



June 28, 2019 Payload 2 Daily Flight Report



Date: 2019-06-28

Flight Campaign ID: 2019_P2C1

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

Domain: 19

Sites Flown: HEAL (Healy)

Days left in Domain: 2

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Cameron Chapman

Flight Hours: 00:55

Ground/GPS:

Hours until maintenance: 77.47

Pilots: Mark Solper, Stephen Brawdars

Additional Personnel:

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

Summary

Webcams showed unexpectedly clear skies over Healy this morning, which rallied the crew to take flight chasing a green collect opportunity. Once airborne, it was observed that the smoke layer was much worse than initially detectable from the ground. Unlike the other day, the smoke layer didn't dissipate as we approached Healy, and it was determined that the layer was too thick to warrant collections.

Concerns

Amount of smoke from interior Alaska wildfires is beginning to become an issue. Will continue to monitor and evaluate impacts.

Comments

None

Cumulative Domain Coverage

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: 0% (0/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 0% (0/32)

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)

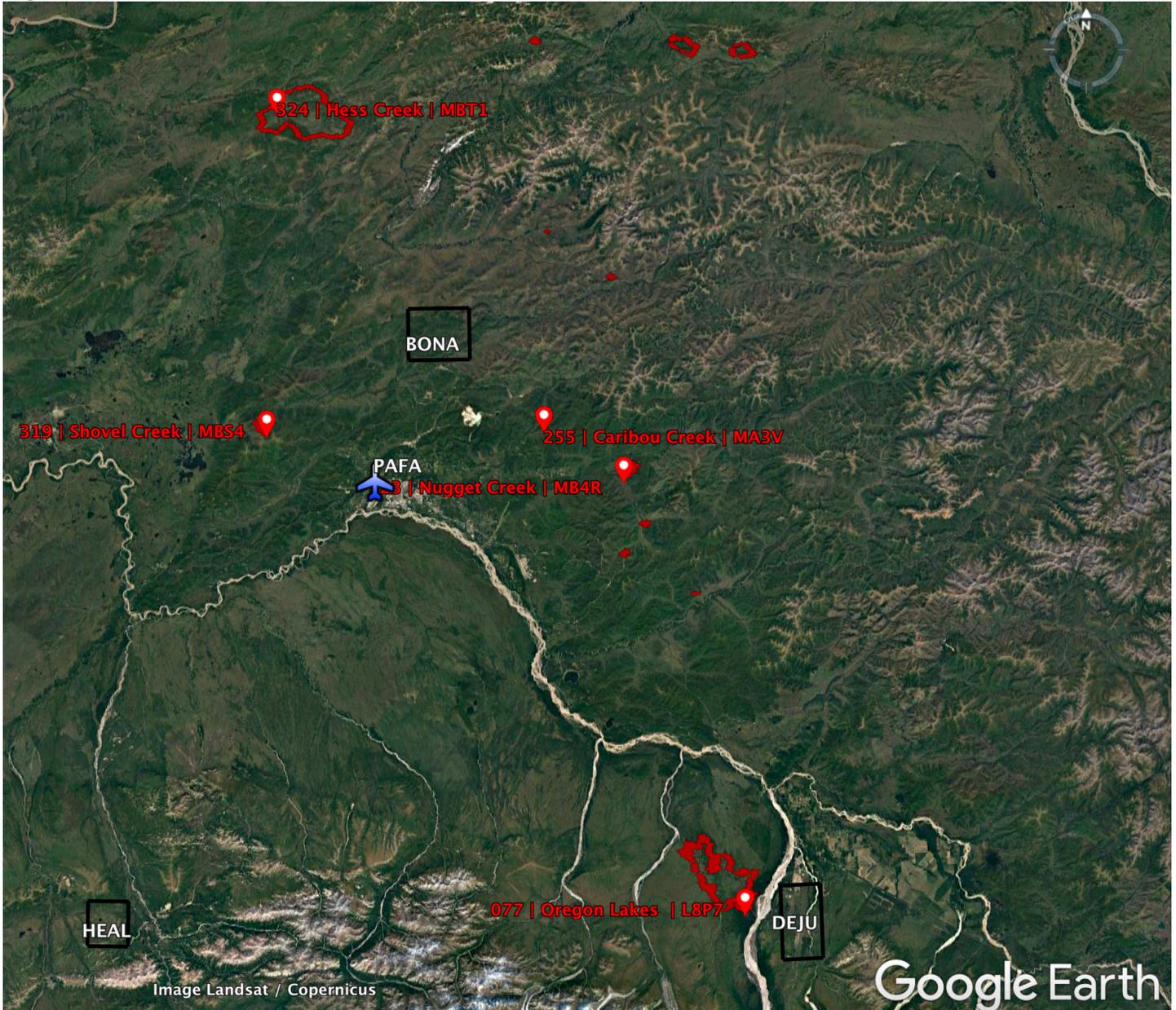
Red: 70% (23/33)

N19A

1

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

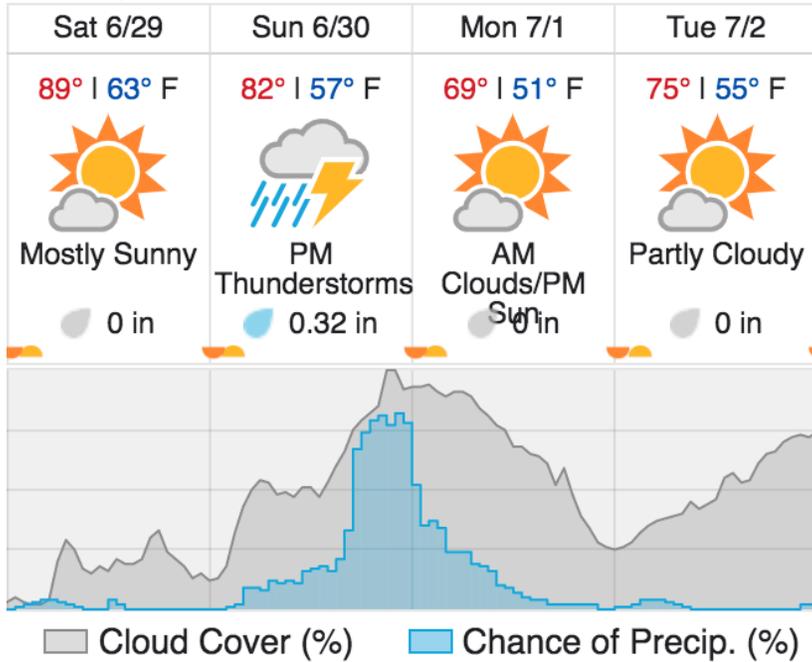
Flight Screenshots



Above: Locations of active wildfires (though differing levels of containment) in relation to NEON D19 Flight boxes. KMZ available through Alaska Wildland Fire Information and the Alaska Interagency Coordination Center (AICC).

Weather Forecast

Fairbanks, AK



Flight Collection Plan for 29 June 2019

Flyority 1:

Collection Area: Delta Junction (DEJU)

Flight Plan Name: D19_DEJU_R1_P1_730max_v3.pln

On-station Time: 17:55 UTC / 09:55 L (35deg solar angle)

Flyority 2:

Collection Area: Healy (HEAL) 1-11

Flight Plan Name: D19_HEAL_R3_P1_730max_v1.pln

On-station Time: 18:08 UTC / 10:08 L (35deg solar angle)

Flyority 3:

Collection Area: Nominal Runway – D19

Flight Plan Name: D19_N19A_Nominal_Runway_Test_v1.pln

On-station time: n/a

Crew: Cameron Chapman (Lidar), (NIS) Mitch Haynes