Payload 1 Daily Flight Report

Date: 2021-06-19
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: 10

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Michael Wussow
Pilots: Justin Eddington, Paul Nunemann

Flight Hours: 00:00
Hours until maintenance: 51.98

Summary
Low clouds scattered across the region prevented flights from occurring today.

Concerns
None

Comments
Pilot Paul Nunemann departs tonight and will be replaced by Pilot Nick Koukoutsakis.

Daily Coverage

Estimated Cloud Cover Key
| Green: 0-10% | Yellow: 11-50% | Red: >50% |

Flight Screenshots
- None

Pictures
- None

Cumulative Domain Coverage

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

| Flown: 19% (13/69) |
Green: 14% (10/69)
Yellow: 4% (3/69)
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: 100% (34/34)
Green: 100% (34/34)
Yellow: 0% (0/34)
Red: 0% (0/34)

D07|N07A (D07 Nominal Runway)

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Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 100% (1/1)

D07|ORNL (Oak Ridge National Laboratory)

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Flown: 100% (61/61)
Green: 38% (23/61)
Yellow: 62% (38/61)
Red: 0% (0/61)

Weather Forecast

Gatlinburg, TN

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<td>85°</td>
<td>71°F</td>
<td>89°</td>
<td>68°F</td>
<td>81°</td>
<td>58°F</td>
<td>81°</td>
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<tr>
<td>Light Rain</td>
<td>Partly Cloudy</td>
<td>Showers</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>PM</td>
<td>Thunderstorms</td>
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<td>0.15 in</td>
<td>0.52 in</td>
<td>0.59 in</td>
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<td>0.42 in</td>
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Oak Ridge, TN
Flight Collection Plan for 20 June 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_highPRF.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L
*only if green conditions exist

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: Cam & Mike