Payload 1 Daily Flight Report

Date: 2021-05-30
Flight Campaign ID: P1C2
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC
Aircraft: N331AR

Domain: 07 (Appalachians & Cumberland Plateau)
Sites Flown: None
Days left in Domain: 31

Report Author: Ivana Vu
Lidar Operators: Ivana Vu
Spectrometer Operators: Elissa Barris
Flights: Justin Eddington, Vince Maarschalkerweerd

Flight Hours: 00:00
Hours until maintenance: 79.37

Summary
Low overcast clouds prevented flights today.

Concerns
None

Comments
TOIL pilot rotation: Vince Maarschalkerweerd replaced Will Mathews and was briefed on the GRSM variable altitude flight plan

Cumulative Domain Coverage

Estimated Cloud Cover Key

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<th>Yellow</th>
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D07|GRSM_P1 (Great Smoky Mountains National Park Priority 1)

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

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Yellow: 0% (0/20)
Red: 0% (0/20)
### D07 | MLBS (Mountain Lake Biological Station)

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- Flown: 0% (0/34)
- Green: 0% (0/34)
- Yellow: 0% (0/34)
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### D07 | N07A (D07 Nominal Runway)

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- Green: 0% (0/1)
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- Red: 0% (0/1)

### D07 | ORNL (Oak Ridge National Laboratory)

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- Flown: 20% (12/61)
- Green: 0% (0/61)
- Yellow: 20% (12/61)
- Red: 0% (0/61)

### Weather Forecast

**Gatlinburg, TN (GRSM)**

<table>
<thead>
<tr>
<th>Mon 5/31</th>
<th>Tue 6/1</th>
<th>Wed 6/2</th>
<th>Thu 6/3</th>
<th>Fri 6/4</th>
<th>Sat 6/5</th>
<th>Sun 6/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>**77°</td>
<td>56°F**</td>
<td>**79°</td>
<td>59°F**</td>
<td>**79°</td>
<td>61°F**</td>
<td>**77°</td>
</tr>
<tr>
<td>Partly Cloudy</td>
<td>Mostly Cloudy</td>
<td>Cloudy</td>
<td>Scattered</td>
<td>Scattered</td>
<td>Isolated</td>
<td>Scattered</td>
</tr>
</tbody>
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- 0 in
- 0 in
- 0.03 in
- 0.35 in
- 0.24 in
- 0.13 in
- 0.15 in

**Oak Ridge, TN (ORNL)**

<table>
<thead>
<tr>
<th>Mon 5/31</th>
<th>Tue 6/1</th>
<th>Wed 6/2</th>
<th>Thu 6/3</th>
<th>Fri 6/4</th>
<th>Sat 6/5</th>
<th>Sun 6/6</th>
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</thead>
<tbody>
<tr>
<td>**80°</td>
<td>57°F**</td>
<td>**83°</td>
<td>62°F**</td>
<td>**83°</td>
<td>65°F**</td>
<td>**80°</td>
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<tr>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Cloudy</td>
<td>Scattered</td>
<td>Scattered</td>
<td>Isolated</td>
<td>Scattered</td>
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- 0 in
- 0 in
- 0.07 in
- 0.73 in
- 0.3 in
- 0.16 in
- 0.22 in
Flight Collection Plan for 31 May 2021

Flyority 1
Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 1 Flight Box
Flight Plan Name: D07_GRSM_R1_P1_P2_v5_PRM_Var_Alt.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L

Flyority 2
Collection Area: Oak Ridge National Laboratory (ORNL)
Flight Plan Name: D07.ORNL_C1_P1_v9_PRM.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L

Flyority 3
Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 2 Flight Box
Flight Plan Name: D07_GRSM_R1_P1_P2_v5_PRM.Var_Alt.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L

Crew: Elissa & Ivana