Payload 2 Daily Flight Report

Date: 2020-07-16
Flight Campaign ID: P2C1
Airport, FBO ID, City: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT
Southwest Wyoming Regional Airport (KRKS) - Rock Springs, CO
Boulder Municipal Airport (KBDU) – Boulder, CO

Domain: 13 (Southern Rockies & Colorado Plateau)
Sites Flown: Transit
Days left in Domain: 17

Report Author: Ivana Vu
Lidar Operators: Ivana Vu
Spectrometer Operators: None
Pilots: Stephen Brawders, Will Matthews
Ground Crew: John Adler, Matt Devoe

Flight Hours: 01:58, 01:39
Hours until maintenance: 42.73
GPS Instruments: None

Summary
Crew completed the transit from Bozeman to Boulder and is prepared to start D13 data collection flights tomorrow if the weather permits.

Concerns
None

Comments
Robb and Mike set up GPS05 (NIWO) and GPS01 (WLOU)

Pictures
Hot springs in Yellowstone National Park
Grand Teton National Park
Mike Wussow setting up the GPS base station in Granby, CO (Photo by Robb Walker)

Cumulative Domain Coverage

Estimated Cloud Cover Key

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<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D13|NIWO (Niwot Ridge Mountain Research Station)

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Flown: 0% (0/52)
Green: 0% (0/52)
Yellow: 0% (0/52)
Red: 0% (0/52)

D13|WLOU (West St. Louis Creek)

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

Weather Forecast

Nederland, CO (NIWO)

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<tr>
<th>Fri 7/17</th>
<th>Sat 7/18</th>
<th>Sun 7/19</th>
<th>Mon 7/20</th>
<th>Tue 7/21</th>
<th>Wed 7/22</th>
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<tr>
<td>76°F</td>
<td>78°F</td>
<td>74°F</td>
<td>75°F</td>
<td>71°F</td>
<td>73°F</td>
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Partly Cloudy | Partly Cloudy | PM | Isolated | PM | PM |

Thunderstorms 0.05 in | Thunderstorms 0.03 in | Thunderstorms 0.14 in | Thunderstorms 0.09 in
**Flight Collection Plan for 17 July 2020**

**Flyority 1**
Collection Area: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v4.pln
On-station Time: 0930 – 1640 Local / 1530 – 2240 UTC

**Flyority 2**
Collection Area: West St Louis Creek (WLOU)
Flight Plan Name: D13_WLOU_A1_P1_v1.pln
On-station Time: 0940 – 1640 Local / 1540 – 2240 UTC
**Crew:** Mike (Lidar), Ivana (NIS), Robb (Ground)

**Flight Collection Plan for 18 July 2020**
Flyority: Same as previous day
**Crew:** Ivana (Lidar), Robb (NIS), Mike (Ground)

**Flight Collection Plan for 19 July 2020**
Flyority: Same as previous day
**Crew:** Robb (Lidar), Ivana (NIS), Mike (Ground)