August 13, 2018 Payload 3 Daily Flight Report

Date: 2018-08-13
Flight Campaign ID: 2018_P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 13
Sites Flown: NIWO (Niwot Ridge Mountain Research Station)
Days left in Domain: 4

Report Author:
Flight Crew: Nick Marusich, Bridget Hass, Mitch Haynes
Ground/GPS: Cameron Chapman
Pilots: Stephen Brawders, Grant Frost
Additional Personnel:
GPS Instruments: 03 - FBO_KBDU, 05 - NIWO

Flight Hours: 02:36
Hours until maintenance: 115.08

Summary
Haze prevented collections at STER today. Crew focused on NIWO priority lines under slight hazy conditions. Clouds finally stayed off until turning to yellow conditions. Crew was able to collect 16 lines at NIWO. Two certification flights were conducted during the flight survey.

Concerns
Following flight, the payload was shut down for lab troubleshooting prior to D14 deployment. This will prevent further collections for this deployment to D13/D10.

Comments
- Bridget Hass completed her third NIS certification flight.
- Nick Marusich completed his third Riegl Lidar certification flight.

Flight Screenshots

NIS Screenshot 20180813 Niwot
Lidar Screenshot 20180813 Niwot
Bridget Hass smartly operating the NIS.

Scenery of Rocky Mountain during surveys.

**Daily Coverage**

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<thead>
<tr>
<th>D13</th>
<th>NIWO</th>
<th>Line</th>
<th>SpecG</th>
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<th>SpecR</th>
<th>NIS</th>
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## Cumulative Domain Coverage

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<td>100% (29/29)</td>
<td>Green:</td>
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**NIWO**

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<td>Flown:</td>
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<td>23% (12/52)</td>
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**WLOU**

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|---|---|---|---|---|---|---|---|---|---|----|----|----|----|
| Flown: | 0% (0/14) | Green: | 0% (0/14) | Yellow: | 0% (0/14) | Red: | 0% (0/14) |

## Weather Forecast

**Boulder CO**

- **Monday, 6/13:** 87° | 60° F
  - Mostly Sunny
- **Tuesday, 6/14:** 80° | 58° F
  - PM Thunderstorms - 0.03 in
- **Wednesday, 6/15:** 80° | 62° F
  - Mostly Sunny
- **Thursday, 6/16:** 80° | 60° F
  - Mostly Sunny
- **Friday, 6/17:** 84° | 60° F
  - PM Thunderstorms - 0.02 in
- **Saturday, 6/18:** 82° | 58° F
  - PM Thunderstorms - 0.07 in
- **Sunday, 6/19:** 80° | 54° F
  - Isolated Thunderstorm

- **Cloud Cover (%)**
- **Chance of Precip. (%)**

The image includes a temperature graph with daily weather forecasts for Boulder CO from Monday, June 13, to Sunday, June 19. The graph shows the daily high and low temperatures in degrees Fahrenheit, with a legend indicating the weather conditions (mostly sunny, thunderstorms, etc.). The cloud cover and chance of precipitation are also displayed, with variations shown for each day.
Flight Collection Plan for 14 August 2018
No flights planned.