



## August 11, 2018 Payload 2 Daily Flight Report



**Date:** 2018-08-11

**Flight Campaign ID:** 2018\_P2C1

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

**Domain:** 19

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

**Days left in Domain:** 12

**Report Author:** Heather Rogers

**Flight Crew:** Heather Rogers, John Adler, None

**Ground/GPS:** Robb Walker

**Pilots:** Dylan Malfatti, Mike Francis

**Additional Personnel:** None

**GPS Instruments:** 02 - FBO\_PAFA, C-FAI1, UAF-PFR2, C-FAIR

**Flight Hours:** 03:45

**Hours until maintenance:** 49.43

### Summary

With rain in the forecast for the next week, the crew completed initial coverage at the BONA site under >10% cloud cover conditions. Initial coverage is now complete for all D19 sites. The crew will only fly again under <10% cloud cover conditions.

### Concerns

N/A

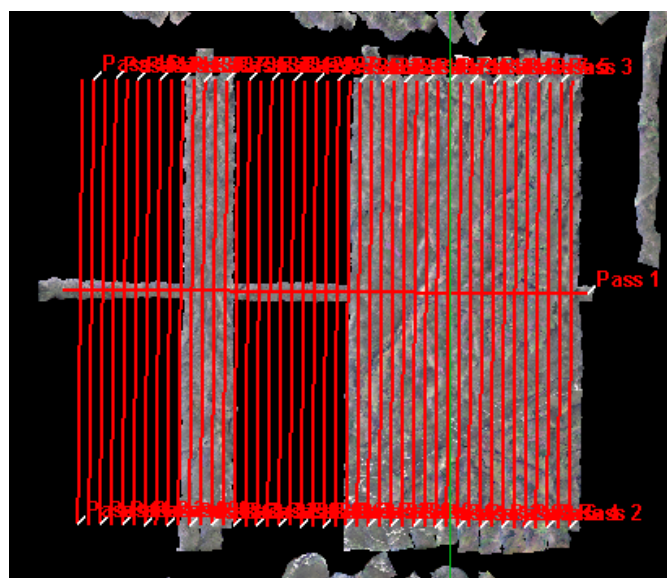
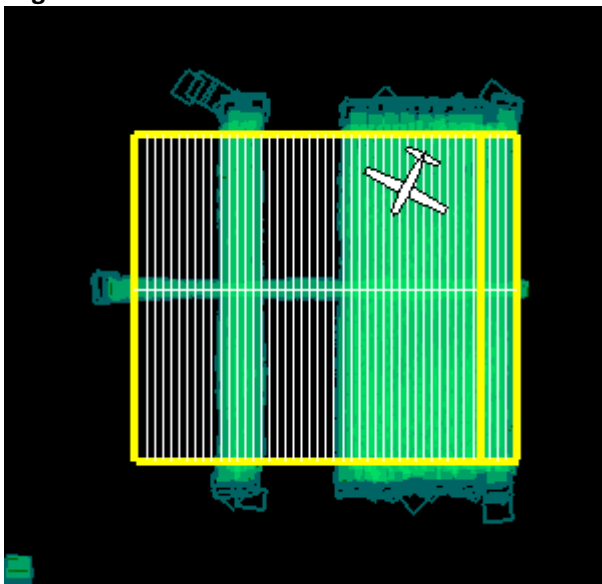
### Comments

-External GPS data for July 31 flight uploaded to ECS today.

-2018081018 flight is being re-extracted.

-3 non-priority lines (2, 3, 4) were flown outside of the solar angle in non-green conditions.

### Flight Screenshots



### Pictures



*Above: Cloud conditions during today's flight.*



Above: Northernmost chair lift in Northern America, Mt. Aurora Skiland.

**Daily Coverage**

D19 BONA	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC

	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
Flown:	25							

**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: 24% (11/46)  
 Red: 83% (38/46)

**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: 44% (14/32)  
 Yellow: 0% (0/32)  
 Red: 62% (20/32)

**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: 100% (33/33)  
 Green: 36% (12/33)  
 Yellow: 67% (22/33)  
 Red: 21% (7/33)

**N19A**

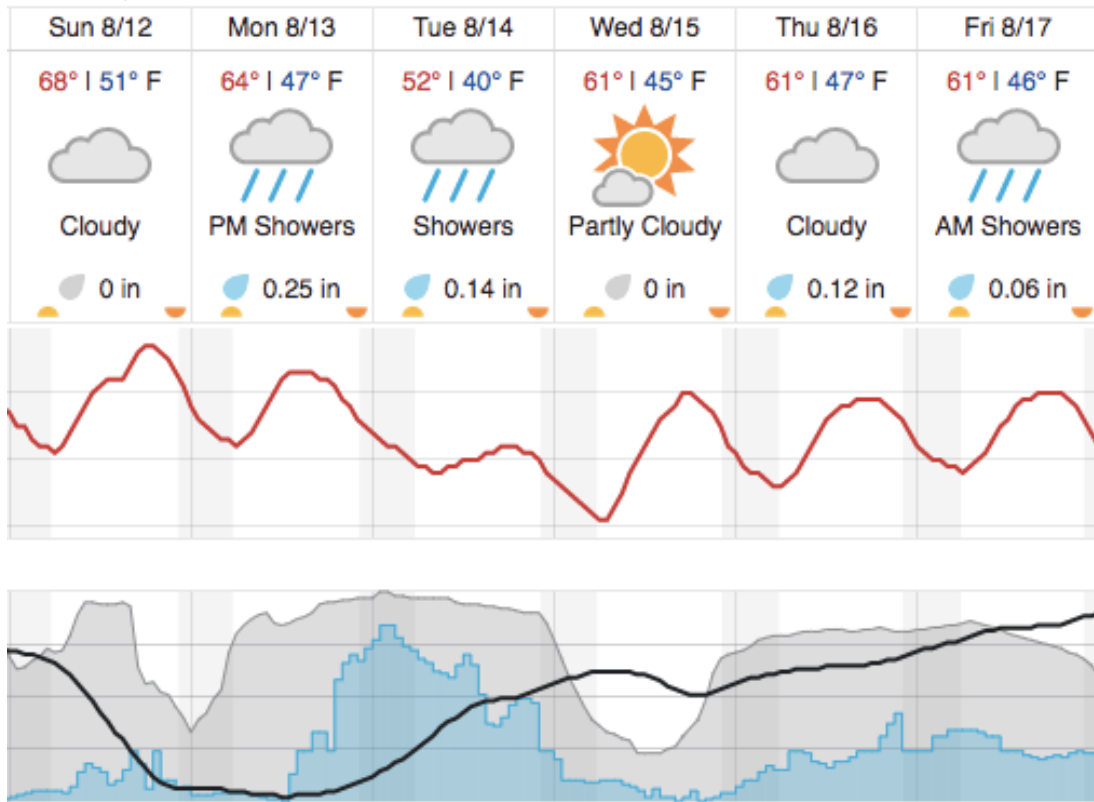
1
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Flown: 100% (1/1)  
 Green: 0% (0/1)  
 Yellow: 0% (0/1)  
 Red: 100% (1/1)

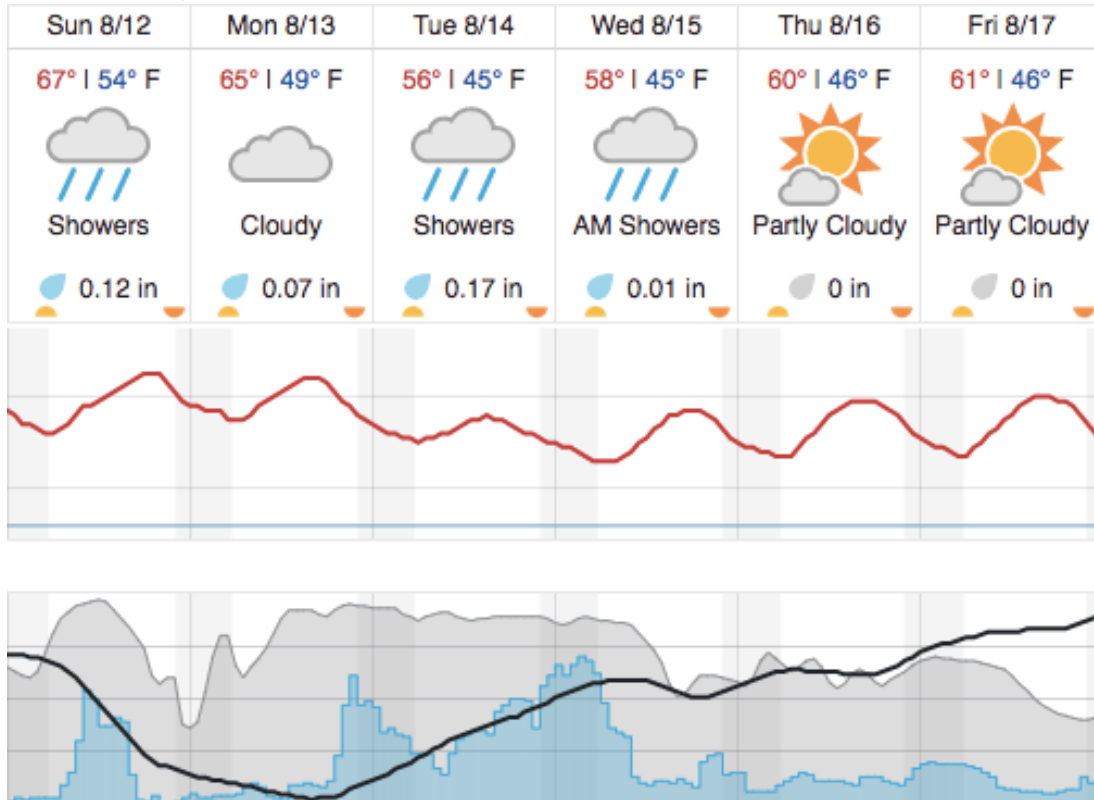
**Weather Forecast**



**Fairbanks, AK**



**Delta Junction, AK**



**Flight Collection Plan for 12 August 2018**

**Flyority 1:**

Collection Area: Delta Junction (DEJU), *if sky conditions are green*

Flight Plan Name: D19\_DEJU\_R1\_P1\_730max\_v2.pln

On-station Time: 1920 UTC / 1120 L

**Flyority 2:**

Collection Area: Caribou Creek – Poker Flats Watershed (BONA), *if sky conditions are green*

Flight Plan Name: D19\_BONA\_C1\_P1\_730max\_v2.pln

On-station Time: 1950 UTC / 1140 L

**Flyority 3:**

Collection Area: Healy (HEAL), *if sky conditions are green*

Flight Plan Name: D19\_HEAL\_R3\_P1\_730max\_v1.pln

On-station Time: 1930 UTC / 1130 L

Crew: Robb Walker (Lidar), Heather Rogers (NIS), John Adler (Ground/GPS)

**Flight Collection Plan for 12 August 2018**

**Flyority:** Same as previous day

Crew: John Adler (Lidar), Robb Walker (NIS), Heather Rogers (Ground/GPS)