Payload 1 Daily Flight Report

Date: 2022-09-19
Flight Campaign ID: P1C1
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC
Aircraft: N331AR

Domain: 7 (Appalachians & Cumberland Plateau)
Sites Flown: None
Days left in Domain: 22

Report Author: Cameron
Lidar Operators: Cameron  Flight Hours: 00:00
Spectrometer Operators: Mike  Hours until maintenance: 114.97
Pilots: Justin, Brent

Summary
Another cloudy day over GRSM and MLBS. No flights were conducted.

Concerns
- None

Comments
- Shipped RAIDs 2022_P1C1_18, 2022_P1C1_19 & 2022_P1C1_20 to Denver data center.
- Shipped Flight Disk Set 3 to PIF. This set will be used for Hotel Kit development.
- Backed up data from the Hotel Kit’s D drive to clear up space for data extraction.
- All D14 data has been extracted.
- Pilot Sam will arrive tomorrow and replace Brent.

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)

|   | 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| 35| 36| 37| 38| 39| 40|
| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60|
| 61| 62| 63| 64| 65| 66| 67| 68| 69|

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)

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

D07|MLBS (Mountain Lake Biological Station)

Flown: 0% (0/34)
Green: 0% (0/34)
Yellow: 0% (0/34)
Red: 0% (0/34)

D07|N07A (D07 Nominal Runway)

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

Weather Forecast
Gatlinburg, TN (GRSM)

source: wunderground.com

Pembroke, VA (MLBS)

source: wunderground.com
Flight Collection Plan for 20 September 2022

Flyority 1
Collection Area: Mountain Lake Biological Station (MLBS)
Flight Plan Name: D07_MLBS_R1_P1_v6_PRM.xml
40° On-station Time: 15:00 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: Mike (Lidar), Cam (NIS)