Payload 1 Daily Flight Report

Date: 2023-04-12
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: John
Lidar Operators: Mike
Spectrometer Operators: Matt
Pilots: Justin, Paul
Ground Crew: John
Flight Hours: 0.0
Hours until maintenance: 94.67
GPS Instruments: n/a

Summary
Payload 1 remained in a powered configuration in case any further flights are required.

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)

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>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Flown:** 100% (37/37)
- **Green:** 14% (5/37)
- **Yellow:** 86% (32/37)
- **Red:** 0% (0/37)

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

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>

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

### D00|R10F (Boulder Airport Radiometric Calibration - Galaxy)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>

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

### D00|V10F ()

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
</table>

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

Boulder, CO

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>76°F</td>
<td>41°F</td>
<td>47°F</td>
<td>32°F</td>
<td>84°F</td>
<td>64°F</td>
<td>85°F</td>
<td>59°F</td>
</tr>
</tbody>
</table>

- Mostly Cloudy
- Rain

Cloud Cover (%)

Chance of Precip. (%)

source: wunderground.com

Ocala, FL

Flight Collection Plan for April 13th, 2023

No flights planned.