Payload 1 Daily Flight Report

Date: 2023-07-17
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK
Aircraft: N331AR

Domain: 19 (Taiga)
Sites Flown: None
Days left in Domain: 35

Report Author: Cameron
Lidar Operators: Cameron
Spectrometer Operators: Abe
Pilots: Vince, Jeff

Flight Hours: 00:00
Hours until maintenance: 67.50

Summary
The crew mobilized to the airport this morning with clearish skies visible in the tower cameras and a small collection window in the forecast. Unfortunately, clouds began to develop above and below flight altitude prior to solar angle. No flight was conducted.

Concerns
- None

Comments
- The crew conducted an ADHOC tour of NASA’s ABOVE payload and their new Spectrometer. They are currently sharing a hangar with our aircraft.

Daily Coverage
Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green:</th>
<th>Yellow:</th>
<th>Red:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10%</td>
<td>11-50%</td>
<td>&gt;50%</td>
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</tbody>
</table>

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

Flown: 0% (0/10)
Green: 0% (0/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

D19|DEJU_P2 (Delta Junction)

Flown: 0% (0/11)
Green: 0% (0/11)
Yellow: 0% (0/11)
Red: 0% (0/11)

D19|HEAL (Healy)

Flown: 0% (0/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 0% (0/33)

Weather Forecast
Delta Junction, AK (DEJU)

Fairbanks, AK (BONA)
Healy, AK (HEAL)

Flight Collection Plan for 18 July 2023

Flyority 1
Collection Area: Delta Junction (DEJU) – Priority Flight Box 1
Flight Plan Name: D19_DEJU_R1_P1_P2_v5_PRM.xml
On-Station Time: 10:20 L / 18:20 UTC

Flyority 2
Collection Area: Delta Junction (DEJU) – Priority Flight Box 2
Flight Plan Name: D19_DEJU_R1_P1_P2_v5_PRM.xml
On-Station Time: 10:20 L / 18:20 UTC

Flyority 3
Collection Area: Caribou Creek – Poker Flats Watershed (BONA)
Flight Plan Name: D19_BONA_C1_P1_v1_PRM.xml
On-Station Time: 10:30 L / 18:30 UTC

Flyority 4
Collection Area: Healy (HEAL)
Flight Plan Name: D19_HEAL_R3_P1_v1_PRM.xml
On-Station Time: 10:30 L / 18:30 UTC

Crew: Abe (Lidar), Cameron (NIS)