



## August 19, 2019 Payload 2 Daily Flight Report



**Date:** 2019-08-19

**Flight Campaign ID:** 2019\_P2C1

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

**Domain:** 19

**Sites Flown:** HEAL (Healy), N19A (D19 Nominal Runway)

**Days left in Domain:** 0

**Report Author:** Ivana Vu

**Flight Crew:** Ivana Vu, Michael Wussow

**Ground/GPS:** Robb Walker

**Pilots:** Micah Hoogeveen, Paul Muth

**Additional Personnel:** None

**GPS Instruments:** C-FAI1, U-GRNX

**Flight Hours:** 03:56

**Hours until maintenance:** 23.80

### **Summary**

Before the start of the 35-degree solar angle, higher priority BONA and DEJU sites were cloudy while HEAL had clear skies. Flight crew re-collected priority lines at HEAL to "green up" data until cloud cover increased to 10%, then moved to the eastern side of the box to complete initial coverage at the site. The plane has been packed and is prepared for an early transit to D14 (El Paso, TX) tomorrow morning.

### **Concerns**

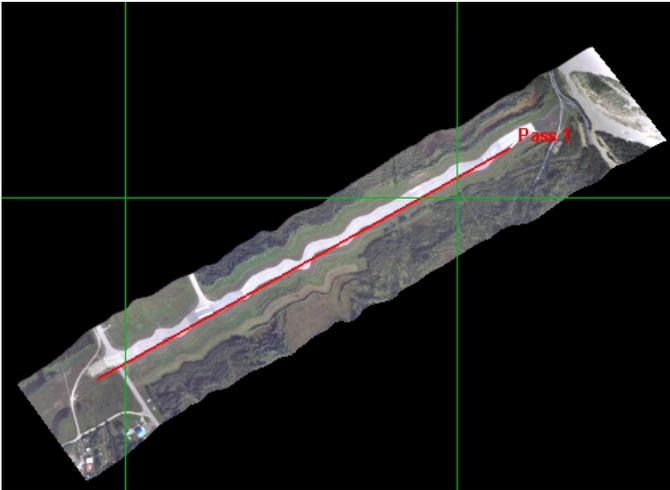
Camera crashed during collection and was restarted in-flight

### **Comments**

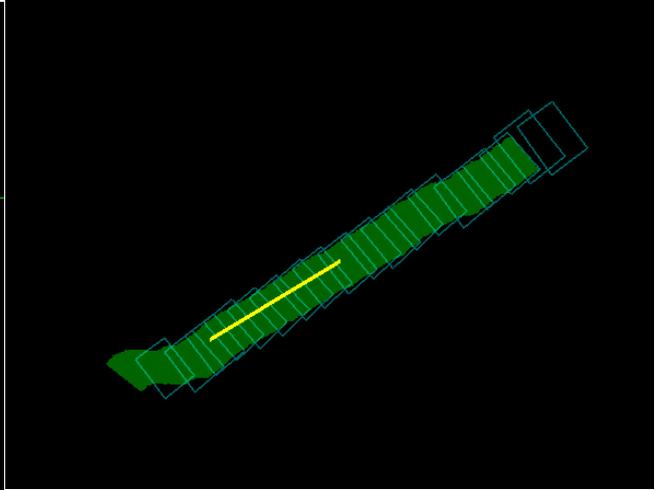
- Mike and Robb will ship remaining equipment to D14 and depart D18 on Wednesday
- Aircraft will stop in Grand Junction, CO to undergo scheduled maintenance before continuing to D14
- Payload has been shut down

# Flight Screenshots

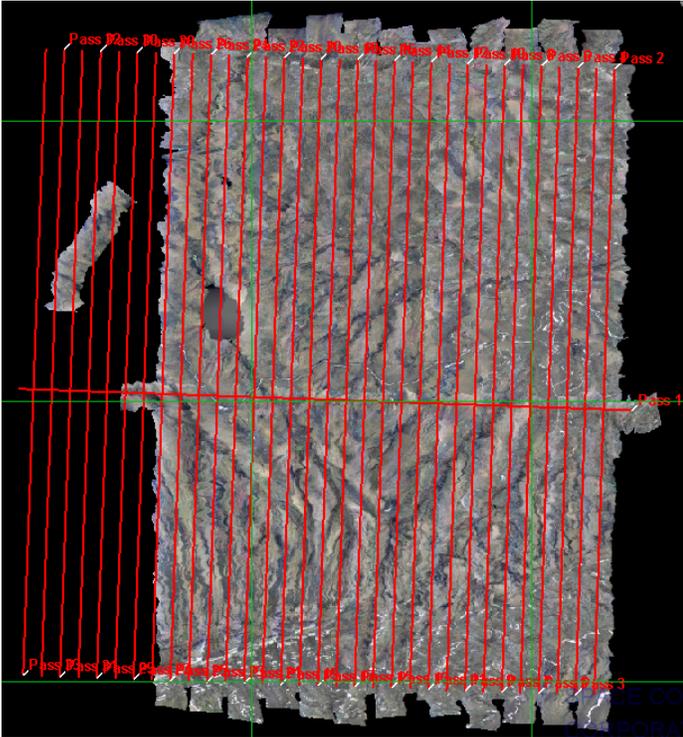
## N19 NIS



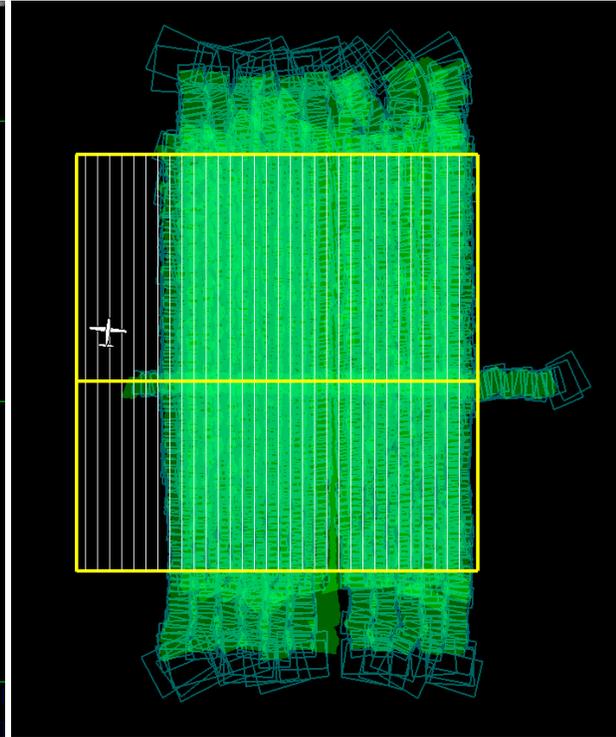
## N19 Lidar



## HEAL NIS



## HEAL Lidar



**Pictures**

Healy site with a view of Mount Denali (highest peak in North America, 20,310')



**Daily Coverage**

D19 HEAL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	×	NL
	4				✓	✓	×	NL
	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				✓	✓	×	NL
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
Flown:	25							
D19 N19A	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
Flown:	1							

**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: 100% (33/33)  
 Green: 42% (14/33)  
 Yellow: 33% (11/33)  
 Red: 70% (23/33)

**N19A**

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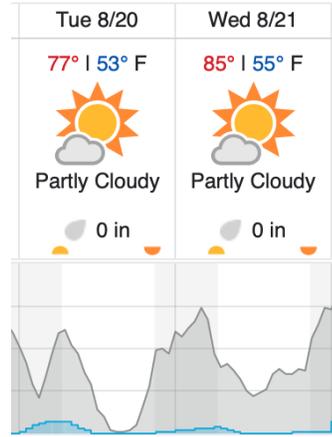
Flown: 100% (1/1)  
 Green: 100% (1/1)  
 Yellow: 0% (0/1)  
 Red: 0% (0/1)

## Weather Forecast

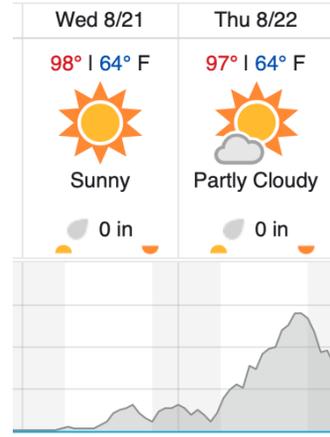
Fairbanks, AK



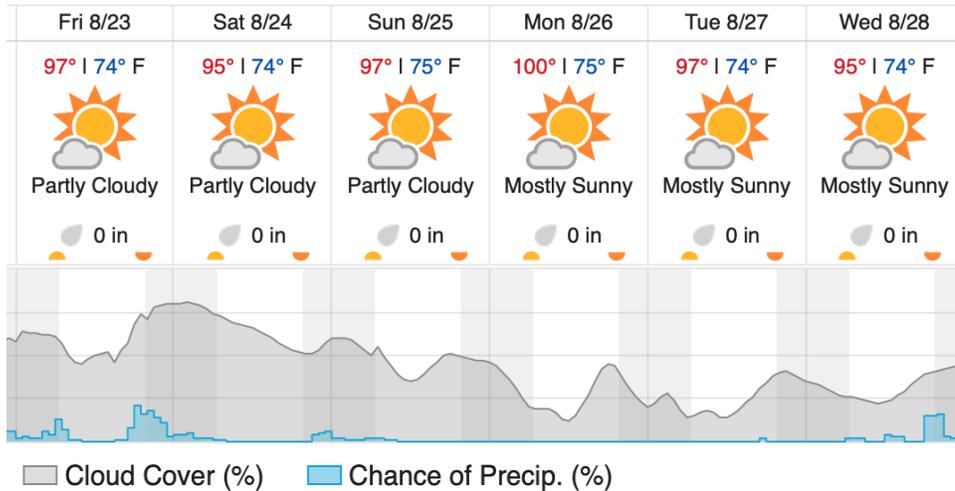
Calgary, Canada



Grand Junction, CO



El Paso, TX



## Flight Collection Plan for 20-23 August 2019

Transit to D14 via Calgary and Grand Junction

Crew: Ivana Vu