



Payload 2 Daily Flight Report

**Date:** 2026-05-30  
**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:** 34

**Report Author:** Cameron  
**Lidar Operators:** Cameron      **Flight Hours:** 00:00  
**Spectrometer Operators:** Mike      **Hours until maintenance:** 38.02  
**Pilots:** Justin, Rusty

**Summary**

A mix of low clouds and rain showers kept the aircraft grounded today. No flights were conducted.

**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**

D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

\* Flown within 35deg solar angle

D00|H10C (NEON Headquarters Lidar Test - Riegl)

1	2	3	4
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Flown: 0% (0/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

\* Flown within 35deg solar angle

D00|N10D (Nominal Runway at KBDU - Riegl VQ780\_II S)

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
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Flown: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

\* Flown within 35deg solar angle

#### D00|O10B (NIS Offset - Riegl)

1	2
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Flown: 0% (0/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

\* Flown within 35deg solar angle

#### D00|R10C (Table Mountain Radiometric Calibration - Riegl)

1	2	3	4	5
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Flown: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

\* Flown within 35deg solar angle

#### D00|R10D (Boulder Airport Radiometric Calibration)

1	2	3	4	5
---	---	---	---	---

Flown: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

\* Flown within 35deg solar angle

#### D00|V10C (Boulder City South Nominal Science Flight)

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												

Flown: 0% (0/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 0% (0/29)

\* Flown within 35deg solar angle

#### D00|W10C (Wiggle Timing Test - Riegl)

1	2
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Flown: 0% (0/2)

Green: 0% (0/2)

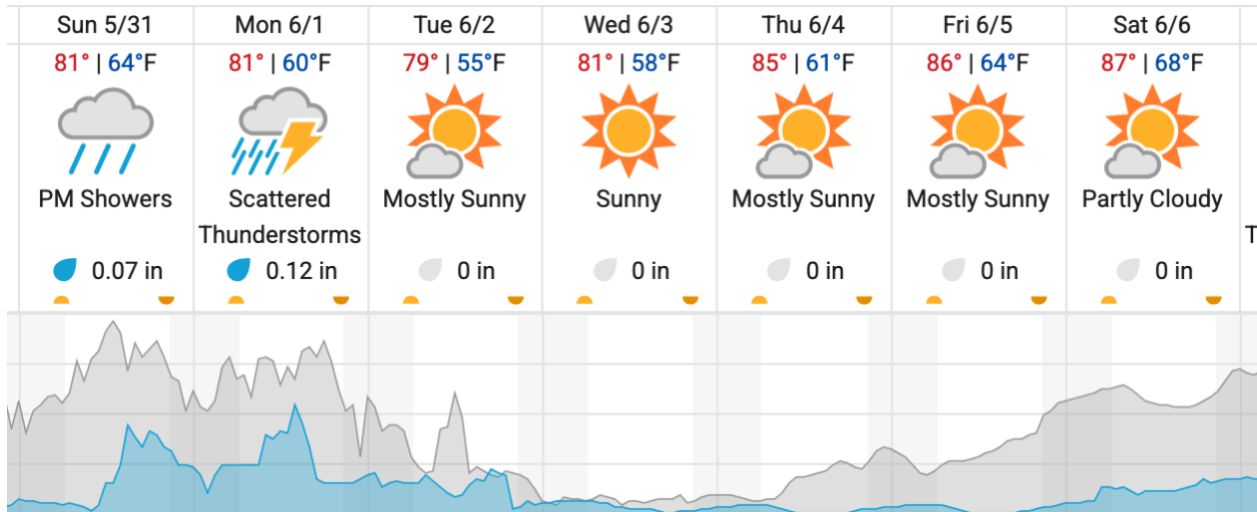
Yellow: 0% (0/2)

Red: 0% (0/2)

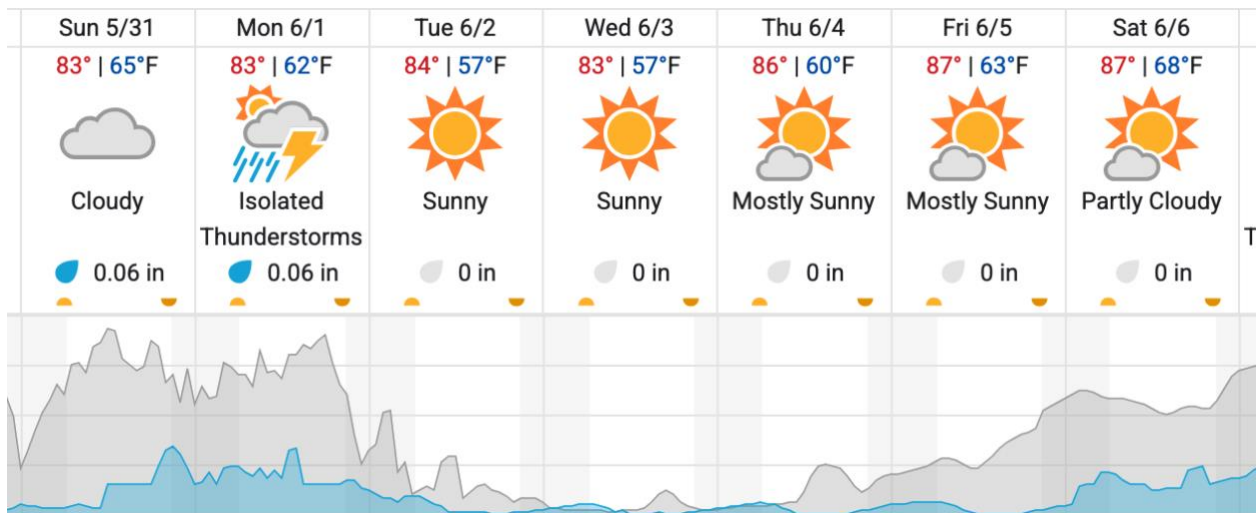
\* Flown within 35deg solar angle

## Weather Forecast

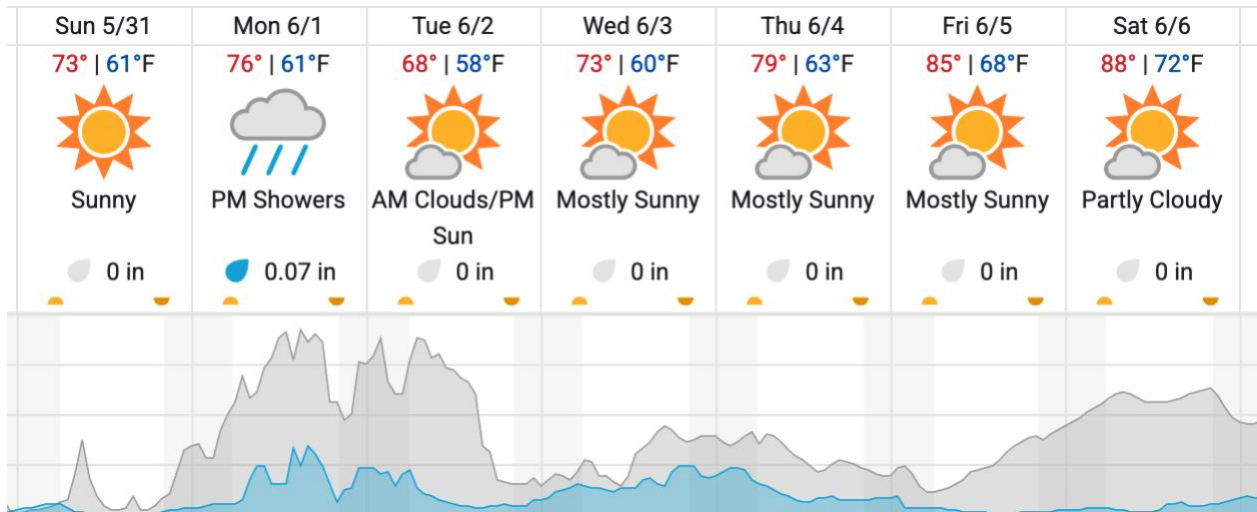
Gatlinburg, TN (GRSM)



Oak Ridge, TN (ORNL)



Pembroke, VA (MLBS)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

## Flight Collection Plan for May 31, 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 (*lines 38-56, only if green*)

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 – *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: Mike (Lidar), Cameron (NIS)