March 20, 2019 Payload 2 Daily Flight Report

Date: 2019-03-20
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00
Sites Flown: R10A (Table Mountain Radiometric Calibration)
Days left in Domain: 2

Report Author: Bridget Hass
Flight Crew: Bridget Hass, Michael Wussow, Ivana Vu
Ground/GPS: Robb Walker
Pilots: Mike Francis, Jeff Quintanilla
Additional Personnel: Tristan, Dave, Alok (Tarps), John A (Drone)
GPS Instruments: 01 - FBO_KBDU, C-TMGO

Flight Hours: 00:43
Hours until maintenance: 109.20

Summary
Conducted radiometric calibration flight over Table Mountain with clear skies, snow and mud-free ground conditions for setting up tarps. Mike completed his NIS re-certification flight, and Bridget operated the Optech Lidar. John Adler collected coincidental drone slant-range measurements over the tarps. Completed all planned calibration flights for P2C1, plane may leave ahead of planned schedule on Sat. 3/23 to try to catch good weather in CA on Sun. 3/24.

Concerns
N/A

Comments
Did not collect LiDAR (discrete or waveform) due to restrictions over NOAA test facility.

Flight Screenshots

![Lidar (Camera)](image1)
![NIS](image2)
Cumulative Domain Coverage

B10B

Flown: 100% (20/20)
Green: 100% (20/20)
Yellow: 0% (0/20)
Red: 0% (0/20)

H10B

Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 100% (4/4)

O10A

Flown: 500% (10/2)
Green: 200% (4/2)
Yellow: 300% (6/2)
Red: 0% (0/2)

R10A

Flown: 100% (5/5)
Green: 100% (5/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

R10B

Flown: 100% (5/5)
Green: 100% (5/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

W10B

Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

N10C

Flown: 100% (14/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 100% (14/14)
Weather Forecast

**Boulder, CO**

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<tbody>
<tr>
<td>54°</td>
<td>35° F</td>
<td>52°</td>
<td>36° F</td>
<td>57°</td>
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<tr>
<td>Mostly Cloudy</td>
<td>PM Showers</td>
<td>Partly Cloudy</td>
<td>Cloudy</td>
<td>Partly Cloudy</td>
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| 3 PM in | 73% in |

**Coarsegold, CA**

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<tr>
<td>59°</td>
<td>34° F</td>
<td>64°</td>
<td>40° F</td>
<td>66°</td>
<td>43° F</td>
<td>55°</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Few Showers</td>
<td>PM Showers</td>
<td>Showers</td>
<td>AM Showers</td>
<td>Partly Cloudy</td>
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| 0 in | 0 in | 0.06 in | 0.49 in | 0.57 in | 0.02 in | 0 in |

**Plan for 21-22 March 2018:**

Collect Mercury Lamp & pack up N70AR for transit to Fresno.