Date: 2023-07-10  
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: 10

Report Author: Mitch  
Lidar Operators: Mitch  
Flight Hours: 00:00  
Spectrometer Operators: Mike  
Hours until maintenance: 110.42  
Pilots: Justin, Will

Summary
The Gallatin Valley was socked in with low clouds this morning, preventing any transit to YELL as the cloud deck was too low to make it over nearby mountain ranges. As the clouds over mountains lifted, clouds began forming over YELL. As the day progressed, convective activity accelerated, eventually leading to late afternoon thunderstorms. No flights were conducted.

Concerns
None

Comments
- D12 deployment extended an additional 5 days to allow greater opportunity for green collect. P3 will tentatively plan to transit to Boulder for D10/13 collects on 7/21, unless green coverage is achieved prior.
- Replacement Sherpa that has been in use since D09, died at some point last night. Unsure if the Sherpa unit or the charger is to blame. A third replacement is being overnighted to Belgrade.
- Replacement GPU and cord was delayed in shipment, and should arrive tomorrow.

Cumulative Domain Coverage
D12 | YELL (Yellowstone Northern Range)

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<th>19</th>
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<td>11%</td>
<td>(9/85)</td>
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<tr>
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<td>11%</td>
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Weather Forecast
Gardiner, MT (YELL)

<table>
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<tr>
<th></th>
<th>Tue 7/11</th>
<th>Wed 7/12</th>
<th>Thu 7/13</th>
<th>Fri 7/14</th>
<th>Sat 7/15</th>
<th>Sun 7/16</th>
<th>Mon 7/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>80°</td>
<td>79°</td>
<td>77°</td>
<td>77°</td>
<td>80°</td>
<td>83°</td>
<td>87°</td>
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<tr>
<td>Cond</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
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<td>Sunny</td>
<td>Mostly Sunny</td>
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<td>Partly Cloudy</td>
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<tr>
<td>Precip</td>
<td>0 in</td>
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source: wunderground.com

Flight Collection Plan for July 11, 2023

Flyority 1 (If Green)
Collection Area: Yellowstone Northern Range (YELL)
Flight Plan Name: D12_YELL_C1_P1_v3_Q780
On-Station Time: 15:50 UTC/ 09:50 L

Crew: Mike (Lidar), Mitch (NIS)