



Payload 2 Daily Flight Report

**Date:** 2026-05-24  
**Flight Campaign ID:** P2C1  
**Airport, FBO ID, City:** Asheville Regional Airport (KAVL) - Fletcher, NC; -  
**Aircraft:** N821AR

**Domain:** 07 (Appalachians & Cumberland Plateau)  
**Sites Flown:** None  
**Days left in Domain:** 40

**Report Author:** Mike  
**Lidar Operators:** Mike                      **Flight Hours:** 00:00  
**Spectrometer Operators:** Cameron   **Hours until maintenance:** 41.03  
**Pilots:** Justin, Rusty

**Summary**

Clouds and rain persisted today, leaving no opportunities for becoming airborne.

**Concerns**

- None

**Comments**

- None

**Daily Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

**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)

\* Flown within 35deg solar angle

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)

\* Flown within 35deg solar angle

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)

\* Flown within 35deg solar angle

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)

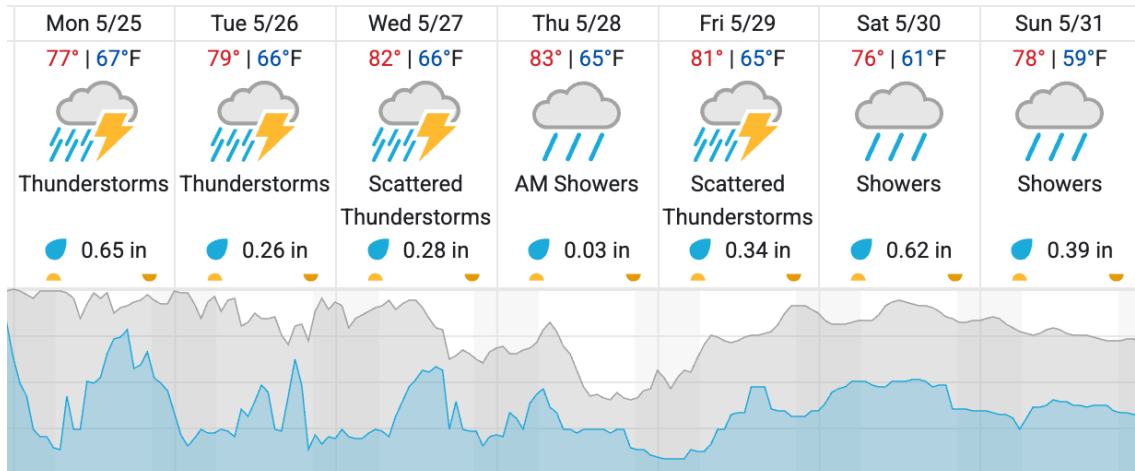
Yellow: 0% (0/61)

Red: 0% (0/61)

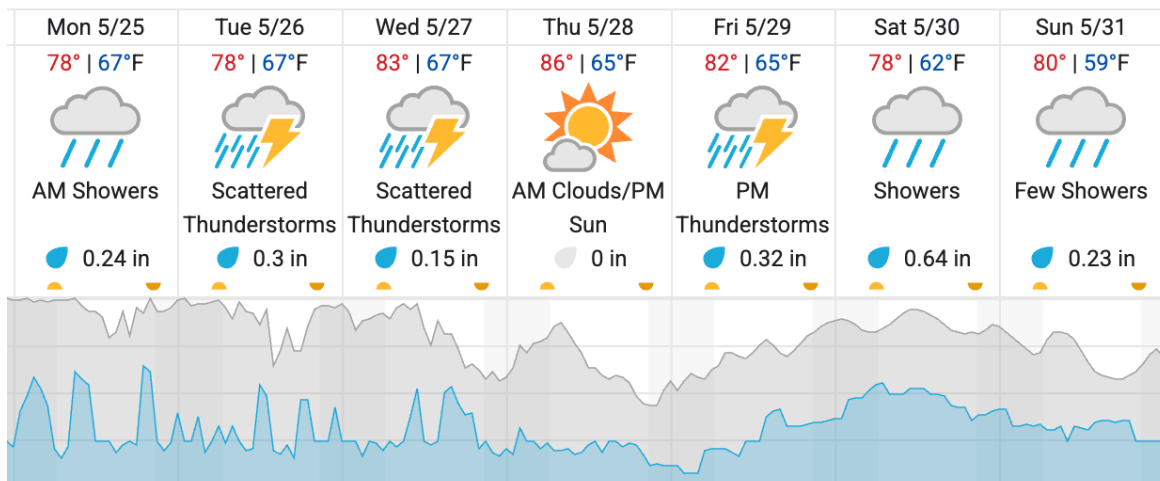
\* Flown within 35deg solar angle

**Weather Forecast**

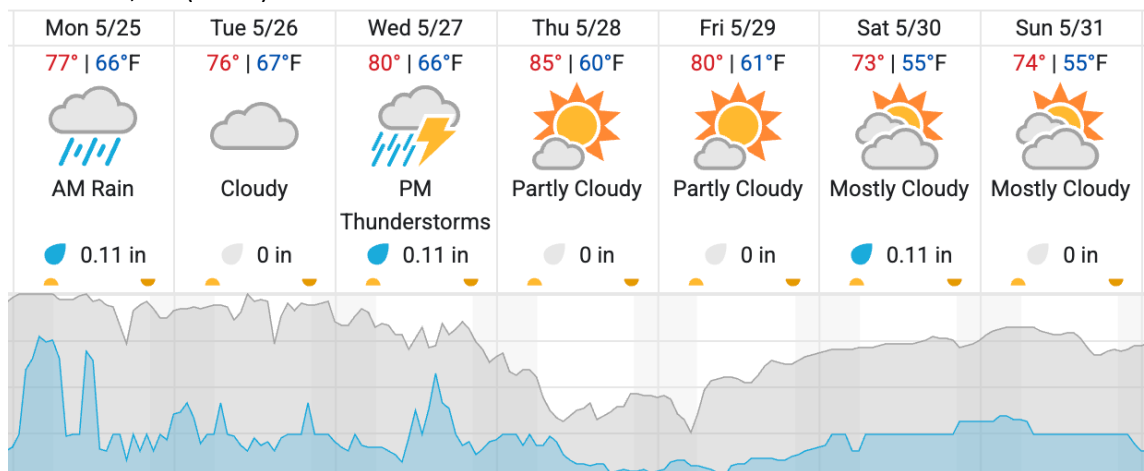
Gatlinburg, TN (GRSM)



Oak Ridge, TN (ORNL)



Pembroke, VA (MLBS)



source: wunderground.com

**Flight Collection Plan for May 25, 2026**

**Flyority 1**

Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 1 Flight Box

Flight Plan Name: D07\_D07\_GRSM\_R1\_P1\_v6\_VarAlt\_VQ780

40° On-station Time: 14:00 UTC /10:00L

**Flyority 2**

Collection Area: Oak Ridge National Laboratory (ORNL)

Flight Plan Name: D07\_ORNL\_C1\_P1\_v11\_west\_VQ780 (lines 1-37, 60) / D07\_ORNL\_C1\_P1\_v11\_east\_VQ780 (lines 38-59, 61)

40° On-station Time: 14:00 UTC / 10:00L

**Flyority 3 – *Not to attempt before 6/6***

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07\_MLBS\_R1\_P1\_v8\_VQ780

40° On-station Time: 13:50 UTC /09:50L

**Flyority 4**

Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 2 Flight Box

Flight Plan Name: D07\_D07\_GRSM\_R1\_P2\_v6\_VarAlt\_VQ780

40° On-station Time: 14:00 UTC /10:00L

Crew: Cameron (Lidar), Mike (NIS)