Summary
The Nominal Runway calibration flight was completed today. The West-East and North-South lines were completed totaling 14 lines. Strong winds and turbulence were forecast for the area so the plane was grounded following this flight. The system worked optimally from an operations standpoint and the new PhaseOne camera worked very well. Mitch is attempting to extract the Waveform and Discrete lidar data on Hotel Kit 2.

Concerns
The Crystal computer shutoff during the 5-minute ground hold. It is estimated that approximately three minutes of a ground hold were completed. It occurred when the KVM was opened after the power switch over. It booted up normally after this isolated incident. No other systems seemed to have lost power.

Comments
FltOps will be going “old school” for the duration of the E8 Campaign, with paper logs and excel spreadsheets for flight tracking. These can be found under FltOps2\Campaign_2018_E8C1 for those who need access to them. Once the official P2 campaign begins, the normal Database will be used once again.

Pictures

CU’s campus with the Flatirons in the background
Weather Forecast
Boulder, CO

<table>
<thead>
<tr>
<th></th>
<th>Fri 4/13</th>
<th>Sat 4/14</th>
<th>Sun 4/15</th>
<th>Mon 4/16</th>
<th>Tue 4/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>49°F</td>
<td>58°F</td>
<td>64°F</td>
<td>75°F</td>
<td>59°F</td>
</tr>
<tr>
<td>Cond.</td>
<td>Cloudy/Wind</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy/Wind</td>
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<tr>
<td>Precip</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

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

Flight Collection Plan for 13 April 2018
Flyority 1
Collection Area: Greeley Boresight Geocalibration
Flight Plan Name: D10_B10B_Greeley_Boresight_Geocalibration_Plan_v8.pln
Flyority 2
Collection Area: NEON Lidar HQ Validation
Flight Plan Name: D10_H10B_NEON_HQ_LIDAR_validation_v1.pln

Crew: TBD

New Issues
N/A
Ongoing Issues
N/A
Resolved Issues
N/A