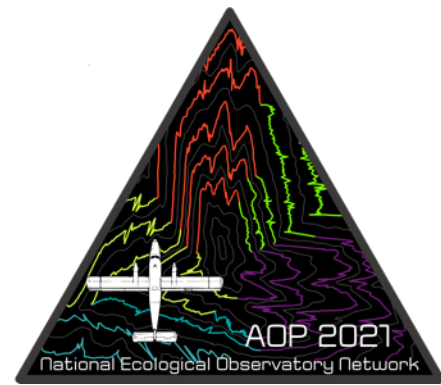




Payload 3 Daily Flight Report



Date: 2021-07-21
Flight Campaign ID: P3C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Aircraft: N615AR

Domain: 19 (Taiga)
Sites Flown: None
Days left in Domain: 27

Report Author: Michael Wussow
Lidar Operators: Michael Wussow
Spectrometer Operators: John Adler
Pilots: Vince Maarschalkerweerd, Stephen Brawders
Ground Crew: None

Flight Hours: 0:00
Hours until maintenance: 93.6
GPS Instruments: None

Summary

Overcast skies today prevented any attempted collections. NIS-3 system is confirmed ready for surveys after completing a pumping-cooling-getter reactivation cycle yesterday. The pump was removed today, and the payload is on standby for collections.

Concerns

None.

Comments

- Reduced bandwidth settings for the DEJU tower camera do not seem to have enabled successful passthrough. Luckily a FAA webcam is not too far away and will be helpful.
- The crew pulled out the plane today for a prop gauge check on a new one that was installed in N615AR. It checked out.
- Bug fixes were made to the telemetry alert code, and it seems to be working nominally now. Thanks Christian and Andrew!

Cumulative Domain Coverage

D19 | BONA (Caribou Creek and Poker Flats Watershed)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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: 7% (3/46)
 Green: 7% (3/46)
 Yellow: 0% (0/46)
 Red: 0% (0/46)

D19|DEJU (Delta Junction)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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)

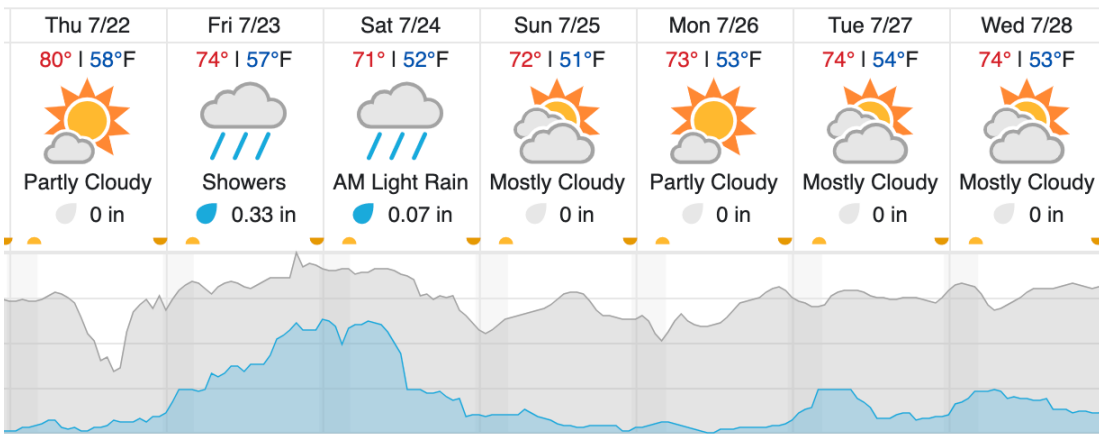
D19|HEAL (Healy)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | | | | | | | |

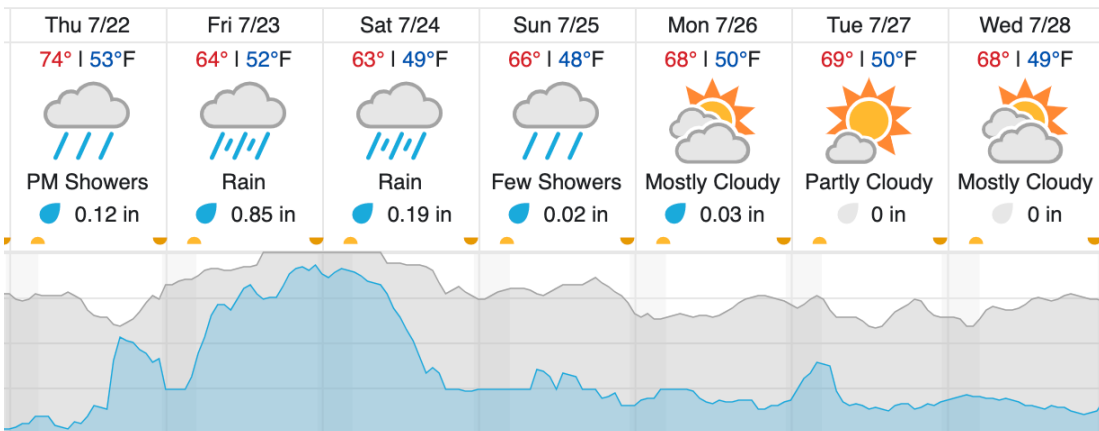
Flown: 79% (26/33)
 Green: 70% (23/33)
 Yellow: 9% (3/33)
 Red: 0% (0/33)

Weather Forecast

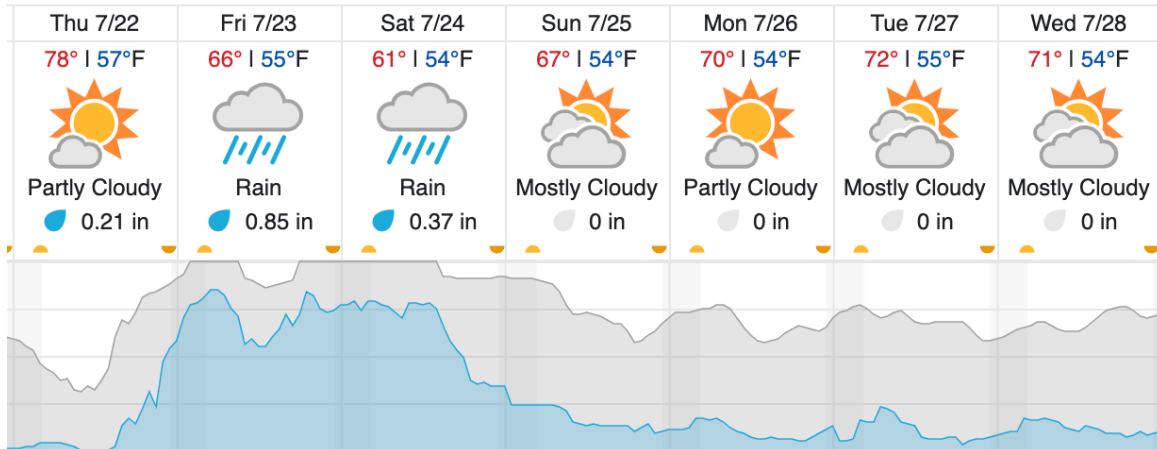
Fairbanks, AK (PAFA, BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



| | |
|-----------------|-----------------------|
| Cloud Cover (%) | Chance of Precip. (%) |
|-----------------|-----------------------|

source: wunderground.com

Flight Collection Plan for 22 July 2021

Flyority 1

Collection Area: Healy (HEAL)

Flight Plan Name: D19_HEAL_R3_P1_v1_Q780

On-station Time: 1850 UTC / 1050 L

Flyority 2

Collection Area: Caribou Creek – Poker Flats Watershed (BONA)

Flight Plan Name: D19_BONA_C1_P1_v1_Q780

On-station Time: 1850 UTC / 1050 L

Flyority 3

Collection Area: Delta Junction (DEJU) – Priority Flight Box 1 & 2

Flight Plan Name: D19_DEJU_R1_P1_v5_Q780, D19_DEJU_R1_P2_v5_Q780

On-station Time: 1830 UTC / 1030 L

Crew: John (Lidar), Mike (NIS)