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
Flight Hours: 03:45
Ground/GPS: Robb Walker
Hours until maintenance: 49.43
Pilots: Dylan Malfatti, Mike Francis
Additional Personnel: None
GPS Instruments: 02 - FBO_PAFA, C-FAI1, UAF-PFR2, C-FAIR

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

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**Cumulative Domain Coverage**

**BONA**

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Flown: 100% (46/46)  
Green: 0% (0/46)  
Yellow: 24% (11/46)  
Red: 83% (38/46)

**DEJU**

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Flown: 100% (32/32)  
Green: 44% (14/32)  
Yellow: 0% (0/32)  
Red: 62% (20/32)

**HEAL**

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

**N19A**

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

**Weather Forecast**
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)