Payload 3 Daily Flight Report

Date: 2023-08-16
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: 10

Report Author: Mitch
Lidar Operators: Mitch
Spectrometer Operators: Matt
Pilots: Justin, Will
Ground Crew: Cameron

Flight Hours: 00:00
Hours until maintenance: 77.62

Summary
Clear skies this morning had the crew mobilizing to continue collection efforts over NIWO and RMNP. However after towing out and competing system starts, clouds were observed forming over the mountains and in both tower cameras prior to start of solar angle. Crew delayed taking off, and eventually cancelled flights and towed back in the hangar as clouds continued to grow throughout the morning.

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)

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- Flown: 58% (22/38)
- Green: 37% (14/38)
- Yellow: 18% (7/38)
- Red: 3% (1/38)

D13|NIWO (Niwot Ridge Mountain Research Station)

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Flown: 82% (42/51)
Green: 82% (42/51)
Yellow: 0% (0/51)
Red: 0% (0/51)

D13 | WLOU (West St. Louis Creek)

Flown: 0% (0/13)
Green: 0% (0/13)
Yellow: 0% (0/13)
Red: 0% (0/13)

Weather Forecast
Nederland, CO (NIWO)

Allenspark, CO (RMNP)
Flight Collection Plan for August 17th 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:** Cam (Lidar), Mitch (NIS), Matt/John (Ground)