Payload 3 Daily Flight Report

Date: 2023-08-15
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N934MU

Domain: 13 (Southern Rockies & Colorado Plateau)
Sites Flown: NIWO (Niwot Ridge Mountain Research Station)
Days left in Domain: 11

Report Author: Matt
Lidar Operators: Matt
Flight Hours: 04:17
Spectrometer Operators: Cameron
Hours until maintenance: 77.62
Pilots: Justin, Will
GPS Instruments: AOP_KBDU, AOP_NIWO
Ground Crew: Mitch

Summary
With clear skies throughout the front range, the crew was able to get airborne and collect 42 lines and a cross strip of the NIWO flight box in severe clear sky conditions.

Concerns
None

Comments
None

Daily Coverage

Estimated Cloud Cover Key

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<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
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D13|NIWO

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Total number of lines flown: 42

Flight Screenshots

![Flight Screenshots](image)

Pictures

![Pictures](image)

NIWOT tower site

Cumulative Domain Coverage

D13 | NIWO (Niwot Ridge Mountain Research Station)

|    | 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 |
Flown: 83% (43/52)
Green: 83% (43/52)
Yellow: 0% (0/52)
Red: 0% (0/52)

D13|WLOU (West St. Louis Creek)

Flown: 0% (0/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 0% (0/14)

Weather Forecast
Nederland, CO (NIWO)

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

Flyority 1
Collection Area: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v5_Q780
On-Station Time: 15:50 UTC / 09:50 L

Flyority 2
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v2_Q780
On-Station Time: 15:50 UTC / 09:50 L

Flyority 3
Collection Area: West St. Louis Creek (WLOU)
Flight Plan Name: D13_WLOU_A1_P1_ Q780
On-Station Time: 15:50 UTC / 09:50 L

Crew: Mitch (Lidar), Matt (NIS), Cameron (Ground)