Date: 2020-09-03
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: 14

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Mitch Haynes
Pilots: Justin Eddington, Jeff Quintanilla
Ground Crew: Robb Walker

Flight Hours: 0:00
Hours until maintenance: 22.03

Summary
The clouds cleared in Boulder in the early afternoon, unfortunately the smoke settled in over the front range and progressively worsened throughout the day. No flights were attempted. Satellite overpass flights are planned for Friday and Saturday weather permitting.

Comments
- The flight crew, with Andrews assistance, was able to extract the data from 09/02 on HK5.

Concerns
- The root cause of the disappearing - reappearing data on the Midas disks is unknown.

Daily Coverage
- None

Flight Screenshots
- None

Pictures
- None

Cumulative Domain Coverage

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
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)

| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
D00|F10A (D10 BRDF Flight - CPER)

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

D00|H10C (NEON Headquarters Lidar Test - Riegl)

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

D00|K10A (2000m Multiple Altitude Test Flight - CPER)

Flown: 0% (0/6)
Green: 0% (0/6)
Yellow: 0% (0/6)
Red: 0% (0/6)

D00|K10B (2000m Multiple Altitude Test Flight - RMNP)

Flown: 0% (0/6)
Green: 0% (0/6)
Yellow: 0% (0/6)
Red: 0% (0/6)

D00|N10D (Nominal Runway at KBDU - Riegl)

Flown: 92% (24/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 92% (24/26)

D00|O10B (NIS Offset - Riegl)

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

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

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

D00|RMNP (1000m Multiple Altitude Test Flight - RMNP)

Flown: 0% (0/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 0% (0/14)
Flown: 0% (0/18)
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>Fri 9/4</th>
<th>Sat 9/5</th>
<th>Sun 9/6</th>
<th>Mon 9/7</th>
<th>Tue 9/8</th>
<th>Wed 9/9</th>
<th>Thu 9/10</th>
<th>Fri 9/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Snow</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>88°</td>
<td>62°F</td>
<td>95°</td>
<td>68°F</td>
<td>95°</td>
<td>62°F</td>
<td>88°</td>
<td>34°F</td>
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</table>

Nunn, CO

<table>
<thead>
<tr>
<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>
<th>Wed 9/9</th>
<th>Thu 9/10</th>
<th>Fri 9/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>AM Snow Showers</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
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<tr>
<td>90°</td>
<td>54°F</td>
<td>97°</td>
<td>64°F</td>
<td>97°</td>
<td>58°F</td>
<td>85°</td>
<td>32°F</td>
</tr>
</tbody>
</table>
Flight Collection Plan for 04 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: 1010 – 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: 1010 – 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: 1020 – 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: 1020 – 1610 Local / 1600 – 2210 UTC

Friday 9/4 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)
Saturday 9/5 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground) Elissa (Field Tarps)
Sunday 9/6 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)