Payload 2 Daily Flight Report

Date: 2020-07-14
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: 3

Report Author: John Adler
Lidar Operators: John Adler
Spectrometer Operators: Ivana Vu
Pilots: Stephen Brawders, Will Matthews

Flight Hours: 01:52
Hours until maintenance: 46.35
GPS Instruments: 04 - FBO_KBZN, U-MAWY, U-P720

Summary
Completed all Yellowstone flight lines under Green conditions. Will prepare for return to Boulder (KBDU) after flights are cleared by science.

Concerns
None.

Comments
None.

Daily Coverage

Estimated Cloud Cover Key

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

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<tr>
<th>Line #</th>
<th>1</th>
<th>67</th>
<th>68</th>
<th>77</th>
<th>78</th>
<th>79</th>
<th>80</th>
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<th>82</th>
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<tbody>
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<td>Cloud Cover</td>
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Total number of lines flown: 12
Flight Screenshots

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: 100% (85/85)
Yellow: 0% (0/85)
Red: 0% (0/85)
Flight Collection Plan for 15/16 Jul Month 2020
The crew will prepare to transit back to Boulder, Colorado unless there is a data problem discovered at D12.