Date: 2021-09-18  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO  
Aircraft: N615AR

Domain: 10 (Central Plains)  
Sites Flown: B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)  
Days left in Domain: 0

Report Author: Nick Marusich  
Lidar Operators: Nick Marusich  
Spectrometer Operators: Matt Devoe  
Pilots: Scott Hayward, Will Mathews  
Ground Crew: Abe Morrison  
Flight Hours: 02:26  
Hours until maintenance: 6.77  
GPS Instruments: AOP_KBDU, U-CHLL

Summary  
The Payload 3 crew was greeted with clear skies this morning to complete post-season calibration flights. The Greeley Boresight was completed under green but hazy conditions.

Barring any data issues, this completes the 2021 season for Payload 3.

Concerns  
The NIS kml for 500m was not inline with the flight lines. John Musinsky sent a corrected version for extraction and was successful.

Comments  
The payload will be removed Monday morning and flown back to Grand Junction CO.

Daily Coverage

<table>
<thead>
<tr>
<th>Estimated Cloud Cover Key</th>
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<tbody>
<tr>
<td>Green: 0-10%</td>
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<tr>
<td>Yellow: 11-50%</td>
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<tr>
<td>Red: &gt;50%</td>
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D10|B10E

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Total number of lines flown: 20
Flight Screenshots
Pictures
None.

Cumulative Domain Coverage

D10|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

Flown: 100% (20/20)
Green: 100% (20/20)
Yellow: 0% (0/20)
Red: 0% (0/20)

D10|H10C (NEON Headquarters Lidar Test - Riegl)

Flown: 100% (4/4)
Green: 100% (4/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

D10|N10D (Nominal Runway at KBDU - Riegl)

Flown: 86% (24/28)
Green: 0% (0/28)
Yellow: 86% (24/28)
Red: 0% (0/28)

D10|O10B (NIS Offset - Riegl)

Flown: 100% (2/2)
Green: 100% (2/2)
Yellow: 0% (0/2)
Red: 0% (0/2)
D10|R10C (Table Mountain Radiometric Calibration - Riegl)

- Flown: 100% (5/5)
- Green: 100% (5/5)
- Yellow: 0% (0/5)
- Red: 0% (0/5)

D10|W10C (Wiggle Timing Test - Riegl)

- Flown: 100% (2/2)
- Green: 0% (0/2)
- Yellow: 100% (2/2)
- Red: 0% (0/2)