Payload 3 Daily Flight Report

Date: 2023-07-17
Flight Campaign ID: P3C1
Airport, FBO ID, City: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT
Aircraft: N934MU

Domain: 12 (Northern Rockies)
Sites Flown: None
Days left in Domain: 3

Report Author: Elissa
Lidar Operators: Elissa  Flight Hours: 00:00
Spectrometer Operators: Mitch  Hours until maintenance: 102.98
Pilots: Justin, Will

Summary
Overcast skies and rain hung over the region today, preventing flights. The next two days look good for collections.

Concerns
None.

Comments
We gave a tour of the plane to local domain staff this evening. Thanks for stopping by, D12!

Pictures
Had a great tour with D12 staff! Previous: Mitch demo’ing the spectrometer.

Cumulative Domain Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D12|YELL (Yellowstone Northern Range)

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Flown: 56% (48/85)  
Green: 53% (45/85)  
Yellow: 4% (3/85)  
Red: 0% (0/85)  

Cumulative Domain Coverage

Estimated Cloud Cover Key

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Weather Forecast

Gardiner, MT (YELL)

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<tr>
<th></th>
<th>Tue 7/18</th>
<th>Wed 7/19</th>
<th>Thu 7/20</th>
<th>Fri 7/21</th>
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<tbody>
<tr>
<td>Temp</td>
<td>83°</td>
<td>81°</td>
<td>78°</td>
<td>83°</td>
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<td>Cond</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
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<td>Precip</td>
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source: wunderground.com

Flight Collection Plan for 18 July 2023

Flyority 1
Collection Area: Yellowstone Northern Range (YELL)
Flight Plan Name: D12_YELL_C1_P1_v3_Q780
On-Station Time: 16:00 UTC/ 10:00 L

Crew: Mitch (Lidar), Elissa (NIS)