Payload 1 Daily Flight Report

Date: 2023-03-29
Flight Campaign ID: P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N331AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 1

Report Author: Abe
Lidar Operators: Abe
Flight Hours: 00:00
Spectrometer Operators: Cameron
Hours until maintenance: 117.32
Pilots: Justin, Vince
Ground Crew: Mitch

Summary
There was a small glimmer of hope for the Rad Cal flight this morning but some low clouds in the area dashed that hope. No flights were conducted today.

Concerns
None

Comments
None

Cumulative Domain Coverage

D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

| 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: 75% (15/20)
Red: 25% (5/20)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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</table>
Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 100% (4/4)

D00|N10F (Nominal Runway at KBDU - Galaxy)

| 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 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
Flown: 100% (37/37)
Green: 14% (5/37)
Yellow: 86% (32/37)
Red: 0% (0/37)
D00|O10C (NIS Offset - Galaxy)

1 2
Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

1 2 3 4 5
Flown: 0% (0/5)
Green: 0% (0/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

D00|V10F()

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 29
Flown: 14% (4/29)
Green: 0% (0/29)
Yellow: 14% (4/29)
Red: 0% (0/29)

D00|W10D (Wiggle Timing Test - Galaxy)

1 2
Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

Weather Forecast
Boulder, CO

<table>
<thead>
<tr>
<th>Thu 3/30</th>
<th>Fri 3/31</th>
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<tbody>
<tr>
<td>62°</td>
<td>51°</td>
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- Mostly Sunny
- Partly Cloudy/Wind

- 0 in
- 0 in

source: wunderground.com
Flight Collection Plan for 30 March 2023

**Flyority 1**
Collection Area: Table Mountain Radiometric Calibration  
Flight Plan Name: D10_R10E_Radiometric_Cal_Table_Mtn_v1_PRM.xml  
45° On-station Time: 1740 UTC / 1140 L  
Additional Considerations: Ground should be dry.

**Flyority 2**
Collection Area: NIS Offset Flight  
Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml  
35° On-station Time: 1620 UTC / 1030 L

**Flight Crew**
Cam (Lidar), Matt (NIS), Abe (Ground)