Payload 1 Daily Flight Report

Date: 2021-08-23  
Flight Campaign ID: P1C2  
Airport, FBO ID, City: Winchester Regional Airport (KOKV) - Winchester, VA  
Aircraft: N331AR

Domain: 02 (Mid-Atlantic)  
Sites Flown: None  
Days left in Domain: 2

Report Author: Cameron Chapman  
Lidar Operators: Cameron Chapman  
Flight Hours: 00:00  
Spectrometer Operators: John Adler  
Hours until maintenance: 53.15  
Pilots: Justin Eddington, Nick Koukoutsakis  
GPS Instruments: None

Summary  
Morning clouds slowly began dissipating in the early afternoon but not enough for 'Green' sky conditions. No flights were attempted. Tomorrow's weather forecast appears promising for data collection.

Concerns: None  
Comments: None

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

D02|BLAN (Blandy Experimental Farm )

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
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<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
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<td>25</td>
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<td></td>
</tr>
</tbody>
</table>

Flown: 100% (33/33)  
Green: 0% (0/33)  
Yellow: 0% (0/33)  
Red: 100% (33/33)
D02|N02B (D02 Nominal Runway)

- Flown: 100% (1/1)
- Green: 0% (0/1)
- Yellow: 0% (0/1)
- Red: 100% (1/1)

D02|SCBI (Smithsonian Conservation Biology Institute)

- Flown: 100% (32/32)
- Green: 0% (0/32)
- Yellow: 0% (0/32)
- Red: 100% (32/32)

D02|SERC (Smithsonian Ecological Research Center)

- Flown: 88% (23/26)
- Green: 0% (0/26)
- Yellow: 0% (0/26)
- Red: 88% (23/26)

D02|T02A

- Flown: 32% (6/19)
- Green: 0% (0/19)
- Yellow: 0% (0/19)
- Red: 32% (6/19)

Weather Forecast

Annapolis, MD (SERC)

<table>
<thead>
<tr>
<th>Day</th>
<th>Temperature</th>
<th>Weather</th>
<th>Chance of Precip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tue 8/24</td>
<td>89°</td>
<td>Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Wed 8/25</td>
<td>88°</td>
<td>Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Thu 8/26</td>
<td>90°</td>
<td>Mostly Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Fri 8/27</td>
<td>88°</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Winchester, VA (SCBI, BLAN)

<table>
<thead>
<tr>
<th>Day</th>
<th>Temperature</th>
<th>Weather</th>
<th>Chance of Precip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tue 8/24</td>
<td>92°</td>
<td>Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Wed 8/25</td>
<td>94°</td>
<td>Mostly Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Thu 8/26</td>
<td>94°</td>
<td>Mostly Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Fri 8/27</td>
<td>92°</td>
<td>Mostly Sunny</td>
<td>0.04 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for 24 August 2021

Flyority 1 – if Green

Collection Area: Smithsonian Environmental Research Center (SERC)

Flight Plan Name: D02_SERC_R1_P1_v1_PRM.xml

On-Station Time: 1350 UTC/ 0950 L
Flyority 2 – if Green
Collection Area: Smithsonian Conservation Biology Institute (SCBI)
Flight Plan Name: D02_SCBI_C1_P1_v1_PRM.xml
On-Station Time: 1400 UTC/ 1000 L

Flyority 3 – if Green
Collection Area: Blandy Experimental Farm (BLAN)
Flight Plan Name: D02_BLAN_R2_P1_v3_PRM.xml
On-Station Time: 1400 UTC/ 1000 L

Crew: John, Cameron