April 12, 2018 Payload 3 Daily Flight Report

Date: 2018-04-12
Flight Campaign ID: 2018_P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00
Sites Flown: V10C (Boulder City South), TRAIN (Training)
Days left in Domain: 3

Report Author: Ivana Vu
Flight Crew: Ivana Vu, Abe Morrison, Matt Devoe
Flight Hours: 00:46
Ground/GPS: Robb Walker
Hours until maintenance: 85.23
Pilots: Mike Francis, Paul Muth
Additional Personnel: None
GPS Instruments: 01 - FBO_KBDU

Summary
Cloudy conditions prevented calibration flights so a training flight was conducted this morning before the winds picked up. The aircraft will be grounded tomorrow due to a damaged propeller.

Concerns
During a routine inspection, pilots noticed that the right propeller is damaged and will need to be replaced. P3 flights will likely be delayed until Saturday.

Comments
- We plan to conduct flights this weekend in attempt to complete the Radiometric Calibration before the aircraft transits to D11 on Monday
- Ivana completed a 3rd Riegl training flight and is now certified to operate Payload 3
- John Adler’s Remote Sensing students from CU visited the hangar for an AOP tour this afternoon
Flight Screenshots

Pictures
John Adler’s Remote Sensing students from CU (Photo Credit: Heather Rogers)
View of Longs Peak during the transit back from a training flight (taken 4/10/18)

<table>
<thead>
<tr>
<th>D00</th>
<th>V10C</th>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
<th>Camera</th>
<th>Cumulative</th>
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**Daily Coverage**

**Cumulative Domain Coverage**
N/A (Calibration & Training flights)
Weather Forecast

<table>
<thead>
<tr>
<th>Fri 4/13</th>
<th>Sat 4/14</th>
<th>Sun 4/15</th>
<th>Mon 4/16</th>
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<tbody>
<tr>
<td>50°</td>
<td>31° F</td>
<td>58°</td>
<td>35° F</td>
</tr>
<tr>
<td>Cloudy/Wind</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
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Flight Collection Plan for 13 April 2018
No flights scheduled due to aircraft maintenance

Flight Collection Plan for 14 April 2018
Flyority 1
Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10C_Rad_Cal_TMBT_v1_Q780.rpp

Flyority 2
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780.rpp

Crew
John Adler, Nick Marusich, Ivana Vu

Flight Collection Plan for 15 April 2018
Flyority: Same as previous day
Crew: John Adler, Mitch Haynes, Robb Walker

Flight Collection Plan for 16 April 2018
Transit to D11 (Wichita Falls, TX)
Crew: Mitch Haynes

New Issues
None

On-Going Issues
Disk Set, Hotel Kit – Hotel Kit does not recognize MIDAS 2 disk (Set 2)

Resolved Issues (Today)
None