Date: 2022-09-15
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: 26

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

Summary
The pumping and cooling process finished this morning and the payload is now ready for data collection. Dense fog in the morning gave way to low cumulus clouds over GRSM in the afternoon. MLBS was covered by a high cirrus / smoke layer throughout much of the day. No flights were conducted.

Concerns
- None

Comments
- Deployed GPS 4 at the FBO today
- Still catching up on D14 data extractions.
- Pilot Steven departs in the morning – Brent is his replacement.

Daily Coverage
Estimated Cloud Cover Key

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<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage
D07/GRSM_P1 (Great Smoky Mountains National Park Priority 1)

| Flown: 0% (0/69) | Green: 0% (0/69) | Yellow: 0% (0/69) | Red: 0% (0/69) | 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 | 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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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 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Flown: 0% (0/34) | Green: 0% (0/34) | Yellow: 0% (0/34) | Red: 0% (0/34) |

D07 | N07A (D07 Nominal Runway)

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Weather Forecast
Gatlinburg, TN (GRSM)

Pembroke, VA (MLBS)
Flight Collection Plan for 16 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: 14:40 UTC / 10:40L

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: 14:50 UTC / 10:50L

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)