Date: 2022-10-01  
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: 11  

Report Author: Elissa  
Lidar Operators: Elissa  
Flight Hours: 00:00  
Spectrometer Operators: Mitch  
Hours until maintenance: 95.52  
Pilots: Justin, Terry  

Summary  
Both sites remained engulfed in clouds today due to post-tropical cyclone Ian. No flights were conducted.  

Concerns  
None.  

Comments  
Abe is on his way to Asheville today.  

Cumulative Domain Coverage  

Estimated Cloud Cover Key  

| Green: 0-10% | Yellow: 11-50% | Red: >50% |

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 |

Flown: 100% (69/69)  
Green: 100% (69/69)  
Yellow: 0% (0/69)  
Red: 0% (0/69)
D07|GRSM_P2 (Great Smoky Mountains National Park Priority 2)

<table>
<thead>
<tr>
<th>70</th>
<th>71</th>
<th>72</th>
<th>73</th>
<th>74</th>
<th>75</th>
<th>76</th>
<th>77</th>
<th>78</th>
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<th>83</th>
<th>84</th>
<th>85</th>
<th>86</th>
<th>87</th>
<th>88</th>
<th>89</th>
</tr>
</thead>
</table>

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>
<th>7</th>
<th>8</th>
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<th>10</th>
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<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
</table>

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

D07|N07A (D07 Nominal Runway)

<table>
<thead>
<tr>
<th>1</th>
</tr>
</thead>
</table>

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 10/2</th>
<th>Mon 10/3</th>
<th>Tue 10/4</th>
<th>Wed 10/5</th>
<th>Thu 10/6</th>
<th>Fri 10/7</th>
<th>Sat 10/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>60°</td>
<td>48°F</td>
<td>70°</td>
<td>46°F</td>
<td>72°</td>
<td>43°F</td>
<td>74°</td>
</tr>
<tr>
<td>Cloudy 0 in</td>
<td>Mostly Sunny 0 in</td>
<td>Partly Cloudy 0 in</td>
<td>Mostly Sunny 0 in</td>
<td>Sunny 0 in</td>
<td>Partly Cloudy 0 in</td>
<td>Partly Cloudy 0 in</td>
</tr>
</tbody>
</table>

**Pembroke, VA (MLBS)**

<table>
<thead>
<tr>
<th>Sun 10/2</th>
<th>Mon 10/3</th>
<th>Tue 10/4</th>
<th>Wed 10/5</th>
<th>Thu 10/6</th>
<th>Fri 10/7</th>
<th>Sat 10/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>57°</td>
<td>47°F</td>
<td>65°</td>
<td>38°F</td>
<td>65°</td>
<td>39°F</td>
<td>69°</td>
</tr>
<tr>
<td>Showers 0.09 in</td>
<td>Partly Cloudy 0 in</td>
<td>Mostly Sunny 0 in</td>
<td>Sunny 0 in</td>
<td>Mostly Sunny 0 in</td>
<td>Partly Cloudy 0 in</td>
<td>Sunny 0 in</td>
</tr>
</tbody>
</table>

Source: wunderground.com
Flight Collection Plan for 2 October 2022

Flyority 1
Collection Area: Mountain Lake Biological Station (MLBS)
Flight Plan Name: D07_MLBS_R1_P1_v6_PRM.xml
40° On-station Time: 15:10 UTC /11:10L

Flyority 2
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: 15:10 UTC / 11:10L

Flyority 3
Collection Area: Nominal Runway – D07
Flight Plan Name: D07_N07A_Nominal_Runway_Test_v2_PRM.xml
40° On-station Time: N/A

Crew: Mitch (Lidar), Elissa (NIS), Abe (Ground)