Date: 2019-08-05
Flight Campaign ID: 2019_P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 13
Sites Flown: None
Days left in Domain: 21

Report Author: Ivana Vu
Flight Crew: Mitch Haynes, Ivana Vu
Flight Hours: 00:00
Ground/GPS: Mitch Haynes
Hours until maintenance: 69.18
Pilots: Dylan Malfatti, Chad Evans
Additional Personnel: None
GPS Instruments: None

Summary
Flight crew was ready to attempt data collection at Moab due to promising forecasts, however, webcams showed clouds building by the start of the solar angle window. There were also low cumulus clouds at Niwot Ridge so no flights were conducted today.

Concerns
None

Comments
None

Cumulative Domain Coverage

### MOAB

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 0% (0/29)
Green: 0% (0/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

### NIWO

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<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>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 0% (0/52)
Green: 0% (0/52)
Yellow: 0% (0/52)
Red: 0% (0/52)
Weather Forecast
Nederland, CO (NIWO)

<table>
<thead>
<tr>
<th></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>Temp</td>
<td>77°</td>
<td>75°</td>
<td>72°</td>
<td>72°</td>
<td>72°</td>
<td>72°</td>
</tr>
<tr>
<td>Low</td>
<td>56°</td>
<td>54°</td>
<td>53°</td>
<td>53°</td>
<td>53°</td>
<td>52°</td>
</tr>
<tr>
<td>Conditions</td>
<td>Mostly Sunny</td>
<td>PM Thunderstorms</td>
<td>PM Thunderstorms</td>
<td>PM Thunderstorms</td>
<td>PM Thunderstorms</td>
<td>Isolated Thunderstorms</td>
</tr>
<tr>
<td>Precipitation</td>
<td>0 in</td>
<td>0.23 in</td>
<td>0.22 in</td>
<td>0.1 in</td>
<td>0.07 in</td>
<td>0.07 in</td>
</tr>
</tbody>
</table>

Moab, UT (MOAB)

<table>
<thead>
<tr>
<th></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>Temp</td>
<td>102°</td>
<td>97°</td>
<td>96°</td>
<td>96°</td>
<td>97°</td>
<td>95°</td>
</tr>
<tr>
<td>Low</td>
<td>75°</td>
<td>70°</td>
<td>71°</td>
<td>71°</td>
<td>70°</td>
<td>68°</td>
</tr>
<tr>
<td>Conditions</td>
<td>Party Cloudy</td>
<td>Party Cloudy</td>
<td>Party Cloudy</td>
<td>Party Cloudy</td>
<td>Party Cloudy</td>
<td>Party Cloudy</td>
</tr>
<tr>
<td>Precipitation</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Flight Collection Plan for 06 August 2019

Flyority 1
Collection Area: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v5_Q780
On-Station Time: 1540 – 2230 UTC / 0940 – 1630 L

Flyority 2
Collection Area: Moab (MOAB)
Flight Plan Name: D13_MOAB_R1_P1_v3_Q780
On-Station Time: 1550 – 2240 UTC / 0950 – 1640 L
Crew: Ivana Vu (Lidar), Matt DeVoe (NIS/GPS)

Flight Collection Plan for 07 August 2019
Flyority: Same as previous day
Crew: Matt DeVoe (Lidar), Ivana Vu (NIS/GPS)