Payload 3 Daily Flight Report

Date: 2020-06-04
Flight Campaign ID: 2020_P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) – Boulder, CO

Domain: 00 (Calibration / Training)
Sites Flown: R10C (Table Mountain Radiometric Calibration), W10C (Wiggle Timing Test) V10C (Boulder City Nominal Science Flight)
Days left in Domain: 25

Report Author: Cameron Chapman
Lidar Operators: Cameron – Nick
Spectrometer Operators: Cameron - Nick
Pilots: Mike Francis, Justin Eddington
Additional Personnel: Mitch Haynes (Trainer)

Flight Hours: 2.0
Hours until maintenance: 119
GPS Instruments: 06-FBO_KBDU, NGN-KBDU
Ground Crew: Elissa Barris

Summary
The weather started off promising, so the decision was made to fly Table Mountain Radiometric Calibration. Unfortunately, clouds began to build before the beginning of the solar angle. We took the opportunity to collect the data since the flight was also a training/ recertification flight.

Concerns
- None

Comments
- Completed the Wiggle Timing Test
- Recerts:
  - Cameron recertified on Lidar
  - Nick recertified on NIS
  - Elissa recertified on Ground

Flight Screenshots

NIS

Lidar (No laser over R10C)
Weather Forecast

(Boulder CO)

<table>
<thead>
<tr>
<th>Fri 6/5</th>
<th>Sat 6/6</th>
<th>Sun 6/7</th>
<th>Mon 6/8</th>
<th>Tue 6/9</th>
<th>Wed 6/10</th>
<th>Thu 6/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°</td>
<td>63°F</td>
<td>84°</td>
<td>57°F</td>
<td>90°</td>
<td>56°F</td>
<td>81°</td>
</tr>
<tr>
<td>Mostly Sunny</td>
<td>Cloudy</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
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</tbody>
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Pictures
- None
Flight collection plans for 05 June 2020:

Flyority 1
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
On-Station Time: 15:20 UTC / 09:20L

Flyority 2
Collection Area: Riegl Boresight Calibration – Greeley, CO
Flight Plan Name: D10_B10E_Boresight_1000m_Q780
On-Station Time: 14:50 UTC / 08:50L

Flight Crew:
NiS – Mitch
Lidar- Elissa
Trainer—Mitch
Ground – Cam