April 25, 2018 Payload 2 Daily Flight Report

Date: 2018-04-25
Flight Campaign ID: 2018_P2C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00
Sites Flown: R10A (Table Mountain Radiometric Calibration), V10C (Boulder City South)
Days left in Domain: 0

Report Author: Heather Rogers
Flight Crew: Cameron Chapman, Heather Rogers, Robb Walker, John Adler
Ground/GPS: Nick Marusich, Bridget Hass
Pilots: Stephen Brawders, Wesley Wyatt
Additional Personnel: 
GPS Instruments: 01 - FBO_KBDU

Flight Hours: 0:45, 01:16
Hours until maintenance: 117.00

Summary
3 UAS flights were completed in conjunction with collection from the plane over Table Mountain. Additionally, two training flights were completed.

Concerns
Waveform extraction is still failing on Hotel Kit 2.

Comments
Cameron Chapman and Heather Rogers are now recertified as lidar operators.

Flight Screenshots

Table Mountain radiometric calibration.
**Pictures**

Gorgeous day over the city of Boulder.

**Daily Coverage**

<table>
<thead>
<tr>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
<th>Camera</th>
<th>Cumulative</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>NLC</td>
</tr>
<tr>
<td>2</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>NC</td>
</tr>
</tbody>
</table>

**Flown:** 2

<table>
<thead>
<tr>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
<th>Camera</th>
<th>Cumulative</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>NLC</td>
</tr>
</tbody>
</table>

**Flown:** 3
Flight Collection Plan for 26 April 2018

**Flyority 1**
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10A_NIS_OFFSET_v1.pln

**Flyority 2**
Collection Area: Lidar training flight
Flight Plan Name: D13_CSFR_Coal_Springs_Fire_v1.pln

**Crew:**
John Adler, Cameron Chapman, Robb Walker, Heather Rogers, Nick Marusich