Payload 1 Daily Flight Report

Date: 2022-09-30
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: 12

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

Summary
No flights today as the region started feeling the outer reaches of Tropical Cyclone Ian. Overcast and breezy conditions with light precipitation were observed today, however heavier bands of rain and strong winds aloft are expected tomorrow as the remnants of a weakened Ian pass by mostly to our east (see projected path below courtesy of NWS).

Concerns
None

Comments
None
Cumulative Domain Coverage

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

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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)**

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Flown: 0% (0/20)
Green: 0% (0/20)
Yellow: 0% (0/20)
Red: 0% (0/20)

**D07 MLBS (Mountain Lake Biological Station)**

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

**D07 N07A (D07 Nominal Runway)**

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

**Weather Forecast**

**Gatlinburg, TN (GRSM)**

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<th>Sat 10/1</th>
<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>
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<td>58°</td>
<td>49°F</td>
<td>62°</td>
<td>48°F</td>
<td>69°</td>
<td>46°F</td>
<td>72°</td>
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<td><img src="image" alt="Showers" /> 0.16 in</td>
<td><img src="image" alt="Showers" /> 0.08 in</td>
<td><img src="image" alt="Partly Cloudy" /> 0 in</td>
<td><img src="image" alt="Partly Cloudy" /> 0 in</td>
<td><img src="image" alt="Mostly Sunny" /> 0 in</td>
<td><img src="image" alt="Mostly Sunny" /> 0 in</td>
<td><img src="image" alt="Partly Cloudy" /> 0 in</td>
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Flight Collection Plan for 1 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: Elissa, Mitch