Payload 3 Daily Flight Report

Date: 2022-07-01
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: 27

Report Author: John
Lidar Operators: John
Flight Hours: 00:00
Spectrometer Operators: Abe
Hours until maintenance: 27.92
Pilots: Vince, Brent
Ground Crew: Matt

Summary: Worked with the pilots to plan out the Cottonwoods project, and scheduled how we were to deploy GPS stations to ARIK and RMNP.

Concerns: None
Comments: None

Cumulative Domain Coverage

D10|ARIK (Arikaree River )

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

D10|CTWD_BOX ()

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<th>1</th>
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Flown: 0% (0/3)
Green: 0% (0/3)
Yellow: 0% (0/3)
Red: 0% (0/3)

D10|CTWD_LINES ()

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Flown: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)
Weather Forecast
Boulder, CO

<table>
<thead>
<tr>
<th>Sat 7/2</th>
<th>Sun 7/3</th>
<th>Mon 7/4</th>
<th>Tue 7/5</th>
<th>Wed 7/6</th>
<th>Thu 7/7</th>
<th>Fri 7/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>87°</td>
<td>61°F</td>
<td>80°</td>
<td>64°F</td>
<td>89°</td>
<td>63°F</td>
<td>91°</td>
</tr>
</tbody>
</table>

Cloud Cover (%): Mostly Sunny
Chance of Precip. (%): Thunderstorms

Allenspark, CO (RMNP)

<table>
<thead>
<tr>
<th>Sat 7/2</th>
<th>Sun 7/3</th>
<th>Mon 7/4</th>
<th>Tue 7/5</th>
<th>Wed 7/6</th>
<th>Thu 7/7</th>
<th>Fri 7/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>68°</td>
<td>51°F</td>
<td>73°</td>
<td>55°F</td>
<td>72°</td>
<td>54°F</td>
<td>73°</td>
</tr>
</tbody>
</table>

Cloud Cover (%): Thunderstorms
Chance of Precip. (%): Isolated

Joes, CO (ARIK)

<table>
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<tr>
<th>Sat 7/2</th>
<th>Sun 7/3</th>
<th>Mon 7/4</th>
<th>Tue 7/5</th>
<th>Wed 7/6</th>
<th>Thu 7/7</th>
<th>Fri 7/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>92°</td>
<td>60°F</td>
<td>94°</td>
<td>65°F</td>
<td>98°</td>
<td>63°F</td>
<td>97°</td>
</tr>
</tbody>
</table>

Cloud Cover (%): Mostly Sunny
Chance of Precip. (%): Thunderstorms

source: wunderground.com
Flight Collection Plan for 2 July 2022

Flyority 1:
Collection Area: Rocky Mountain National Park (RMNP)
Flight plan name: D10_RMNPR2_P1_v2_Q780
On-Station Time: 1530 UTC / 0930 L

Flyority 2:
Collection Area: Arikaree River (ARIK)
Flight plan name: D10_ARIK_A1_P2_v3_Q780
On-Station Time: 1510 UTC / 0910 L

Flyority 3:
Collection Area: Canyonlands 800m Flight Box (CTWD_BOX)
Flight plan name: D13_CTWD_CNYNLnds_FB_800m_v1
On-Station Time: 1540 UTC / 0940 L

Flyority 4:
Collection Area: Canyonlands 1000m Flight Line (CTWD_LINES)
Flight Plan Flight plan name: D13_CTWD_CNYNLnds_FL_v3
On-Station Time: 1540 UTC / 0940 L

Crew: Matt (Lidar), John (NIS), Abe (Ground)