Date: 2022-09-24
Flight Campaign ID: P1C1
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC
Aircraft: N331AR

Domain: 07 (Appalachians & Cumberland Plateau)
Sites Flown: None
Days left in Domain: 18

Report Author: Mike
Lidar Operators: Mike
Flight Hours: 00:00
Spectrometer Operators: Cameron
Hours until maintenance: 105.60
Pilots: Justin, Sam
GPS Instruments: None

Summary
Conditions were overcast today and no flights were conducted.

Concerns
- None

Comments
- 2022090715 is being re-extracted since RAID 20 could not be ingested at the ECS.

Cumulative Domain Coverage

D07|GRSM_P1 (Great Smoky Mountains National Park Priority 1)

| 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| 53| 54| 55| 56| 57| 58| 59| 60|
| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80|

Flown: 35% (24/69)
Green: 35% (24/69)
Yellow: 0% (0/69)
Red: 0% (0/69)

D07|GRSM_P2 (Great Smoky Mountains National Park Priority 2)

| 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| Flown: 0% (0/20) |
| Green: 0% (0/20) |
| Yellow: 0% (0/20) |
| Red: 0% (0/20) |
D07|MLBS (Mountain Lake Biological Station)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<th>18</th>
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<th>20</th>
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<td>34</td>
<td></td>
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</tbody>
</table>

Flown: 71% (24/34)
Green: 68% (23/34)
Yellow: 3% (1/34)
Red: 0% (0/34)

D07|N07A (D07 Nominal Runway)

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

Weather Forecast

Gatlinburg, TN (GRSM)

<table>
<thead>
<tr>
<th>Sun 9/25</th>
<th>Mon 9/26</th>
<th>Tue 9/27</th>
<th>Wed 9/28</th>
<th>Thu 9/29</th>
<th>Fri 9/30</th>
<th>Sat 10/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>78°F</td>
<td>54°F</td>
<td>74°F</td>
<td>46°F</td>
<td>70°F</td>
<td>45°F</td>
<td>69°F</td>
</tr>
<tr>
<td>Scattered</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Showers</td>
</tr>
<tr>
<td>0.24 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.02 in</td>
<td>0.33 in</td>
<td>0.2 in</td>
</tr>
</tbody>
</table>

Pembroke, VA (MLBS)

<table>
<thead>
<tr>
<th>Sun 9/25</th>
<th>Mon 9/26</th>
<th>Tue 9/27</th>
<th>Wed 9/28</th>
<th>Thu 9/29</th>
<th>Fri 9/30</th>
<th>Sat 10/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F</td>
<td>53°F</td>
<td>68°F</td>
<td>45°F</td>
<td>63°F</td>
<td>41°F</td>
<td>62°F</td>
</tr>
<tr>
<td>PM</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Showers</td>
</tr>
<tr>
<td>0.12 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0.27 in</td>
<td>0.57 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 25 September 2022

Flyority 1
Collection Area: Mountain Lake Biological Station (MLBS)  **If Green 29-34 & 2-5**
Flight Plan Name: D07_MLBS_R1_P1_v6_PRM.xml
40° On-station Time: 15:00 UTC /11:00L

Flyority 2 ( **If Green 1 -33 & 57- 68**)
Collection Area: Great Smokey Mountains National Park (GRSM) – Priority 1 Flight Box – Variable Altitude Plan
Flight Plan Name: D07_GRSM_R1_P1_P1_v5_PRM_Var_Alt.xml
40° On-station Time: 15:00 UTC /11:00L

Flyority 3
Collection Area: Great Smokey Mountains National Park (GRSM) – Priority 2 Flight Box – Variable Altitude Plan
Flight Plan Name: D07_GRSM_R1_P1_P2_v5_PRM_Var_Alt.xml
40° On-station Time: 14:50 UTC / 10:50L

Flyority 4
Collection Area: Nominal Runway – D07
Flight Plan Name: D07_N07A_Nominal_Runway_Test_v2_PRM.xml
40° On-station Time: N/A

Crew: Cam (Lidar), Mike (NIS)