Payload 3 Daily Flight Report

Date: 2023-08-27
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N934MU

Domain: 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau)
Sites Flown: None
Days left in Domain: 7

Report Author: Mitch
Lidar Operators: Mitch     Flight Hours: 00:00
Spectrometer Operators: Cameron   Hours until maintenance: 73.07
Pilots: Justin, Will
Ground Crew: John

Summary
Early clouds over Estes Park and the Rocky Mountain National Park flight box grew throughout the solar angle, eventually producing showers and isolated thunderstorm activity in the afternoon. No flights were conducted.

Concerns
None

Comments
None

Cumulative Domain Coverage
D10|ARIK (Arikaree River)

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Flown: 100% (33/33)
Green: 100% (33/33)
Yellow: 0% (0/33)
Red: 0% (0/33)

D10|RMNP (Rocky Mountain National Park)

| 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 |

Flown: 89% (34/38)
Green: 68% (26/38)
Yellow: 18% (7/38)
Red: 3% (1/38)

D13|NIWO (Niwot Ridge Mountain Research Station)

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 42| 43| 44| 45| 46| 47| 48| 49| 50 | 51 | 52|

Flown: 100% (51/51)
Flight Collection Plan for August 28\textsuperscript{th}, 2023

\textbf{Flyority 1}
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10\_RMNP\_R2\_P1\_v2\_Q780
On-Station Time: 16:00 UTC / 10:00 L

\textbf{Crew:} John (Lidar), Mitch (NIS), Cam (Ground)