Payload 1 Daily Flight Report

Date: 2022-09-22
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: 20

Report Author: Mike
Lidar Operators: Mike  Flight Hours: 00:00
Spectrometer Operators: Cam  Hours until maintenance: 109.62
Pilots: Justin, Sam  GPS Instruments: None

Summary
Weather kept the crew grounded today. No flights conducted.

Concerns
None

Comments
After conversations with the lab, a round of cable tightening and reseating was carried out on the DCC and PIM this afternoon to try and prevent any further HSI timestamp issues.

Daily Coverage
Estimated Cloud Cover Key

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<tr>
<th>0-10%</th>
<th>11-50%</th>
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Cumulative Domain Coverage

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

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

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

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<th>71</th>
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<th>89</th>
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</thead>
</table>
Flown: 0% (0/20)
Green: 0% (0/20)
Yellow: 0% (0/20)
Red: 0% (0/20)
### D07 | MLBS (Mountain Lake Biological Station)

|    | 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  |     |     |     |     |     |     |

- 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

**Asheville, NC (FBO)**

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<td>73°</td>
<td>49°F</td>
<td>75°</td>
<td>55°F</td>
<td>78°</td>
<td>53°F</td>
<td>72°</td>
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<tr>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
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**Gatlinburg, TN (GRSM)**

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<td>72°</td>
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<tr>
<td>Sunny</td>
<td>Partly Cloudy</td>
<td>PM</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
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<td>0 in</td>
<td>0 in</td>
<td>Thunderstorms</td>
<td>0.05 in</td>
<td>0 in</td>
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Flight Collection Plan for 23 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
Collection Area: Great Smokey Mountains National Park (GRSM) – Priority 1 Flight Box – Variable Altitude Plan
Flight Plan Name: D07_GRSM_R1_P1_P2_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)