



August 12, 2019 Payload 2 Daily Flight Report



Date: 2019-08-12

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: 8

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Robb Walker

Ground/GPS:

Pilots: Paul Muth, Micah Hoogeveen

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

Flight Hours: 04:54

Hours until maintenance: 31.22

Summary

It was a nice day in the Interior of Alaska today and Payload 2 was able to get airborne and complete a full flight. With initial collection of priority 1 site BONA complete and high thin cirrus causing "red" conditions, we focused on priority 2 area, Delta Junction.

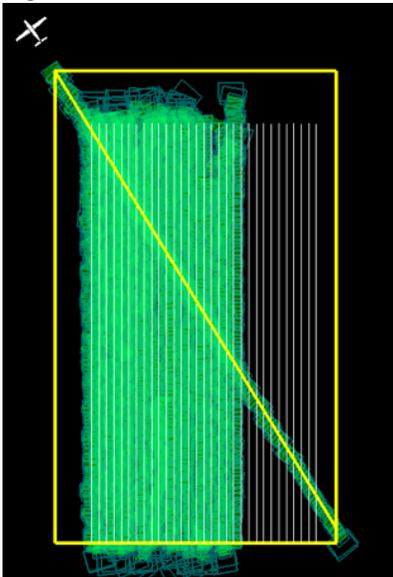
Concerns

- A "red flag" military exercise is ongoing in the Restricted and MOA airspace that DEJU is located near and in. Luckily today, operations impacting us, ended just before our on-station time. Exercise could continue for the next week.
- A few of the northern ends of our lines had to be cut short as they are too close to a restricted area causing TRACON to become concerned and request early break off

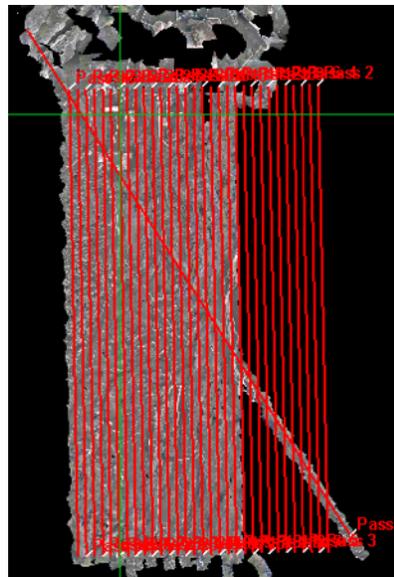
Comments

- Completed 21 of 32 lines at DEJU including all priority airshed and TOS lines
- The pilots had their hands very full with the "fast moving" military traffic and TRACON/Range controller requests. Great job to Paul and Micah

Flight Screenshots



Lidar



NIS

Pictures



Trident Glacier, Mount Moffit (left), and Mount Shand (right) en route along the Alaska Range to the DEJU survey site



Thick haze and high thin cirrus over DEJU today

Daily Coverage

D19 DEJU	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
Flown:	21							

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: 66% (21/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 66% (21/32)

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)

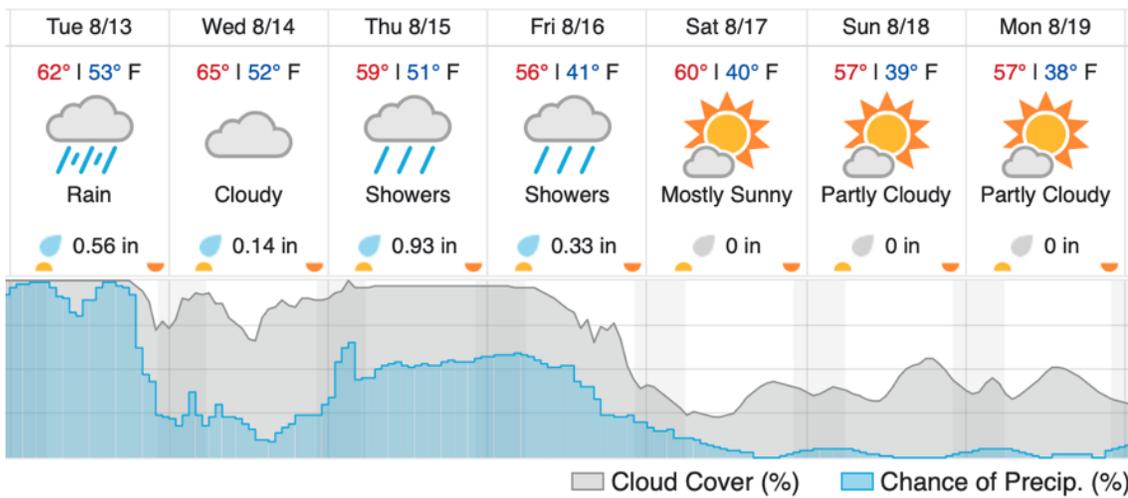
N19A

1

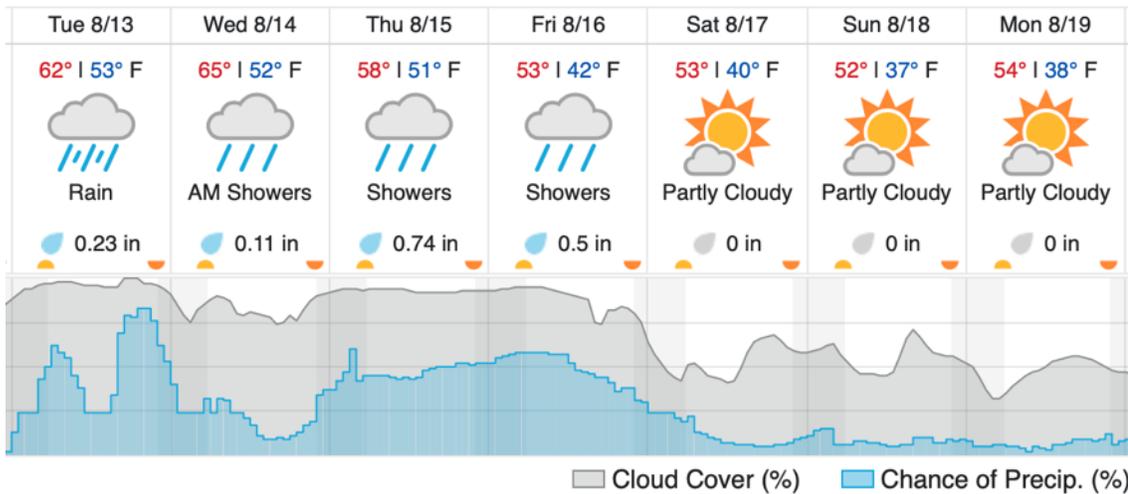
Flown: 0% (0/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

Weather Forecast

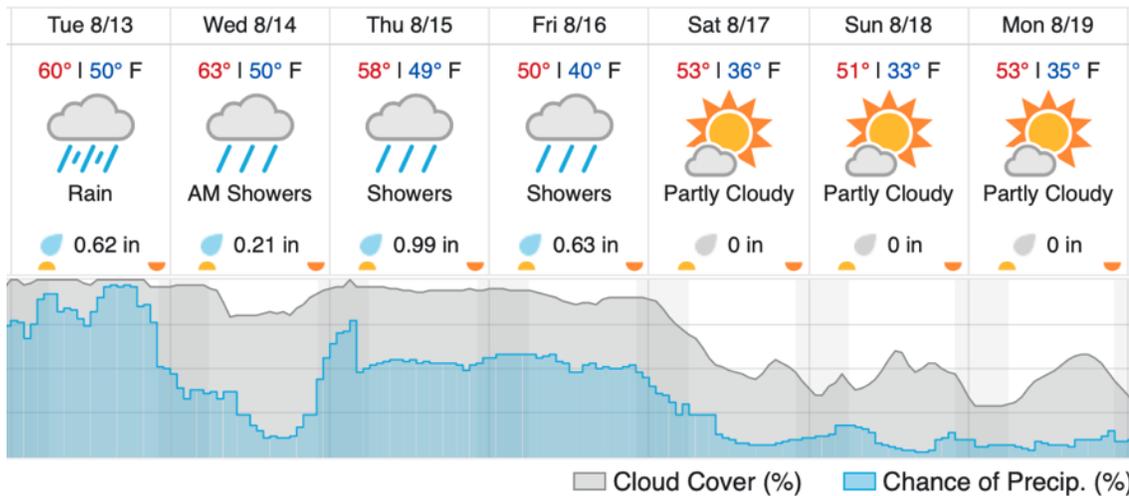
Fairbanks, AK



Delta Junction, AK



Healy, AK



Flight Collection Plan for 13 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: 19:50 UTC / 11:50 L (35deg 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: 19:30 UTC / 11:30 L (35deg solar angle)

*Lines 1-12

Flyority 3:

Collection Area: Healy (HEAL)

Flight Plan Name: D19_HEAL_R3_P1_730max_v1.pln

On-station Time: 19:50 UTC / 11:50 L (35deg 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: Robb Walker (Lidar), Michael Wussow (NIS)

Flight Collection Plan for 14 August 2019

Flyority 1-4: Same as previously briefed

Crew: Michael Wussow (Lidar), Robb Walker (NIS)