Payload 3 Daily Flight Report

Date: 2022-07-21  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO  
Aircraft: N70AR

Domain: 10 (Central Plains)  
Sites Flown: None  
Days left in Domain: 6

Report Author: Matt  
Lidar Operators: Matt  
Flight Hours: 00:00  
Spectrometer Operators: Cam  
Hours until maintenance: 101.93  
Pilots: Justin, Brent

Summary  
A faulty fuel boost pump and clouds over Rocky Mountain National Park prevented any data collection flights from occurring.

Concerns  
None

Comments  
- The solar angle for RMNP has been relaxed to 35 degrees

Daily Coverage

Estimated Cloud Cover Key

| Green: 0-10% | Yellow: 11-50% | Red: >50% |

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

D10|ARIK (Arikaree River )

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Flown: 100% (35/35)  
Green: 100% (35/35)  
Yellow: 0% (0/35)  
Red: 0% (0/35)
Flown: 100% (3/3)
Green: 100% (3/3)
Yellow: 0% (0/3)
Red: 0% (0/3)

Flown: 100% (21/21)
Green: 100% (21/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

Flown: 100% (25/25)
Green: 100% (25/25)
Yellow: 0% (0/25)
Red: 0% (0/25)

Weather Forecast

**Allenspark, CO (RMNP)**

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<tr>
<th>Fri 7/22</th>
<th>Sat 7/23</th>
<th>Sun 7/24</th>
<th>Mon 7/25</th>
<th>Tue 7/26</th>
<th>Wed 7/27</th>
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<tbody>
<tr>
<td>80°</td>
<td>60°</td>
<td>78°</td>
<td>53°</td>
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<td>0.02 in</td>
<td>0.13 in</td>
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<td>0.1 in</td>
<td>0.05 in</td>
<td>0.21 in</td>
<td>0.24 in</td>
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Cloud Cover (%) | Chance of Precip. (%)

source: wunderground.com
Flight Collection Plan for July 22nd 2022

Flyority 1:
Collection Area: Rocky Mountain National Park (RMNP)
Flight plan name: D10_RMNP_R2_P1_v2_Q780
On-Station Time: 1510 UTC / 0910 L

Crew: Cam (Lidar), Matt (NIS)