Payload 2 Daily Flight Report

Date: 2020-08-04  
Flight Campaign ID: P2C1  
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 13 (Southern Rockies & Colorado Plateau)  
Sites Flown: None  
Days left in Domain: 07

Report Author: Michael Wussow  
Lidar Operators: Michael Wussow  
Spectrometer Operators: John Adler  
Pilots: Justin Eddington, Stephen Brawders  
Ground Crew: Robb Walker

Flight Hours: 00:31  
Hours until maintenance: 31.70

Summary  
Thick clouds this morning lingered, then dissipated, leaving a small window of opportunity that quickly gave way to cumulus cover. A flight attempt was made, but was conditions were thought to be sub-par for “green” data and the flight was terminated before any data was collected.

Concerns  
None

Comments  
None

Daily Coverage

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

Cumulative Domain Coverage

D13|NIWO (Niwot Ridge Mountain Research Station)

|   |  1 |  2 |  3 |  4 |  5 |  6 |  7 |  8 |  9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
|   | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|   | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |

Flown: 73% (38/52)  
Green: 73% (38/52)  
Yellow: 0% (0/52)  
Red: 0% (0/52)

D13|WLOU (West St. Louis Creek )

|   |  1 |  2 |  3 |  4 |  5 |  6 |  7 |  8 |  9 | 10 | 11 | 12 | 13 | 14 |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|

Flown: 100% (14/14)  
Green: 57% (8/14)  
Yellow: 43% (6/14)  
Red: 0% (0/14)
Weather Forecast
Nederland, CO

<table>
<thead>
<tr>
<th></th>
<th>Wed 8/5</th>
<th>Thu 8/6</th>
<th>Fri 8/7</th>
<th>Sat 8/8</th>
<th>Sun 8/9</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>73°</td>
<td>75°</td>
<td>77°</td>
<td>76°</td>
<td>74°</td>
</tr>
<tr>
<td>Thundershowers</td>
<td>0.08 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
<tr>
<td>PM</td>
<td>55°F</td>
<td>57°F</td>
<td>56°F</td>
<td>55°F</td>
<td>54°F</td>
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</table>

Fraser, CO

<table>
<thead>
<tr>
<th></th>
<th>Wed 8/5</th>
<th>Thu 8/6</th>
<th>Fri 8/7</th>
<th>Sat 8/8</th>
<th>Sun 8/9</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>76°</td>
<td>75°</td>
<td>75°</td>
<td>75°</td>
<td>74°</td>
</tr>
<tr>
<td>Solidly Sunny</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
<tr>
<td>PM</td>
<td>52°F</td>
<td>50°F</td>
<td>50°F</td>
<td>50°F</td>
<td>49°F</td>
</tr>
</tbody>
</table>

Flight Collection Plan for 05 August 2020
Flyority 1
Collection Area: Niwot Ridge Mountain Research Station (NIWO), Lines 5-19
Flight Plan Name: D13_NIWO_C1_P1_v4.pln
On-station Time: 0950 – 1630 Local / 1550 – 2230 UTC

Flyority 2
Collection Area: West St Louis Creek (WLOU), Lines 10-14 if conditions are “green”
Flight Plan Name: D13_WLOU_A1_P1_v1.pln
On-station Time: 0950 – 1630 Local / 1550 – 2230 UTC
Crew Members: Robb (Lidar), Ivana (NIS), Mike (Ground)
Flight Collection Plan for 06 August 2020
Flyority: Same as Previous Day
Crew Members: Ivana (Lidar), Robb (NIS), Mike (Ground)