Payload 1 Daily Flight Report

Date: 2023-04-13
Flight Campaign ID: P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO, Wellington Municipal Airport (KEGT) - Wellington, Kansas, KS
Aircraft: N331AR

Domain: 00 (Training & Calibration)
Sites Flown: Transit
Days left in Domain: Transit

Report Author: Cameron
Lidar Operators: Cameron
Flight Hours: 02:51:00, 01:29:00
Spectrometer Operators: Hours until maintenance: 90.33
Pilots: Justin, Paul
Ground Crew: Mitch

Summary
The flight crew departed a day early inbound for D03 to avoid several storms expecting to impact Colorado and the southeast region. We arrived in Fort Smith Arkansas tonight and will continue the transit tomorrow morning.

Concerns
- None

Comments
- None

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots
- None
Pictures: Fuel stop at KEGT in Wellington Kansas

### Cumulative Domain Coverage

**D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - 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>
</table>

- 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)**

| 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)

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

D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

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

D00|R10F (Boulder Airport Radiometric Calibration - Galaxy)

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

D00|V10F

Flown: 28% (8/29)
Green: 0% (0/29)
Yellow: 14% (4/29)
Red: 14% (4/29)

D00|W10D (Wiggle Timing Test - Galaxy)

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

Weather Forecast
Gainesville, FL

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>86°</td>
<td>58°F</td>
<td>89°</td>
<td>65°F</td>
<td>85°</td>
<td>62°F</td>
<td>80°</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Isolated Thunderstorms</td>
<td>Partly Cloudy</td>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.11 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for April 14, 2023

Continue Transit to D03
Crew: Cam