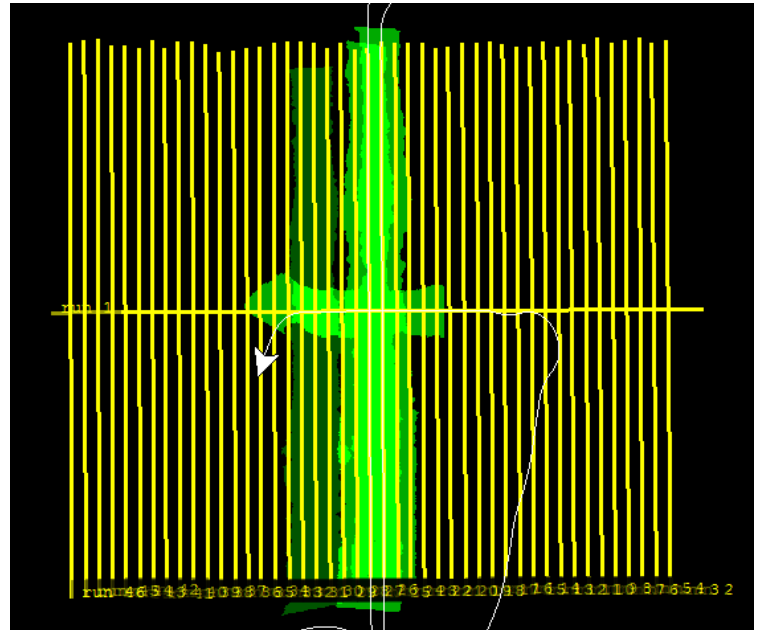
Total number of lines flown: 2

Flight Screenshots

NIS



LiDAR



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: 7% (3/46)

Green: 7% (3/46)

Yellow: 0% (0/46)

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)

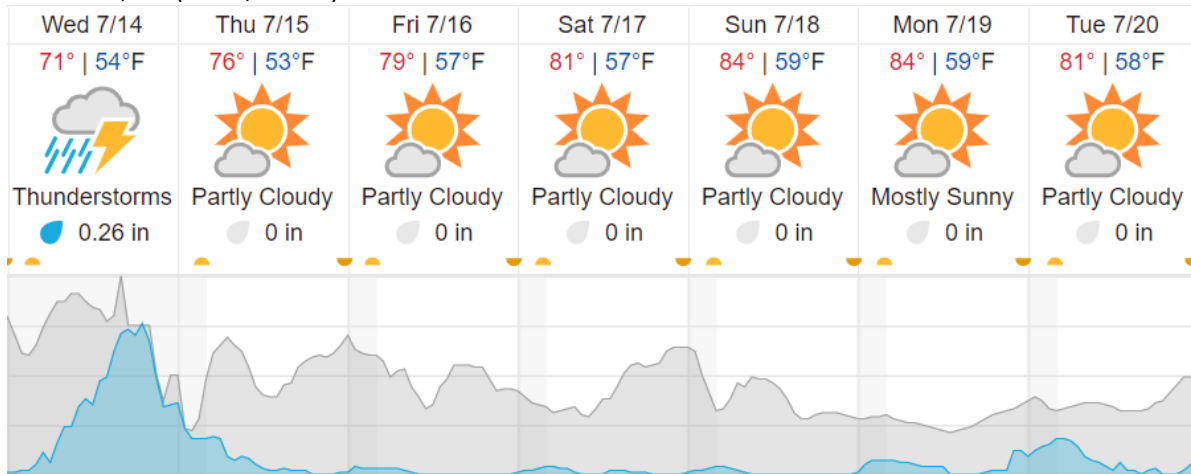
Green: 52% (17/33)

Yellow: 9% (3/33)

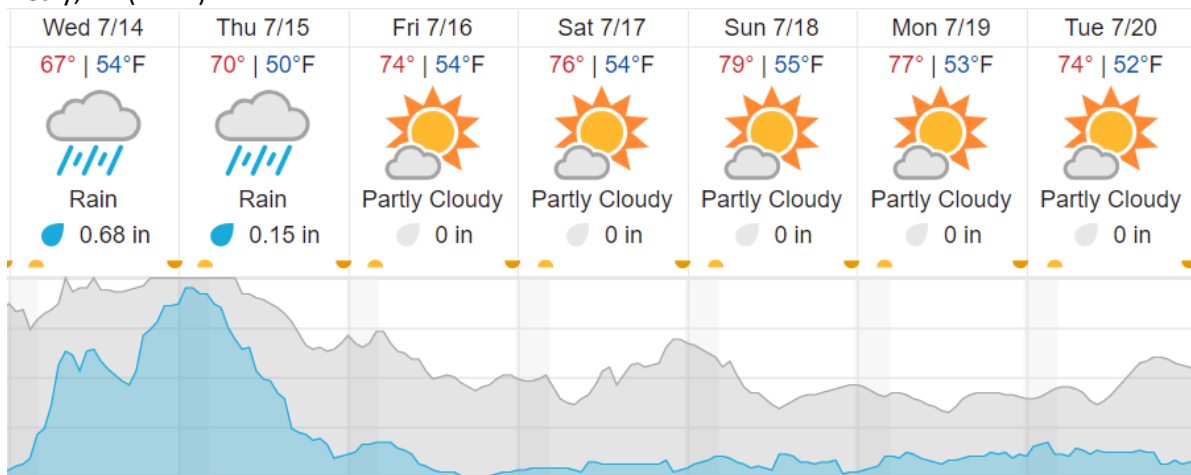
Red: 0% (0/33)

Weather Forecast

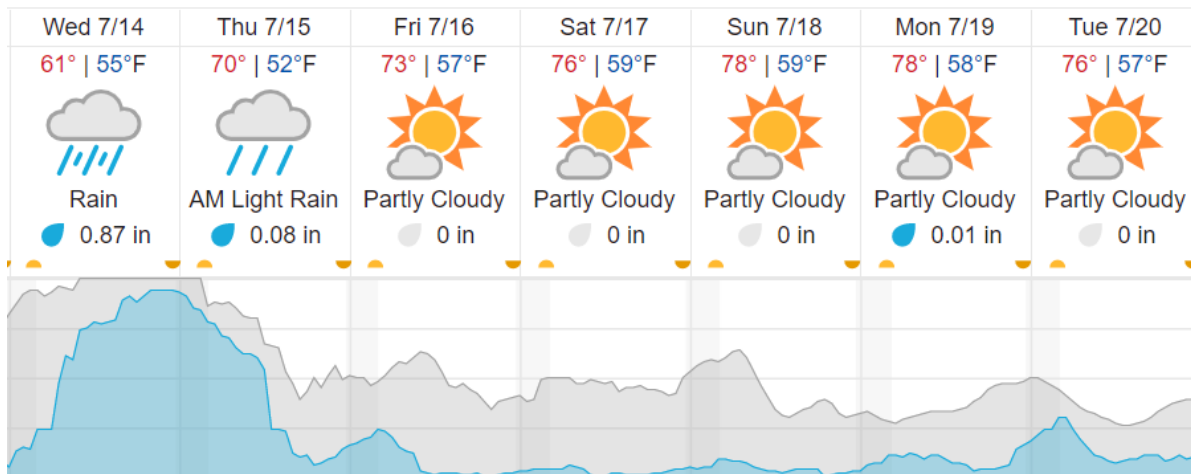
Fairbanks, AK (PAFA, BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



source: wunderground.com

Flight Collection Plan for 14 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 and Elissa