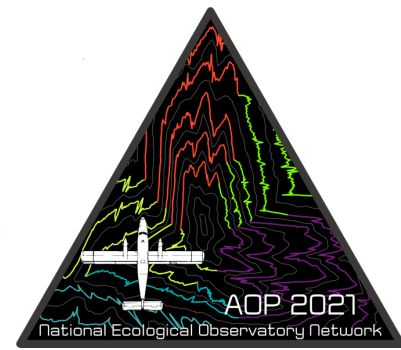




Payload 1 Daily Flight Report



Date: 2021-05-14
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: 47

Report Author: Ivana Vu
Lidar Operators: Ivana Vu
Spectrometer Operators: Elissa Barris
Pilots: Justin Eddington, Will Mathews
Flight Hours: 00:00
Hours until maintenance: 83.38
GPS Instruments: None

Summary

Low clouds developed early in the Smokies today and an overcast cloud layer in Asheville prevented us from taking off.

Concerns

None

Comments

None

Cumulative Domain Coverage

Estimated Cloud Cover Key

| | | |
|--------|---------|------|
| Green: | Yellow: | Red: |
| 0-10% | 11-50% | >50% |

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)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

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

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 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | | | | | | |

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

D07 | N07A (D07 Nominal Runway)

| |
|---|
| 1 |
|---|

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

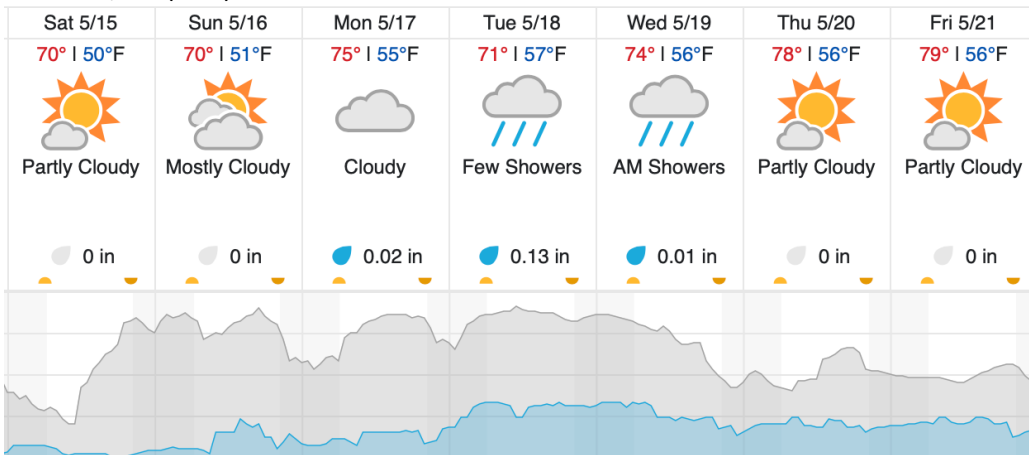
D07 | ORNL (Oak Ridge National Laboratory)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | | | | | | | | | | | | | | | | | | | |

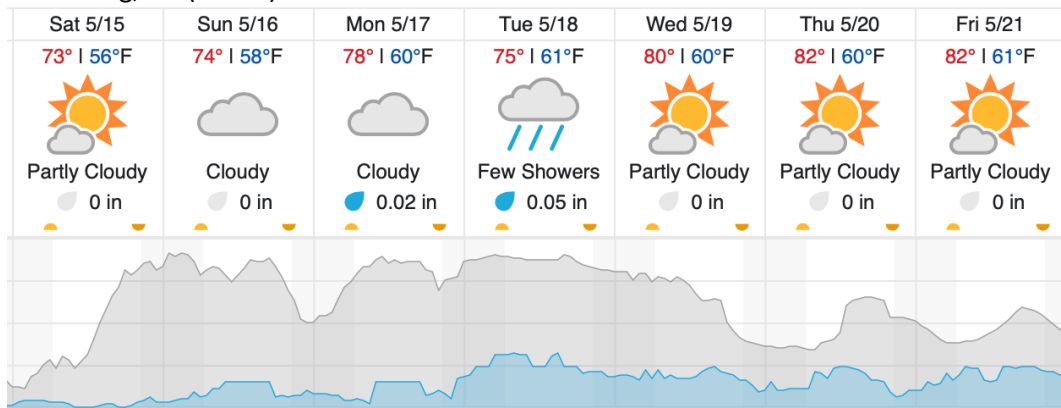
Flown: 0% (0/61)
 Green: 0% (0/61)
 Yellow: 0% (0/61)
 Red: 0% (0/61)

Weather Forecast

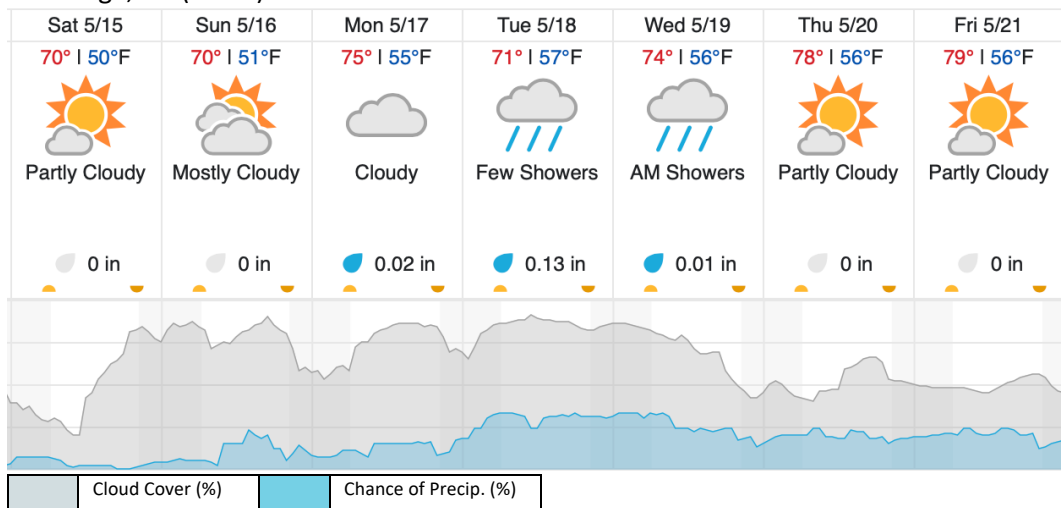
Asheville, NC (FBO)



Gatlinburg, TN (GRSM)



Oak Ridge, TN (ORNL)



source: wunderground.com

Flight Collection Plan for 15 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