

Payload 1 Daily Flight Report



Date: 2024-07-10 Flight Campaign ID: P1C1 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: 20

Report Author: MikeFlight Hours: 03:04Lidar Operators: MikeFlight Hours: 03:04Spectrometer Operators: JohnHours until maintenance: 103.77Pilots: Will, VinceGPS Instruments: C-FAI1, UAF-PFRR

Summary

The crew took advantage of much improved weather around Fairbanks today. Low priority lines at BONA were covered in yellow and red cloud conditions.

Concerns

None

Comments

None

Daily Coverage

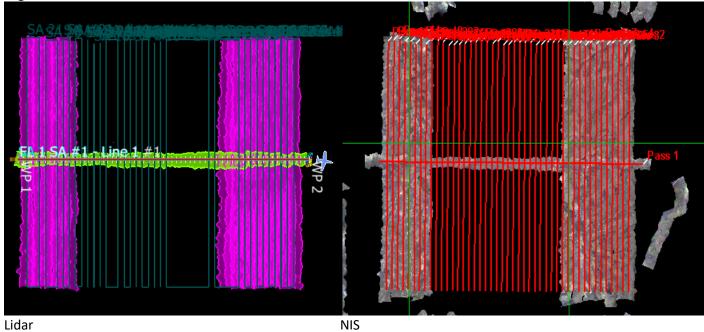
Estimated	I Cloud Co	ver Key
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D19|BONA

Line #	2	3	4	5	6	7	8	9	10	11	12	13	39	40	41	42	43	44	45	46
Lidar	\checkmark																			
Spectrometer	\checkmark																			
Camera	\checkmark																			
Cloud Cover																				

Total number of lines flown: 20

Flight Screenshots



Pictures



Cloudy but flyable conditions at BONA today.

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: 46% (21/46) Green: 0% (0/46) Yellow: 20% (9/46) Red: 26% (12/46)

D19 | DEJU (Delta Junction)

1	2	З	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21																			

Flown: 33% (7/21) Green: 0% (0/21) Yellow: 33% (7/21) Red: 0% (0/21)

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)

D19 | N19A (D19 Nominal Runway)

1 2

Flown: 0% (0/2) Green: 0% (0/2) Yellow: 0% (0/2) Red: 0% (0/2)

Weather Forecast

Fairbanks, AK (BONA)

Thu 7/11 66° l 50°F	Fri 7/12 75° 54°F	Sat 7/13 68° 53°F	Sun 7/14 65° 51°F	Mon 7/15 65° 50°F	Tue 7/16 63° 49°F	Wed 7/17 66° 51°F
////	*	\bigcirc	Ř			
Rain	Mostly Sunny	Cloudy	Mostly Cloudy	AM Showers	Showers	AM Showers
🥑 0.26 in	0 in	0 in	🥑 0.05 in	🥑 0.04 in	🥑 0.12 in	🥑 0.01 in

Healy, AK (HEAL)

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Thu 7/11	Fri 7/12	Sat 7/13	Sun 7/14	Mon 7/15	Tue 7/16	Wed 7/17
63° 46°F	66° 49°F	60° 46°F	61° 45°F	59° 43°F	60° 44°F	62° 45°F
	*	\bigcirc		À		
Showers	Mostly Sunny	Cloudy	AM Showers	Mostly Cloudy	AM Showers	Showers
0.09 in	🖉 0 in	🥑 0.03 in	🥑 0.01 in	🥑 0.03 in	🥑 0.08 in	0 .12 in
				\sim		
		~~~~		~~~~	$\sim$	h

#### Delta Junction, AK (DEJU) Thu 7/11 Fri 7/12 Sat 7/13 Sun 7/14 Mon 7/15 Tue 7/16 Wed 7/17 66° | 49°F 72° | 54°F 66° | 52°F 65° | 50°F 65° | 48°F 62° | 48°F 64° | 48°F Showers Mostly Sunny Cloudy Mostly Cloudy AM Showers AM Showers AM Showers 0 in 🕖 0.03 in 🔵 0.22 in 0 in 🔵 0.1 in 🔵 0.08 in 🕖 0.04 in Cloud Cover (%) Chance of Precip. (%)

source: wunderground.com

### Flight Collection Plan for 11 July 2024

Flyority 1 Collection Area: Caribou Creek – Poker Flats Watershed (BONA) Flight Plan Name: D19_BONA_C1_P1_v2_PRM.xml On-Station Time: 10:30 L / 18:30 UTC

Flyority 2 Collection Area: Healy (HEAL) Flight Plan Name: D19_HEAL_R3_P1_v2_PRM.xml On-Station Time: 10:30 L / 18:30 UTC Flyority 3 Collection Area: Delta Junction (DEJU) – Priority Flight Box 1 Flight Plan Name: D19_DEJU_R1_P1_P2_v6_PRM.xml On-Station Time: 10:20 L / 18:20 UTC

Flyority 4 Collection Area: Delta Junction (DEJU) – Priority Flight Box 2 Flight Plan Name: D19_DEJU_R1_P1_P2_v6_PRM.xml On-Station Time: 10:20 L / 18:20 UTC

Flyority 5 Collection Area: Nominal Runway – D19 Flight Plan Name: D19_N19A_Nominal_Runway_Test_v2_PRM.xml

Crew: John (Lidar), Mike (NIS)