Date: 2022-04-22
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N70AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 3

Report Author: Mitch
Lidar Operators: Cameron, Mitch, Abe, Michael, Elissa
Spectrometer Operators: Hours until maintenance: 112.45
Pilots: Nick, Jeremy
Flight Hours: 00:00

Summary
No flights conducted today as all calibration and recertification flights are complete. Crews swapped aircraft positions and conducted a Hg lamp test inside the hangar.

Concerns
None

Comments
A tour was conducted with University of Colorado students at the hangar. Crew members lead sessions and answered questions on the various components of NEON and AOP.

Pictures: Swapping planes positions; N70AR inside, N331AR now outside.
### Cumulative Domain Coverage

**D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Flown: 100% (20/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 100% (20/20)

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**D00|H10C (NEON Headquarters Lidar Test - Riegl)**

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<thead>
<tr>
<th>1</th>
<th>2</th>
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Flown: 100% (4/4)

Green: 100% (4/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

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**D00|N10D (Nominal Runway at KBDU - Riegl)**

| 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 |

Flown: 86% (24/28)

Green: 0% (0/28)

Yellow: 11% (3/28)

Red: 75% (21/28)

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**D00|O10B (NIS Offset - Riegl)**

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Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

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**D00|R10C (Table Mountain Radiometric Calibration - Riegl)**

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Flown: 100% (5/5)

Green: 100% (5/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

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**D00|W10C (Wiggle Timing Test - Riegl)**

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Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)
Weather Forecast

<table>
<thead>
<tr>
<th></th>
<th>Sat 4/23</th>
<th>Sun 4/24</th>
<th>Mon 4/25</th>
<th>Tue 4/26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud</td>
<td>Mostly Cloudy</td>
<td>PM Showers</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>Cover (%)</td>
<td>0 in</td>
<td>0.14 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
<tr>
<td>Chance of Precip. (%)</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for 23-25 April 2022
No flights planned; finish preparations for D15

Flight Collection Plan for 26 April 2022
Transit to D15-KSLC
Crew: Abe