Date: 2020-08-31
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 17

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Flight Hours: 00:00
Spectrometer Operators: Ivana Vu
Hours until maintenance: 25.85
Pilots: Jeff Quintanilla, Justin Eddington
GPS Instruments: None
Ground Crew: Robb Walker

Summary
A mixture of clouds, smoke and isolated rain showers kept the aircraft grounded today. There appears to be several great weather days in the near-term forecast.

Concerns
- None

Comments
- None

Daily Coverage
- n/a

Flight Screenshots
- n/a

Pictures
- None

Cumulative Domain Coverage

D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

<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>
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<th>11</th>
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<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
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</thead>
</table>
Flown: 100% (20/20)
Green: 70% (14/20)
Yellow: 30% (6/20)
Red: 0% (0/20)

D00|CPER (Satellite Overpass Coincident Collection & 1000m Multiple Altitude Test Flight - CPER)

<table>
<thead>
<tr>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
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</table>
Flown: 0% (0/14)
<table>
<thead>
<tr>
<th>Flight Number</th>
<th>Description</th>
<th>Flown</th>
<th>Green</th>
<th>Yellow</th>
<th>Red</th>
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<tbody>
<tr>
<td>D00</td>
<td>F10A (D10 BRDF Flight - CPER)</td>
<td>Flown: 0% (0/20)</td>
<td>Green: 0% (0/20)</td>
<td>Yellow: 0% (0/20)</td>
<td>Red: 0% (0/20)</td>
</tr>
<tr>
<td>D00</td>
<td>H10C (NEON Headquarters Lidar Test - Riegl)</td>
<td>Flown: 100% (4/4)</td>
<td>Green: 0% (0/4)</td>
<td>Yellow: 0% (0/4)</td>
<td>Red: 100% (4/4)</td>
</tr>
<tr>
<td>D00</td>
<td>K10A (2000m Multiple Altitude Test Flight - CPER)</td>
<td>Flown: 0% (0/6)</td>
<td>Green: 0% (0/6)</td>
<td>Yellow: 0% (0/6)</td>
<td>Red: 0% (0/6)</td>
</tr>
<tr>
<td>D00</td>
<td>K10B (2000m Multiple Altitude Test Flight - RMNP)</td>
<td>Flown: 0% (0/6)</td>
<td>Green: 0% (0/6)</td>
<td>Yellow: 0% (0/6)</td>
<td>Red: 0% (0/6)</td>
</tr>
<tr>
<td>D00</td>
<td>N10D (Nominal Runway at KBDU - Riegl)</td>
<td>Flown: 92% (24/26)</td>
<td>Green: 0% (0/26)</td>
<td>Yellow: 0% (0/26)</td>
<td>Red: 92% (24/26)</td>
</tr>
<tr>
<td>D00</td>
<td>O10B (NIS Offset - Riegl)</td>
<td>Flown: 0% (0/2)</td>
<td>Green: 0% (0/2)</td>
<td>Yellow: 0% (0/2)</td>
<td>Red: 0% (0/2)</td>
</tr>
<tr>
<td>D00</td>
<td>R10C (Table Mountain Radiometric Calibration - Riegl)</td>
<td>Flown: 100% (5/5)</td>
<td>Green: 100% (5/5)</td>
<td>Yellow: 0% (0/5)</td>
<td>Red: 0% (0/5)</td>
</tr>
<tr>
<td>D00</td>
<td>RMNP (1000m Multiple Altitude Test Flight - RMNP)</td>
<td>Flown: 0% (0/18)</td>
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Green: 0% (0/18)
Yellow: 0% (0/18)
Red: 0% (0/18)

D00|W10C (Wiggle Timing Test - Riegl)

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

**Weather Forecast**

**Boulder, CO**

<table>
<thead>
<tr>
<th>Tue 9/1</th>
<th>Wed 9/2</th>
<th>Thu 9/3</th>
<th>Fri 9/4</th>
<th>Sat 9/5</th>
<th>Sun 9/6</th>
<th>Mon 9/7</th>
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</thead>
<tbody>
<tr>
<td>77°</td>
<td>57°F</td>
<td>87°</td>
<td>58°F</td>
<td>82°</td>
<td>58°F</td>
<td>86°</td>
</tr>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
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**Nunn, CO**

<table>
<thead>
<tr>
<th>Tue 9/1</th>
<th>Wed 9/2</th>
<th>Thu 9/3</th>
<th>Fri 9/4</th>
<th>Sat 9/5</th>
<th>Sun 9/6</th>
<th>Mon 9/7</th>
<th>Tue 9/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>79°</td>
<td>52°F</td>
<td>88°</td>
<td>55°F</td>
<td>80°</td>
<td>51°F</td>
<td>88°</td>
<td>55°F</td>
</tr>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
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</table>
Flight Collection Plan for 01 September 2020

Flyority 1
Collection Area: Satellite Overpass Coincident Collection & 1000m Multiple Altitude Test Flight - CPER
Flight Plan Name: D10_CPER_C1_P1_v6_Q780
On-station Time: 1000 – 1600 Local / 1600 – 2200 UTC

Flyority 2
Collection Area: 2000m Multiple Altitude Flight - CPER
Flight Plan Name: D10_K10A_Multiple_Alt_2000m_v1
On-station Time: 1000 – 1600 Local / 1600 – 2200 UTC

Flyority 3
Collection Area: 1000m Multiple Altitude Test Flight - RMNP
Flight Plan Name: D10_RMNP_R2_P1_v2_Q780
On-station Time: 1000 – 1610 Local / 1600 – 2210 UTC

Flyority 4
Collection Area: 2000m Multiple Altitude Flight - RMNP
Flight Plan Name: D10_K10B_Multiple_Alt_v2
On-station Time: 1000 – 1610 Local / 1600 – 2210 UTC

Flyority 5
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
On-station Time: 0940 – 1640 Local / 1540 – 2240 UTC

Tuesday 9/1 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)
Wednesday 9/2 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)
Thursday 9/3 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)