Payload 1 Daily Flight Report

Date: 2023-08-15
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Aircraft: N331AR

Domain: 19 (Taiga)
Sites Flown: BONA (Caribou Creek and Poker Flats Watershed)
Days left in Domain: 6

Report Author: Elissa
Lidar Operators: Elissa  Flight Hours: 00:22
Spectrometer Operators: Abe  Hours until maintenance: 56.48
Pilots: Jeff, Vince

Summary
We attempted a flight today in hopes of collecting BONA, specifically the lines falling within a fire TFR that was lowered for today only. Prior to our noon solar angle collection would have been possible, but low cumulus started building up and were too obstructing by the time we reached the site. We were forced to turn back without collecting. We held for a hoped-for later attempt, however conditions failed to improve as forecast.

Concerns
None.

Comments
The BONA TFR is over an active burn and most likely will not be removed or lowered for us again before we leave, occluding lines 29-46.

Cumulative Domain Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D19|BONA (Caribou Creek and Poker Flats Watershed)

|   |   |   |   |   |   |   |   |   |   | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41|
| 41| 42| 43| 44| 45| 46|

Flown: 20% (9/46)
Green: 0% (0/46)
Yellow: 0% (0/46)
Red: 20% (9/46)
D19|DEJU_P1 (Delta Junction)
Flown: 100% (9/9)
Green: 100% (9/9)
Yellow: 0% (0/9)
Red: 0% (0/9)

D19|DEJU_P2 (Delta Junction)
Flown: 100% (10/10)
Green: 100% (10/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

D19|HEAL (Healy)
Flown: 100% (33/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 100% (33/33)

Weather Forecast

Fairbanks, AK (BONA)

Healy, AK (HEAL)

source: wunderground.com
Flight Collection Plan for 16 August 2023

Flyority 1
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_v1_PRM.xml
On-Station Time: 12:10 L / 20:10 UTC

Flyority 2
Collection Area: Healy (HEAL) **If “green” sky conditions**
Flight Plan Name: D19_HEAL_R3_P1_v1_PRM.xml
On-Station Time: 12:00 L / 20:00 UTC

Crew: Abe (Lidar), Elissa (NIS)