Payload 1 Daily Flight Report

Date: 2021-04-14
Flight Campaign ID: P1C2
Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KBJC) - Broomfield, CO
Aircraft: N331AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 15

Report Author: John Adler
Lidar Operators: John Adler  Flight Hours: 00:00
Spectrometer Operators: Robb Walker  Hours until maintenance: 107.72
Pilots: Justin Eddington, Ashley Taylor  GPS Instruments: None
Ground Crew: Ivana Vu

Summary
No flights were conducted today due to low cloud decks.

Concerns
None

Comments
None

Daily Coverage
Estimated Cloud Cover Key

| Green: 0-10% | Yellow: 11-50% | Red: >50% |

Cumulative Domain Coverage

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

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

D00|BLKF (Black Forest Waveform Range Test - Galaxy)

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Flown: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)
**D00|H10D (NEON Headquarters Lidar Validation - Galaxy)**

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

**D00|N10F (Nominal Runway at KBDU - Galaxy)**

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- Flown: 43% (15/35)
- Green: 0% (0/35)
- Yellow: 0% (0/35)
- Red: 43% (15/35)

**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: 100% (5/5)
- Green: 100% (5/5)
- Yellow: 0% (0/5)
- Red: 0% (0/5)

**D00|V10F (Boulder City Nominal - Galaxy)**

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- Flown: 38% (11/29)
- Green: 14% (4/29)
- Yellow: 0% (0/29)
- Red: 24% (7/29)

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

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- Flown: 100% (2/2)
- Green: 100% (2/2)
- Yellow: 0% (0/2)
- Red: 0% (0/2)
Weather Forecast
Boulder, CO

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<tr>
<td>40°</td>
<td>29°F</td>
<td>36°</td>
<td>27°F</td>
<td>39°</td>
<td>25°F</td>
<td>50°</td>
</tr>
<tr>
<td>Rain/Snow</td>
<td>Cloud Cover (%)</td>
<td>Chance of Precip. (%)</td>
<td>Rain/Snow</td>
<td>Snow</td>
<td>AM Snow Showers</td>
<td>Sunny</td>
</tr>
<tr>
<td>5.4 in</td>
<td>55%</td>
<td>32%</td>
<td>2.2 in</td>
<td>0 in</td>
<td>1.2 in</td>
<td>8 AM</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for April 14 2021
Flyority 1
Collection Area: [Functional Checkout Flight] -- Nominal Runway Survey Flight Plan
Name: D10_N10F_Nominal_Rnwy_v9_PRM.xml
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet, or snow covered.

Flyority 2
Collection Area: Black Forest Waveform Range Test Flight
Flight Plan Name: D10_BLKF_Black_Forest_v3_PRM.xml
On-station Time: Daylight – No solar angle restrictions.
Additional Considerations: Snow on ground / trees okay.

Flyority 3
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml
On-station Time: 1600 UTC / 1000 L
Crew: Robb (Lidar), Mike (NIS), John (Ground)