Payload 3 Daily Flight Report

Date: 2023-04-15
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N934MU

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

Report Author: Nick
Lidar Operators: n/a  Flight Hours: 0.0
Spectrometer Operators: n/a  Hours until maintenance: 112.9
Pilots: Paul, Jeff  GPS Instruments: n/a
Ground Crew: 

Summary
With no fix for the lidar over current issue, no flights were attempted today.

Concerns
A software update to resolve the lidar over-current issue is anticipated from the vendor.

Comments
None

Cumulative Domain Coverage

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

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

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

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

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

| Flown: | 64% (18/28) |
| Green: | 29% (8/28) |
| Yellow: | 4% (1/28) |
| Red: | 32% (9/28) |
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|W10C (Wiggle Timing Test - Riegl)

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

Weather Forecast
Boulder, CO

<table>
<thead>
<tr>
<th>Sun 4/16</th>
<th>Mon 4/17</th>
<th>Tue 4/18</th>
<th>Wed 4/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>64°</td>
<td>41°F</td>
<td>72°</td>
<td>46°F</td>
</tr>
</tbody>
</table>

Sunny
Mostly Sunny
Partly Cloudy
PM Showers
0 in
0 in
0 in
0.19 in

source: wunderground.com
Flight Collection Plan for April 15th, 2023

**Flyority 1**
Collection Area: Nominal Runway Survey Flight Plan (Lines 1-8, 11-12, 25-28)
Name: D10_N10D_Nominal_Rnwy_v8_Q780
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet or snow covered.

**Flyority 2**
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
35° On-station Time: 1540 UTC / 0940L

Crew: Nick (lidar), Matt (NIS)