



## Payload 2 Daily Flight Report



**Date:** 2026-06-27

**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:** 6

**Report Author:** Alyssa

**Lidar Operators:** Alyssa

**Flight Hours:** 00:00

**Spectrometer Operators:** Elissa **Hours until maintenance:** 125.00

**Pilots:** Justin, Jonathon

### Summary

A cloudy morning turned into a rainy afternoon. No flights were attempted. Crew took this opportunity to scope out Macon County Airport as a potential future FBO.

### Concerns

None.

### Comments

Macon County Airport does not have hangar space, but does have 2 different outlets that we could run the monster cable from. We would have to run the cable across the taxiway, so it is likely we'd have to move the plane often.

### Pictures

Macon County Airport



## Cumulative Domain Coverage

### Estimated Cloud Cover Key

Green: 0-10%	Yellow: 11-50%	Red: >50%
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Solar Angle Less Than 40 degrees: (\*)

#### 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: 100% (69/69)

Green: 62% (43/69)

Yellow: 14% (10/69)

Red: 23% (16/69)

\* 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
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Flown: 100% (20/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 100% (20/20)

\* 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: 77% (47/61)

Green: 28% (17/61)

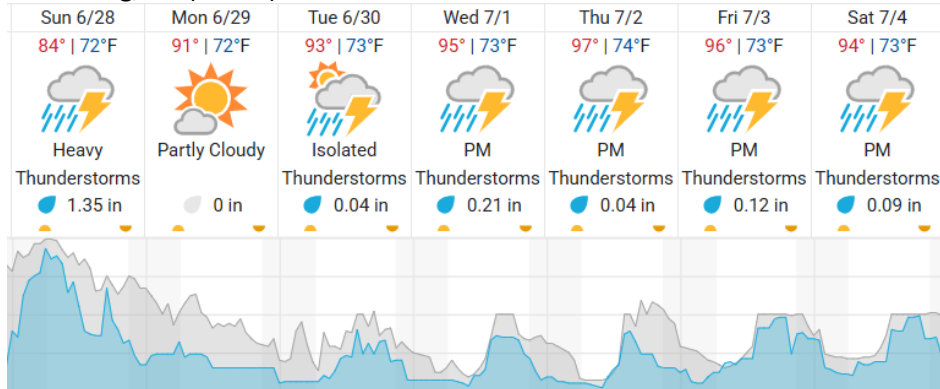
Yellow: 5% (3/61)

Red: 44% (27/61)

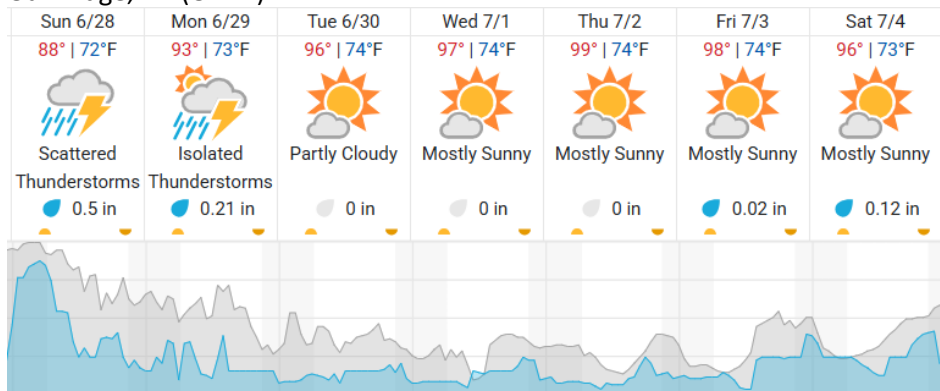
\* Flown within 35deg solar angle

## Weather Forecast

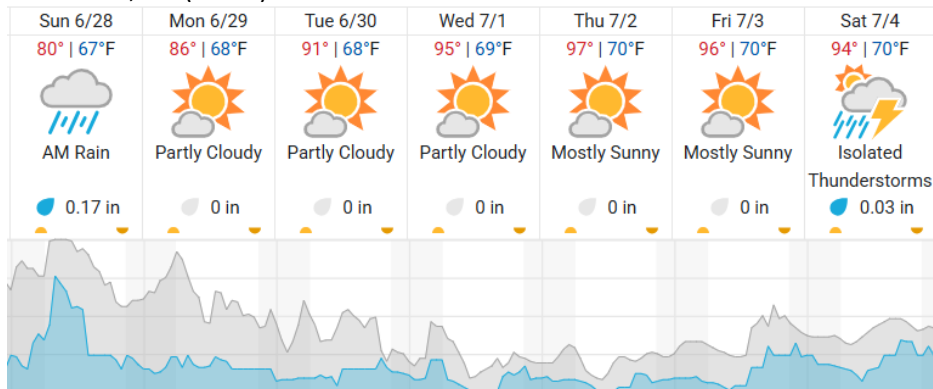
### Gatlinburg, TN (GRSM)



### Oak Ridge, TN (ORNL)



### Pembroke, VA (MLBS)



Cloud Cover (%)

Chance of Precip. (%)

source: wunderground.com

## Flight Collection Plan for 28 June 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

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

Flyority 3

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:** Elissa (Lidar), Alyssa (NIS)