Payload 3 Daily Flight Report

Date: 2020-09-06
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: 11

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Mitch Haynes
Pilots: Justin Eddington, Stephen Brawders
Ground Crew: Mitch Haynes

Flight Hours: 0:00
Hours until maintenance: 21.68

Summary
Radar showed substantial burning at the Cameron Peak fire which intensified overnight and continued throughout the day bringing widespread smoke for much of the Boulder / Denver area. No flights were attempted.

Comments
- Crew remains hopeful that smoke will decrease following cold front on Tuesday.
- The Aircraft will be relocated to KBJC in Broomfield tomorrow due to the impending KBDU runway closure.

Concerns
- None

Cumulative Domain Coverage

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

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</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)

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<thead>
<tr>
<th>11</th>
<th>12</th>
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Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 0% (0/14)

D00|F10A (D10 BRDF Flight - CPER)

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Green: 100% (20/20)
Yellow: 0% (0/20)
Red: 0% (0/20)
<table>
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<tr>
<th>Test Flight</th>
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<th>Yellow</th>
<th>Red</th>
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</thead>
<tbody>
<tr>
<td>D00</td>
<td>H10C (NEON Headquarters Lidar Test - Rieg!)</td>
<td>4/4</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>D00</td>
<td>K10A (2000m Multiple Altitude Test Flight - CPER)</td>
<td>0/6</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>D00</td>
<td>K10B (2000m Multiple Altitude Test Flight - RMNP)</td>
<td>0/6</td>
<td>0%</td>
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<tr>
<td>D00</td>
<td>N10D (Nominal Runway at KBDU - Rieg!)</td>
<td>26/26</td>
<td>0%</td>
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<tr>
<td>D00</td>
<td>O10B (NIS Offset - Rieg!)</td>
<td>2/2</td>
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<tr>
<td>D00</td>
<td>R10C (Table Mountain Radiometric Calibration - Rieg!)</td>
<td>5/5</td>
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<tr>
<td>D00</td>
<td>RMNP (1000m Multiple Altitude Test Flight - RMNP)</td>
<td>0/18</td>
<td>0%</td>
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<tr>
<td>D00</td>
<td>W10C (Wiggle Timing Test - Rieg!)</td>
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Weather Forecast
Boulder, CO

<table>
<thead>
<tr>
<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>
<th>Sat 9/12</th>
<th>Sun 9/13</th>
<th>Mon 9/14</th>
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</thead>
<tbody>
<tr>
<td>90°</td>
<td>32°F</td>
<td>36°</td>
<td>27°F</td>
<td>40°</td>
<td>33°F</td>
<td>52°</td>
<td>41°F</td>
</tr>
</tbody>
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Mostly Sunny  
Snow  6.4 in  
Cloudy  0 in  
Partly Cloudy  0 in  
Sunny  0 in  
Sunny  0 in  
Sunny  0 in

Cloud Cover (%)  
Chance of Precip. (%)

Flight Collection Plan for 07 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

Monday 9/7 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)
Tuesday 9/8 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)
Wednesday 9/9 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)