2017_P1C1 Daily Report

Flight Campaign ID: 2017_P1C1
FBO ID & City: Asheville Regional Airport (KAVL) - Asheville, NC
Domain: 07
Sites Flown: None
Days left in Domain: 8
Flight Hours: 00:00
Hours until maintenance: 56.40

Date: 2017-10-18
Report Author: Cameron Chapman
Pilots: Stephen Brawder, Justin Eddington
Flight Crew: Mitch Haynes, Cameron Chapman
Ground/GPS: Heather Rogers
Additional Personnel:

GPS Instruments:
03 - GRSM, 11 - FBO-KAVL

Summary:
The flight crew decided to hold off on flights today due to high clouds visible over the GRSM flight box (corroborated by webcams and on site personnel) which would have precluded the chance for a green data collect during our sun angle.

Issues/Concerns:
- Ongoing camera banding issue
- Axe should be inspected after flight season to reinforce loose connections

Comments:
- Battery was swapped out from GPS 3 at GRSM
- Updated solar angle times have been provided. Flight crew remains confident that the rest of the priority 1 flight box (lines 72-105) can be collected under nominal green conditions within the original 40° solar angle. Updated 35° and 30° solar angles will only be used should the crew feel the priority 2 box cannot be completed under green conditions within the 40° restraint.
**Weather Forecast**
Gatlinburg, TN

<table>
<thead>
<tr>
<th>Thu 10/19</th>
<th>Fri 10/20</th>
<th>Sat 10/21</th>
<th>Sun 10/22</th>
<th>Mon 10/23</th>
<th>Tue 10/24</th>
</tr>
</thead>
<tbody>
<tr>
<td>74°</td>
<td>43°F</td>
<td>78°</td>
<td>46°F</td>
<td>78°</td>
<td>48°F</td>
</tr>
<tr>
<td>Sunny</td>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Showers</td>
</tr>
</tbody>
</table>

**Flight Collection Plan for October 19th 2017:**

**Flyority 1**
Collection Area: Great Smoky Mountains National Park (GRSM) Priority 1 Flight Plan, Lines 14-23, 30-33 & 67-105
Flight Plan Name: D07_GRSM_R1_P1_v1_650AGLmaxB.pln
On Station Time: 1140 Local / 1540 UTC

**Flyority 2**
Collection Area: Great Smoky Mountains National Park (GRSM) Priority 2 Flight Plan
Flight Plan Name: D07_GRSM_R1_P2_v1_650AGLmaxB.pln
On Station Time: 1140 Local / 1540 UTC

**Crew**
Lidar: Mitch Haynes, NIS: Heather Rogers, Ground/GPS: Cameron Chapman

**Flight Collection Plan for October 20th 2017:**

**Flyority 1**
Collection Area: Great Smoky Mountains National Park (GRSM) Priority 1 Flight Plan, -105
Flight Plan Name: D07_GRSM_R1_P1_v1_650AGLmaxB.pln
On Station Time: 1140 Local / 1540 UTC

**Flyority 2**
Collection Area: Great Smoky Mountains National Park (GRSM) Priority 2 Flight Plan
Flight Plan Name: D07_GRSM_R1_P2_v1_650AGLmaxB.pln
On Station Time: 1140 Local / 1540 UTC

**Crew**
Lidar: Heather Rogers, NIS: Cameron Chapman, Ground/GPS: Mitch Haynes