Payload 3 Daily Flight Report

Date: 2024-08-04
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N821AR

Domain: 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau), 15 (Great Basin)
Sites Flown: None
Days left in Domain: 22

Report Author: Matt
Lidar Operators: Matt  Flight Hours: 0.00
Spectrometer Operators: Elissa  Hours until maintenance: 101.83
Pilots: Vince, Will  GPS Instruments: N/A
Ground Crew: Nick

Summary
No flights were conducted today while the crew waits on the fuel neck seal to be replaced. TOIL mechanic is inbound; estimate monday afternoon return to service.

Concerns
None.

Comments
None.

Daily Coverage
None.

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Cumulative Domain Coverage
D10 ARIK (Arikaree River)

<table>
<thead>
<tr>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Flown: 0% (0/33)
Green: 0% (0/33)
Yellow: 0% (0/33)
Red: 0% (0/33)
D10|RMNP (Rocky Mountain National Park)

Flown: 97% (38/39)
Green: 97% (38/39)
Yellow: 0% (0/39)
Red: 0% (0/39)

D10|STER (Sterling Agricultural Site)

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

D13|NIWO (Niwot Ridge Mountain Research Station)

Flown: 100% (51/51)
Green: 100% (51/51)
Yellow: 0% (0/51)
Red: 0% (0/51)

D13|WLOU (West St. Louis Creek)

Flown: 92% (12/13)
Green: 92% (12/13)
Yellow: 0% (0/13)
Red: 0% (0/13)

Weather Forecast
Nederland CO (NIWO)

<table>
<thead>
<tr>
<th>Mon 8/5</th>
<th>Tue 8/6</th>
<th>Wed 8/7</th>
<th>Thu 8/8</th>
<th>Fri 8/9</th>
<th>Sat 8/10</th>
<th>Sun 8/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°</td>
<td>57°F</td>
<td>79°</td>
<td>60°F</td>
<td>80°</td>
<td>54°F</td>
<td>69°</td>
</tr>
</tbody>
</table>

Scattered PM PM Cloudy PM PM Scattered PM PM

Thunderstorms Thunderstorms Thunderstorms Thunderstorms Thunderstorms Thunderstorms Thunderstorms Thunderstorms

0.16 in 0.11 in 0.13 in 0.24 in 0.27 in 0.17 in 0.15 in

Temperature and precipitation forecast for Nederland CO (NIWO) from Monday, August 5th to Sunday, August 11th, including high and low temperatures, precipitation amounts, and weather conditions.
Flight Collection Plan for August 5th 2024

Flyority 1
Collection Area: Niwot Ridge Mountain Research Station
Flight Plan Name: D13_NIWO_C1_P1_v5_Q780
On-station Time: 1540 UTC / 0940 L
Flyority 2
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v4_Q780
On-station Time: 1540 UTC / 0940 L

Flyority 3
Collection Area: Arikaree River (ARIK) – Priority 1 & 2 Flight Box
Flight Plan Name: D10_ARIK_A1_P2_v3_Q780
On-station Time: 1520 UTC / 0920 L

Flyority 4
Collection Area: Northern Utah Priority 1 Flight Plan
Flight Plan Name: D15_CTWD_S1_P1_v1
On-station Time: 1520 UTC / 0920 L

Flyority 4
Collection Area: Northern Utah Priority 2 Flight Plan
Flight Plan Name: D15_CTWD_S1_P2_v1
On-station Time: 1520 UTC / 0920 L

Crew: Elissa (Lidar), Nick (NIS), Matt (Ground)