**Flight Campaign ID:** 2017_P1C1  
**FBO ID & City:** Charlottesville Albemarle Airport (KCHO) - Charlottesville, VA  
**Domain:** 02  
**Sites Flown:** MLBS  
**Days left in Domain:** 19  
**Flight Hours:** 1.48  
**Hours until maintenance:** 62.18  

**Date:** 2017-07-20  
**Report Author:** Cameron Chapman  
**Pilots:** David Hanks, Stephen Brawder  
**Flight Crew:** Cameron Chapman David Gambino  
**Ground/GPS:** Doug Cavender / Mitch Haynes  
**Additional Personnel:**  

**GPS Instruments:**  
01 - FBO - KCHO, 09-MLBS  

**Summary:** An Initial collect was attempted over MLBS today however upon arriving, the low cumulus clouds caused several Lidar eye safety shutoffs and prevented any useful collection.  

**Issues/Concerns:**  
D-Ops auto-trigger produced image banding artifacts. The problem disappears when triggering the camera manually. Will continue to monitor/troubleshoot as needed.  

**Comments:**  
- Pilot Stephen Brawder arrived
**NIS/Lidar Screenshot:** None

**Pictures:** None:

**Weather Forecast**

<table>
<thead>
<tr>
<th>Pembroke, VA</th>
<th>Site(s) MLBS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fri 07/21</td>
</tr>
<tr>
<td></td>
<td>92°</td>
</tr>
<tr>
<td></td>
<td>Partly Cloudy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Front Royal, VA</th>
<th>Site(s) BLAN &amp; SCBI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fri 07/21</td>
</tr>
<tr>
<td></td>
<td>94°</td>
</tr>
<tr>
<td></td>
<td>Mostly Cloudy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Londontowne, MD</th>
<th>Site(s) SERC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fri 07/21</td>
</tr>
<tr>
<td></td>
<td>92°</td>
</tr>
<tr>
<td></td>
<td>Partly Cloudy</td>
</tr>
</tbody>
</table>

Legend:
- Cloud Cover (%)
- Chance of Precip. (%)
- Chance of Snow (%)

Front Royal, VA: 1 site: BLAN & SCBI
Londontowne, MD: 1 site: SERC
Flight Collection Plan for 21 July 2017

Flyority 1:
Collection Area: Smithsonian Conservation Biology Institute (SCBI) If “Green” Conditions
Flight Plan Name: D02_SCBI_C1_P1_v1.pln
On Station: 0950L / 1350 UTC

Flyority 2:
Collection Area: Mountain Lake Biological Station (MLBS)
Flight Plan Name: D07_MLBS_R2_P1_v5.pln
On Station: 1000L / 1400 UTC

Flyority 3:
Collection Area: Smithsonian Ecological Research Center (SERC)
Flight Plan Name: D02_SERC_R1_P1_v1.pln
On Station: 0940L / 1340 UTC

Flyority 4:
Collection Area: Blandy Experimental Farm (BLAN)
Flight Plan Name: D02_BLAN_R2_P1_v2.pln
On Station: 0950L / 1350 UTC

Crew:
Lidar: Doug Cavender
NIS: Cameron Chapman
Ground / GPS: Mitch Haynes / David Gambino

Flight Collection Plan for 22 July 2017

Flyority 1:
Collection Area: Smithsonian Conservation Biology Institute (SCBI)
Flight Plan Name: D02_SCBI_C1_P1_v1.pln
On Station: 0950L / 1350 UTC

Flyority 2:
Collection Area: Mountain Lake Biological Station (MLBS)
Flight Plan Name: D07_MLBS_R2_P1_v5.pln
On Station: 0950L / 1350 UTC

Flyority 3:
Collection Area: Smithsonian Ecological Research Center (SERC)
Flight Plan Name: D02_SERC_R1_P1_v1.pln
On Station: 0940L / 1340 UTC

Flyority 4:
Collection Area: Blandy Experimental Farm (BLAN)
Flight Plan Name: D02_BLAN_R2_P1_v2.pln
On Station: 0950L / 1350 UTC

Crew:
Lidar: David Gambino
NIS: Doug Cavender
Ground / GPS: Mitch Haynes / Cameron Chapman