**Payload 1 Daily Flight Report**

**Date:** 2024-05-12  
**Flight Campaign ID:** P1C1  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO  
**Aircraft:** N615AR

**Domain:** 00 (Training & Calibration)  
**Sites Flown:** None  
**Days left in Domain:** 0

**Report Author:** John  
**Lidar Operators:** John  
**Spectrometer Operators:** Matt  
**Pilots:** Vince, Jeff  
**Ground Crew:** Nick

**Summary**
Continued poor weather kept us from flying today.

**Concerns**
We will test the spectrometer and lidar systems at D11.

**Comments**
Packed the plane today for a Monday departure. Abe arrived at D11 and ensured the FBO was ready for our arrival tomorrow.

**Cumulative Domain Coverage**

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

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<tr>
<th>Flown</th>
<th>Green</th>
<th>Yellow</th>
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<tbody>
<tr>
<td>100% (20/20)</td>
<td>10% (2/20)</td>
<td>90% (18/20)</td>
<td>0% (0/20)</td>
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**D00|BLKF (Black Forest Waveform Range Test - Galaxy)**

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<tr>
<td>0% (0/21)</td>
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<td>0% (0/21)</td>
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### D00|CPER (Central Plains Ecological Range)

| 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:** 100% (28/28)
- **Green:** 0% (0/28)
- **Yellow:** 0% (0/28)
- **Red:** 100% (28/28)

### D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

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

### 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:** 46% (17/37)
- **Green:** 0% (0/37)
- **Yellow:** 43% (16/37)
- **Red:** 3% (1/37)

### D00|O10C (NIS Offset - Galaxy)

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

### D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

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

### D00|V10F (Boulder City Nominal - 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 |

- **Flown:** 55% (16/29)
- **Green:** 0% (0/29)
- **Yellow:** 55% (16/29)
- **Red:** 0% (0/29)

### D00|W10D (Wiggle Timing Test - Galaxy)

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

Wichita Falls, Texas

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<tr>
<td>AM</td>
<td>83°</td>
<td>58°F</td>
<td>84°</td>
<td>62°F</td>
<td>89°</td>
<td>64°F</td>
<td>77°</td>
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<tr>
<td>Cloud Cover (%)</td>
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<td>Chance of Precip. (%)</td>
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source: wunderground.com

Flight Collection Plan for 14 May 2024

Flyority 1
Collection Area: LBJ Grasslands (CLBJ)
Flight Plan Name: D11_CLBJ_C1_P1_v4_PRM.xml

Flyority 2
Collection Area: Klemme Range Research Station (OAES)
Flight Plan Name: D11_OAES_R1_P1_v4_PRM.xml

Flyority 3
Collection Area: Blue River (BLUE)
Flight Plan Name: D11_BLUE_A2_P1_V4_PRM.xml

Flyority 4
Collection Area: Pringle Creek (PRIN)
Flight Plan Name: D11_PRIN_A1_P1_v5_PRM.xml

Flight Crew: John (Lidar), Abe (NIS)