Payload 3 Daily Flight Report

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

Domain: 00 (Calibration)
Sites Flown: None
Days left in Domain: 23

Report Author: Mitch Haynes
Lidar Operators: Mitch Haynes
Flight Hours: 0.0
Spectrometer Operators: Cameron Chapman
Hours until maintenance: 117.45
Pilots: Mike Francis, Justin Eddington
GPS Instruments: n/a
Ground Person: Elissa Barris

Summary
Quiet day for Payload 3 with less than ideal sky conditions today. Low clouds and scattered showers this morning with some isolated sunshine but looming threat of thunderstorms in the afternoon; very windy conditions aloft. No flights were conducted, allowing the P3 crew to get caught up on tasks.

Concerns
- SBET from 2020060514 flight initially failed to pass QA. Bridget worked some magic to get an SBET produced, but this combined with some irregular software GPS/IMU positioning noticed by ASOs on several P3 flights so far leave some lingering concerns. See ServiceNow ticket for more detailed information.
- Database still not working properly. Updates are on-going.

Comments
- All Payload 3 crew recertifications are complete.
- ServiceNow FltOps login error for extractions appears to be fixed.
- Bridget to coordinate “go/no go” call for both flight crews on possible Table Mountain Radiometric flight.
Above: Would not have been a pleasant day for flying above KBDU.

Weather Forecast
Boulder, CO (KBDU)

<table>
<thead>
<tr>
<th></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>
<th>Fri 6/12</th>
<th>Sat 6/13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>**86°</td>
<td>53°F**</td>
<td>**73°</td>
<td>46°F**</td>
<td>**66°</td>
<td>49°F**</td>
<td>**76°</td>
</tr>
<tr>
<td>Weather</td>
<td>Mostly Sunny</td>
<td>PM</td>
<td>Mostly Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>Precip</td>
<td>0 in</td>
<td>0.25 in</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 plans for 07 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

**Flyority 3**
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
On-station Time: 14:50 UTC / 08:50L

**Flyority 4**
Collection Area: NEON HQ Lidar Validation
Flight Plan Name: D10_H10C_HQ_val_v1_Q780
On-station Time: n/a

**Flight Crew:** Cameron Chapman, Mitch Haynes, Elissa Barris

Flight collection plans for 07 June 2020:
Flyorities: Same as previous day

**Flight Crew:** Elissa Barris, Cameron Chapman, Mitch Haynes