

## Payload 3 Daily Flight Report

**Date:** 2025-06-04

**Flight Campaign ID:** P3C1

**Airport, FBO ID, City:** Winchester Regional Airport (KOKV) - Winchester, VA

**Aircraft:** N821AR

**Domain:** 02 (Mid-Atlantic)

**Sites Flown:** None

**Days left in Domain:** 11

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Elissa

**Hours until maintenance:** 81.67

**Pilots:** Justin, Rob

### **Summary**

Canadian wildfire smoke continued to feed into the Mid-Atlantic region, creating a strong haze that eliminated any possibility of a green collect on an otherwise mostly cloud free day.

### **Concerns**

Lidar data from yesterday's flight over SCBI failed to extract properly. Andrew believes the likely cause to be a failed hard drive from the disk set. The disk set in question (#7) will be removed from rotation and shipped back to Boulder for further inspection from Andrew. The lines from this flight (SCBI 2-8 & 26-32) will be re-flown as our lowest priority.

### **Comments**

Conducted a payload tour with members of the D02 staff. Photo below.



## Cumulative Domain Coverage

### D02 | BLAN (Blandy Experimental Farm)

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								

Flown: 100% (32/32)

Green: 100% (32/32)

Yellow: 0% (0/32)

Red: 0% (0/32)

\* Flown within 35deg solar angle

### D02 | SCBI (Smithsonian Conservation Biology Institute)

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									

Flown: 45% (14/31)

Green: 0% (0/31)

Yellow: 0% (0/31)

Red: 45% (14/31)

\* Flown within 35deg solar angle

### D02 | SERC (Smithsonian Ecological Research Center)

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															

Flown: 0% (0/25)

Green: 0% (0/25)

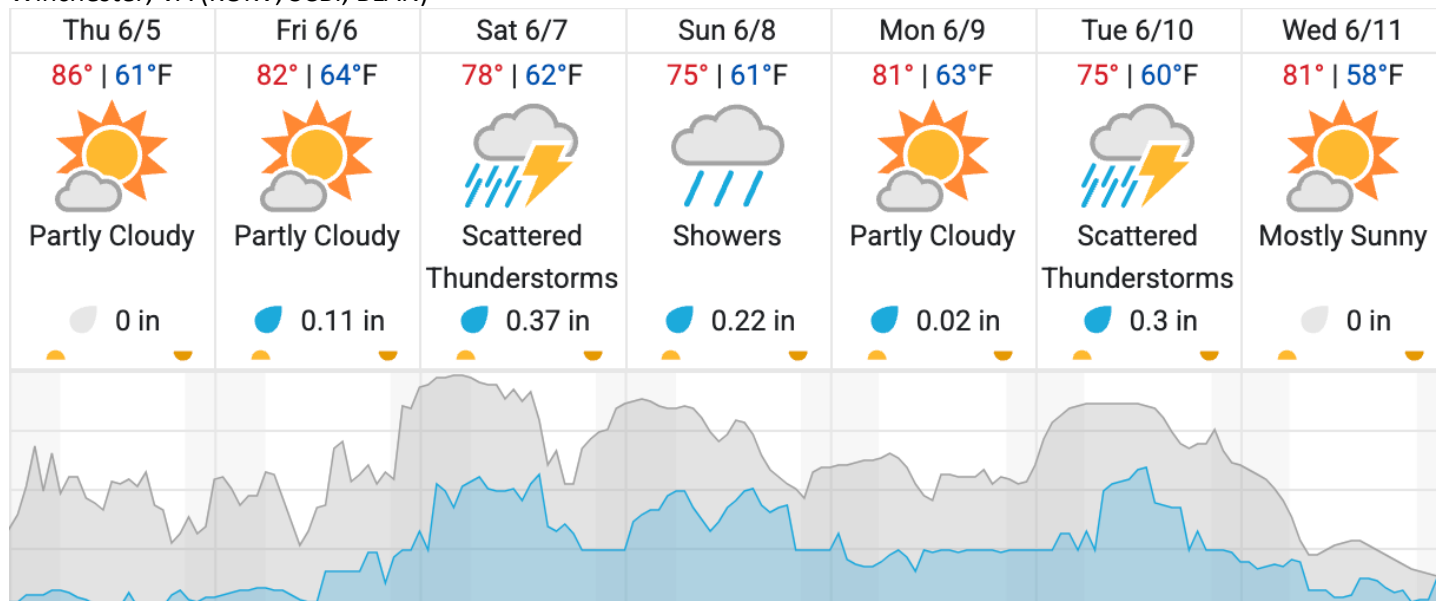
Yellow: 0% (0/25)

Red: 0% (0/25)

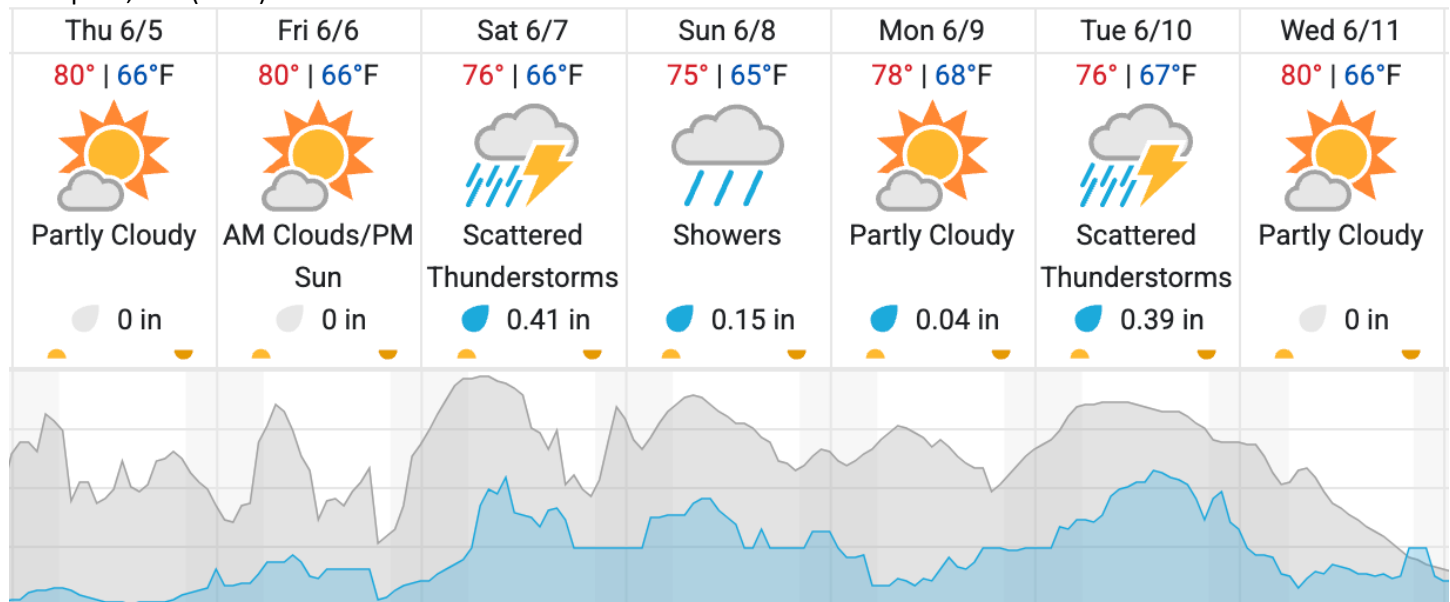
\* Flown within 35deg solar angle

## Weather Forecast

### Winchester, VA (KOKV, SCBI, BLAN)



# Annapolis, MD (SERC)



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

## Flight Collection Plan for 5 June 2025

### Flyority 1

Collection Area: Smithsonian Conservation Biology Institute (SCBI) – *lines 9-25*

Flight Plan Name: D02\_SCBI\_C1\_P1\_v1\_Q780

On-Station Time: 1330 UTC / 0930 L

### Flyority 2

Collection Area: Smithsonian Ecological Research Center (SERC)

Flight Plan Name: D02\_SERC\_R1\_P1\_v2\_Q780

On-Station Time: 1330 UTC / 0930 L

### Flyority 3

Collection Area: Smithsonian Conservation Biology Institute (SCBI) – *re-fly lines 2-8 & 26-32*

Flight Plan Name: D02\_SCBI\_C1\_P1\_v1\_Q780

On-Station Time: 1330 UTC / 0930 L

**Crew:** Elissa (Lidar), Mitch (NIS)