Payload 3 Daily Flight Report

Date: 2023-07-03  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT  
Aircraft: N934MU

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

Report Author: Nick  
Lidar Operators: Nick  
Flight Hours: 01:54  
Spectrometer Operators: Cameron  
Hours until maintenance: 110.42  
Pilots: Justin, Jon  
GPS Instruments: 02 - KBZN, U-MAWY, U-P720

Summary
The crew took advantage of our early start in D12 and clear skies this morning. The air shed and 1 priority TOS flight line at YELL were collected under green sky conditions before clouds built up.

GPS-2 was deployed to BZN FBO before the flight this morning.

Concerns
None

Comments
Mike rotates in this evening. Nick rotates out tomorrow.

An electrical adapter was shipped to the P3 crew for D17.

Daily 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

<table>
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<tr>
<th>Line #</th>
<th>1</th>
<th>46</th>
<th>47</th>
<th>48</th>
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<tbody>
<tr>
<td>Lidar</td>
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<td>Spectrometer</td>
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<tr>
<td>Cloud Cover</td>
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Total number of lines flown: 9
Flight Screenshots

2023070313 P3C1 NIS screenshot

2023070313 P3C1 lidar screenshot

Pictures

A view of YELL area

Cumulative Domain Coverage

D12|YELL (Yellowstone Northern Range)

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Weather Forecast
Gardiner, MT (YELL)

Bozeman, MT (FBO)

Flight Collection Plan for July 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: Cameron (Lidar), Mike (NIS)