Date: 2024-08-06
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N821AR

Domain: 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau)
Sites Flown: RMNP (Rocky Mountain National Park), NIWO (Niwot Ridge Mountain Research Station)
Days left in Domain: 20

Report Author: Matt
Lidar Operators: Matt
Spectrometer Operators: Hours until maintenance: 98.27
Pilots: Vince, Manning
Ground Crew: Elissa

Summary
The crew completed a functional check flight early this morning then proceeded to the NIWO and RMNP sites to collect Lidar and camera data. 25 lines were collected in total.

Concerns
Slight fuel smell still present during flight. We’ll continue to monitor.

Comments
None

Daily 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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<tbody>
<tr>
<td>Solar Angle Less Than 40 degrees</td>
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<td>Line #</td>
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D13|NIWO

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<tbody>
<tr>
<td>Lidar</td>
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Total number of lines flown: 17
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Total number of lines flown: 8

**Flight Screenshots**

**Cumulative Domain Coverage**

D13 | NIWO (Niwot Ridge Mountain Research Station)

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Flown: 100% (51/51)
Green: 100% (51/51)
Yellow: 0% (0/51)
Red: 0% (0/51)

D13 | WLOU (West St. Louis Creek)

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Flown: 92% (12/13)
Green: 92% (12/13)
Yellow: 0% (0/13)
Red: 0% (0/13)
Flight Collection Plan for 7 August 2024

Flyority 1
Collection Area: Niwot Ridge Mountain Research Station
Flight Plan Name: D13_NIWO_C1_P1_v5_Q780
On-station Time: 1540 UTC / 0940 L

Flyority 2
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v4_Q780
On-station Time: 1540 UTC / 0940 L

Flyority 3
Collection Area: Arikaree River (ARIK) – Priority 1 & 2 Flight Box
Flight Plan Name: D10_ARIK_A1_P2_v3_Q780
On-station Time: 1520 UTC / 0920 L

Flyority 4
Collection Area: Northern Utah Priority 1 Flight Plan
Flight Plan Name: D15_CTWD_S1_P1_v1
On-station Time: 1520 UTC / 0920 L

Flyority 5
Collection Area: Northern Utah Priority 2 Flight Plan
Flight Plan Name: D15_CTWD_S1_P2_v1
On-station Time: 1520 UTC / 0920 L

Crew: Elissa (Lidar), Nick (NIS), Matt (Ground)