Payload 3 Daily Flight Report

Date: 2024-04-20
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N821AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 6

Report Author: Abe
Lidar Operators: Abe
Spectrometer Operators: John
Pilots: Will, Vince
Adt'l Flight Crew: Matt

Flight Hours: 00:00
Hours until maintenance: 0.00

Summary
Snow/rain and low ceilings kept the crew out of the skies today, no flights were conducted. The next few days look promising for flights.

Concerns
None

Comments
None

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: 100% (20/20)
Red: 0% (0/20)

D00|H10C (NEON Headquarters Lidar Test - Riegl)

|   | 1 | 2 | 3 | 4 |
---|---|---|---|---|
Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 100% (4/4)
Red: 0% (0/4)

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: 0% (0/28)
Red:  86% (24/28)
D00|O10B (NIS Offset - Riegl)

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

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

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

D00|R10D (Boulder Airport Radiometric Calibration)

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

D00|V10C (Boulder City South)

Flown:  21% (6/29)
Green:  14% (4/29)
Yellow:  0% (0/29)
Red:  7% (2/29)

D00|W10C (Wiggle Timing Test - Riegl)

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

**Weather Forecast**

Boulder, CO

<table>
<thead>
<tr>
<th>Date</th>
<th>High</th>
<th>Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun 4/21</td>
<td>62°</td>
<td>46°</td>
</tr>
<tr>
<td>Mon 4/22</td>
<td>74°</td>
<td>41°</td>
</tr>
<tr>
<td>Tue 4/23</td>
<td>62°</td>
<td>43°</td>
</tr>
<tr>
<td>Wed 4/24</td>
<td>75°</td>
<td>48°</td>
</tr>
<tr>
<td>Thu 4/25</td>
<td>72°</td>
<td>49°</td>
</tr>
<tr>
<td>Fri 4/26</td>
<td>65°</td>
<td>45°</td>
</tr>
<tr>
<td>Sat 4/27</td>
<td>67°</td>
<td>44°</td>
</tr>
</tbody>
</table>

- **Partly Cloudy**
- **Mostly Sunny**
- **Scattered Thunderstorms**
- **Showers**

**Precipitation**

- **Cloud Cover (%)**
- **Chance of Precip. (%)**

- **0 In**
- **0.19 In**
- **0.23 In**
Flight Collection Plan for 21 April 2024

Flyority 1

Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780 35° On-station Time: 1620 UTC / 1030 L

Flight Crew

Abe (Lidar), John (NIS), Mike (Ground), Matt (Observer)