



August 18, 2019 Payload 2 Daily Flight Report



Date: 2019-08-18

Flight Campaign ID: 2019_P2C1

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

Domain: 19

Sites Flown: DEJU (Delta Junction)

Days left in Domain: 1

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Robb Walker

Ground/GPS: Ivana Vu

Pilots: Paul Muth, Micah Hoogeveen

Additional Personnel:

GPS Instruments: C-FAI1, U-AC71, U-AC72

Flight Hours: 03:29

Hours until maintenance: 27.73

Summary

Clear skies in the morning near BONA quickly clouded up before solar angle start time. However, clouds lifted just high enough over Delta Junction this afternoon and the remaining 11 lines were collected under cloudy skies.

Concerns

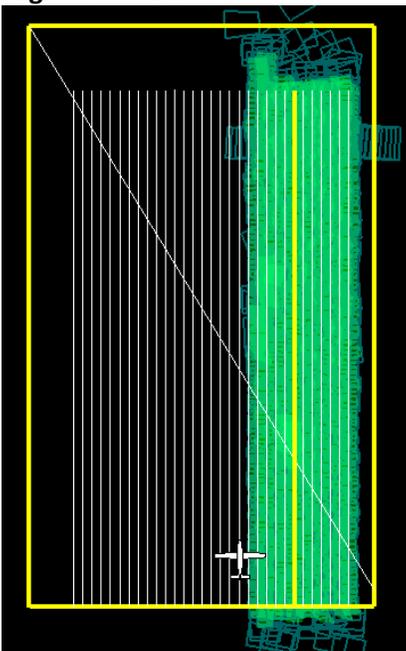
None

Comments

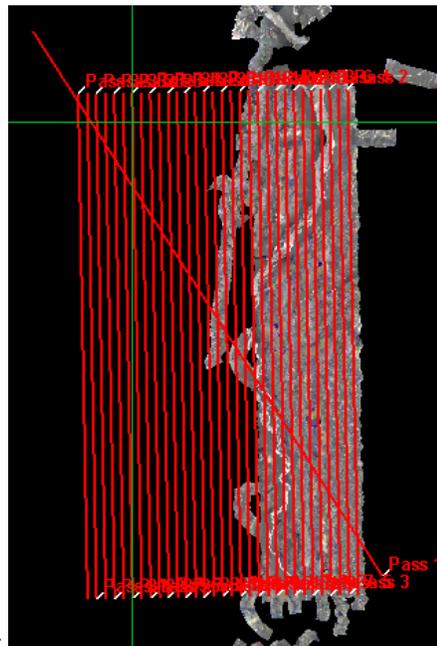
-Initially several lines were cut short on south end due to rain in that area. Those gaps were able to be filled in after the rain moved out of the box

-Due to the potential of the remnants of Typhoon Krosa pushing nasty weather across the North Pacific into Alaska by Wednesday, the pilots and crew have agreed that it is best to begin the transit to Grand Junction, CO one day early. N70AR will depart on Tuesday to take advantage of favorable flying weather for the long trip.

Flight Screenshots



Lidar



NIS

Pictures



Clouds and sun over DEJU



Fresh snow in the Alaska Range foothills

Daily Coverage

D19 DEJU	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
Flown:	11							

Cumulative Domain Coverage

BONA

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: 100% (46/46)

Green: 0% (0/46)

Yellow: 0% (0/46)

Red: 102% (47/46)

DEJU

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: 100% (32/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 119% (38/32)

HEAL

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: 70% (23/33)

Green: 0% (0/33)

Yellow: 0% (0/33)

Red: 70% (23/33)

N19A

1																			
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Flown: 0% (0/1)

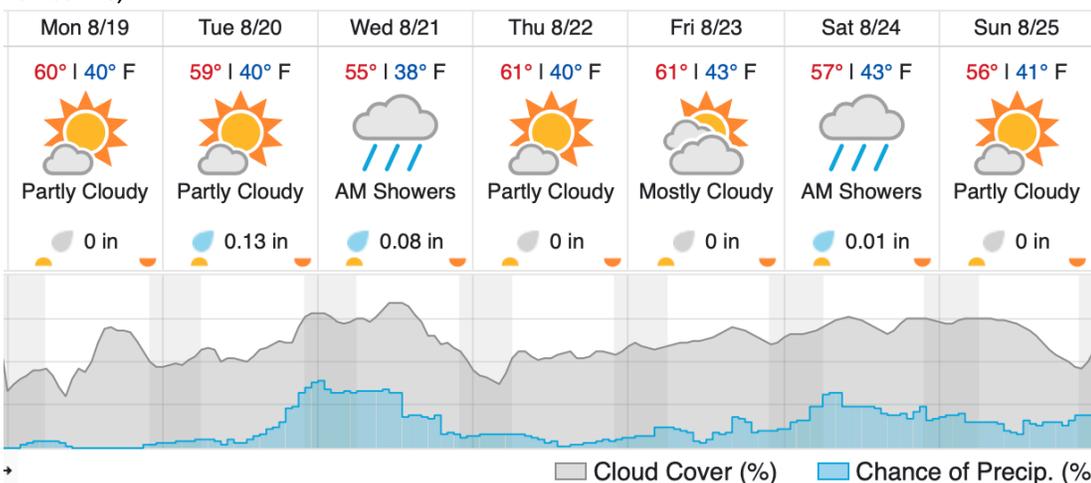
Green: 0% (0/1)

Yellow: 0% (0/1)

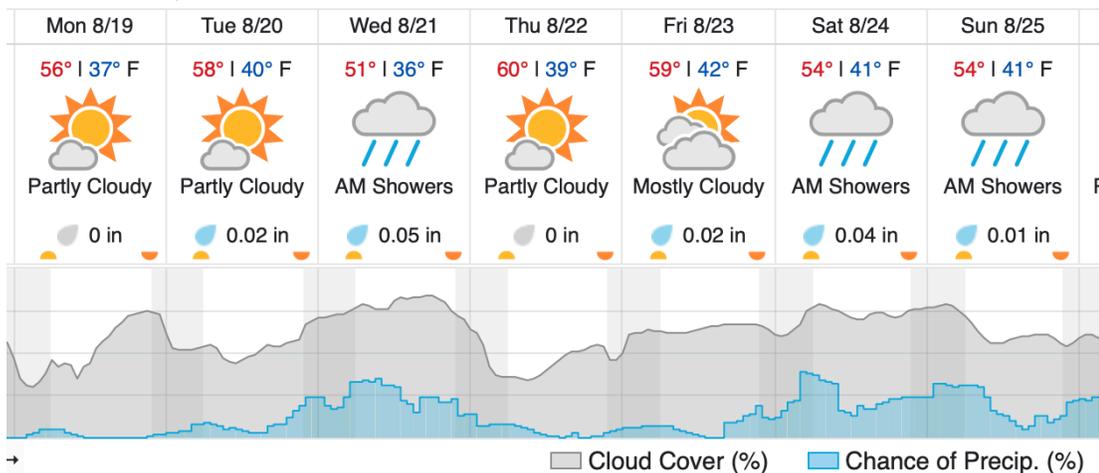
Red: 0% (0/1)

Weather Forecast

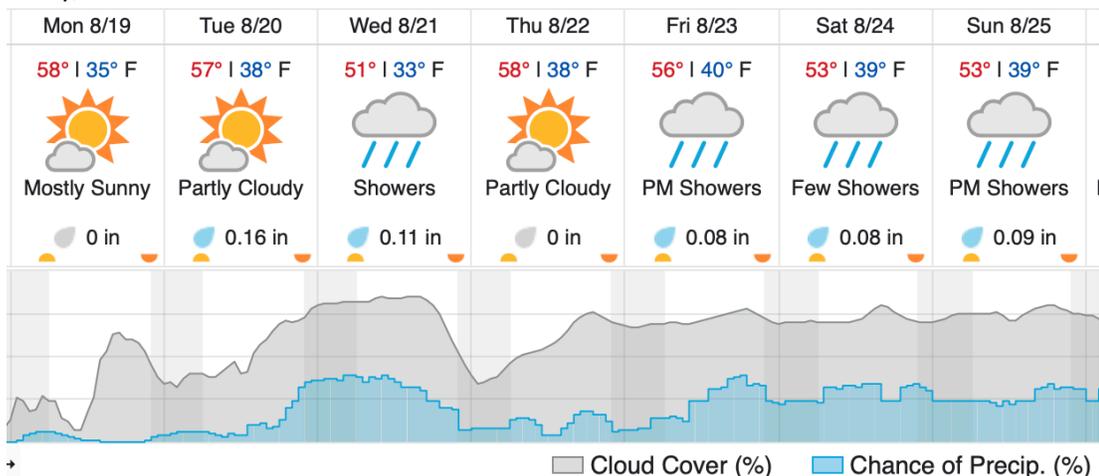
Fairbanks, AK



Delta Junction, AK



Healy, AK



Flight Collection Plan for 19 August 2018

Flyority 1:

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

Flight Plan Name: D19_BONA_C1_P1_730max_v2.pln

On-station Time: 20:20 UTC / 12:20 L (35 deg solar angle)

*Only if green conditions exist

Flyority 2:

Collection Area: Delta Junction (DEJU)

Flight Plan Name: D19_DEJU_R1_P1_730max_v3.pln

On-station Time: 20:00 UTC / 12:00 L (35 deg solar angle)

*If BONA completed Green and Green conditions exist

Flyority 3:

Collection Area: Healy (HEAL)

Flight Plan Name: D19_HEAL_R3_P1_730max_v1.pln

On-station Time: 20:20 UTC / 20:20 L (35 deg solar angle)

*Lines 1-11

Flyority 4:

Collection Area: Nominal Runway – D19

Flight Plan Name: D19_N19A_Nominal_Runway_Test_v1.pln

On-station time: N/A

Crew: Ivana Vu (Lidar), Michael Wussow (NIS) Robb Walker (Ground/GPS)

Flight Collection Plan for 20 August 2019

Begin Transit to Grand Junction

Crew: Ivana Vu