Payload 2 Daily Flight Report

Date: 2020-06-05  
Flight Campaign ID: P2C1  
Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KBJC) – Broomfield, CO

Domain: 00 (Training & Calibration)  
Sites Flown: H10B (NEON HQ LIDAR Validation), V10C (Boulder City Nominal Science Flight)  
Days left in Domain: 6

Report Author: Michael Wussow  
Lidar Operators: Ivana Vu, Michael Wussow  
Spectrometer Operators: Michael Wussow, Ivana Vu  
Pilots: Will Matthews, Stephen Brawders  
Ground Crew: None

Flight Hours: 0:46, 2:13  
Hours until maintenance: 104.03

GPS Instruments: 06 – FBO_KBDU, NGN-KBDU

Summary
Cloud conditions were not quite good enough for the Radiometric or NIS-Offset flights today. The HQ Lidar Validation flight plan and 12 lines of the Boulder City Nominal flight plan were completed instead. Mike Wussow was signed off on both NIS and Optech systems with Ivana Vu.

Concerns
- Database PDF logs and Daily Report are still not generating, but are being worked.
- Service Now RAID and Mission Extraction forms cannot be submitted for Payload-2 and is being investigated.

Comments
- Testing of the Auto-Exposure mode for Payload 2’s camera was done coincidentally with the V10C recertification flight. Testing will be completed in 11 more lines.

Daily Coverage
H10B complete (4 lines)  
V10C (12 lines)

Flight Screenshots

H10B - Lidar  
H10B – NIS
### Weather Forecast

<table>
<thead>
<tr>
<th>Day</th>
<th>Temperature</th>
<th>Condition</th>
<th>Precipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat 6/6</td>
<td>82°</td>
<td>55°F</td>
<td>Isolated Thunderstorms</td>
</tr>
<tr>
<td>Sun 6/7</td>
<td>89°</td>
<td>54°F</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>Mon 6/8</td>
<td>75°</td>
<td>45°F</td>
<td>PM Thunderstorms</td>
</tr>
<tr>
<td>Tue 6/9</td>
<td>68°</td>
<td>48°F</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>Wed 6/10</td>
<td>79°</td>
<td>51°F</td>
<td>Mostly Sunny</td>
</tr>
</tbody>
</table>

Legend:
- **Cloud Cover (%)**
- **Chance of Precip. (%)**
Flight Collection Plan for 06-07 June 2020

Flyority 1
Collection Area: Radiometric Calibration at Table Mountain
Flight Plan Name: D10_R10A_Radiometric_Calibration_Table_Mountain_v1.pln
On-station Time: 0950 – 1600 Local / 1550 – 2210 UTC

Flyority 2
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10A_NIS_Offset_v1.pln
On-station Time: 0850 – 1730 Local / 1450 – 2300 UTC

Flyority 3
Collection Area: Boulder City Nominal – Auto-Exposure Testing
Flight Plan Name: D10_V10C_Boulder_City_v6.pln
On-station Time: 0850 – 1730 Local / 1450 – 2300 UTC
Lines Remaining: Section 2 – Lines 9-13, Section 4 – Lines 25-28, Section 5 – Lines 17-19

Crew
6/6: Matthew DeVoe (Lidar), John Adler (NIS)
6/7: Robb Walker (Lidar), Michael Wussow (NIS), Ivana Vu (Certifier)