Date: 2020-07-11
Flight Campaign ID: P2C1
Airport, FBO ID, City: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT

Domain: 12 (Northern Rockies)
Sites Flown: YELL (Yellowstone Northern Range)
Days left in Domain: 6

Report Author: Ivana Vu
Lidar Operators: Ivana Vu
Spectrometer Operators: John Adler
Pilots: Chad Evans, Will Matthews

Flight Hours: 03:26, 02:57
Hours until maintenance: 48.22
GPS Instruments: 04 - FBO_KBZN, U-MAWY, U-P720

Summary
Crew continued collecting data in clear sky conditions this morning and a 2nd flight was conducted to “green up” data until clouds started to build at the site. Initial coverage is now complete at D12.

Concerns
None

Comments
- QA for 2020070919 encountered an error and was rerun. Data from today’s flights will be extracted tomorrow.
- Happy Birthday, Robb Walker!

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green:</th>
<th>Yellow:</th>
<th>Red:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10%</td>
<td>11-50%</td>
<td>&gt;50%</td>
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D12|YELL

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<th>3</th>
<th>4</th>
<th>5</th>
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Total number of lines flown: 25
## Lidar

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Cloud Cover

Total number of lines flown: 14

### Flight Screenshots

NIS

![Lidar](image1.png)

![Lidar](image2.png)
Cumulative Domain Coverage

D12|N12A (D12 Nominal Runway)

- Flown: 100% (1/1)
- Green: 100% (1/1)
- Yellow: 0% (0/1)
- Red: 0% (0/1)

D12|YELL (Yellowstone Northern Range)

- Flown: 100% (85/85)
- Green: 87% (74/85)
- Yellow: 13% (11/85)
- Red: 0% (0/85)

Weather Forecast

<table>
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<tr>
<th>Sun 7/12</th>
<th>Mon 7/13</th>
<th>Tue 7/14</th>
<th>Wed 7/15</th>
<th>Thu 7/16</th>
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<tbody>
<tr>
<td>83°</td>
<td>48°F</td>
<td>71°</td>
<td>38°F</td>
<td>73°</td>
<td>40°F</td>
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- Mostly Sunny
- Partly Cloudy
- Mostly Sunny
- Sunny
- Mostly Sunny

Flight Collection Plan for 12-17 July 2020

Flyority 1

Collection Area: Yellowstone Northern Range (YELL)
Flight Plan Name: D12_YELL_C1_P1_v4_650AGL_Max.pln
On-station Time: 0950 – 1700 Local / 1550 – 2300 UTC
Crew: John Adler and Ivana Vu