Date: 2021-06-23  
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: 6

Report Author: Cameron Chapman  
Lidar Operators: Cameron Chapman  
Spectrometer Operators: Mitch Haynes  
Pilots: Justin Eddington, Nick Koukoutsakis

Flight Hours: 00:00  
Hours until maintenance: 51.98  
GPS Instruments: 05 - FBO_KAVL, AOP_GRSM

Summary
The morning appeared promising for data collection at GRSM. After arriving at the FBO and preparing the system for flight, IFR / marginal VFR conditions at the airport prevented takeoff. As the crew waited for better departure conditions, Low cumulus clouds developed at our site and continued to build throughout the day. No flight was conducted.

Concerns
None

Comments
-Mitch arrived to D07 yesterday! Welcome Mitch!
-Mike departed D07 this morning. Thanks for all the hardwork Mike!

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)

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

D07 MLBS (Mountain Lake Biological Station)

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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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| 0 in | 0 in | 0 in | 0.1 in | 0.11 in | 0.13 in | 0.26 in |
Flight Collection Plan for 24 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 & Mitch