



## Payload 3 Daily Flight Report

**Date:** 2025-05-29

**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:** 17

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Elissa

**Hours until maintenance:** 87.00

**Pilots:** Justin, Rob

### Summary

Rain finally ceased overnight. Low fog this morning with overcast conditions gradually gave way to scattered clouds by late afternoon. Conditions never approached optimal state and thus no flights occurred. Another round of precipitation associated with a front and weak surface low pressure system is expected to impact the region this weekend, however current forecasts suggest a period of drier, and hopefully more cloud free, conditions next week.

### Concerns

None

### Comments

Two new power modules arrived today from Boulder for our precious GPU, in order to troubleshoot our NIS non-ECS power drain issue. The plan for tomorrow will be to tow the aircraft out of the hangar and first attempt to replicate the issue while using the FBO's gas GPU for ground power. If the issue is not replicable on the gas GPU, the issue will be isolated to our own ground power from Precious, and the new power modules will be installed to see if this solves the issue. If the issue IS replicable on the FBO's gas GPU, we will reach out to the lab for further guidance.

### 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: 0% (0/32)

Green: 0% (0/32)

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: 0% (0/31)

Green: 0% (0/31)

Yellow: 0% (0/31)

Red: 0% (0/31)

\* Flown within 35deg solar angle

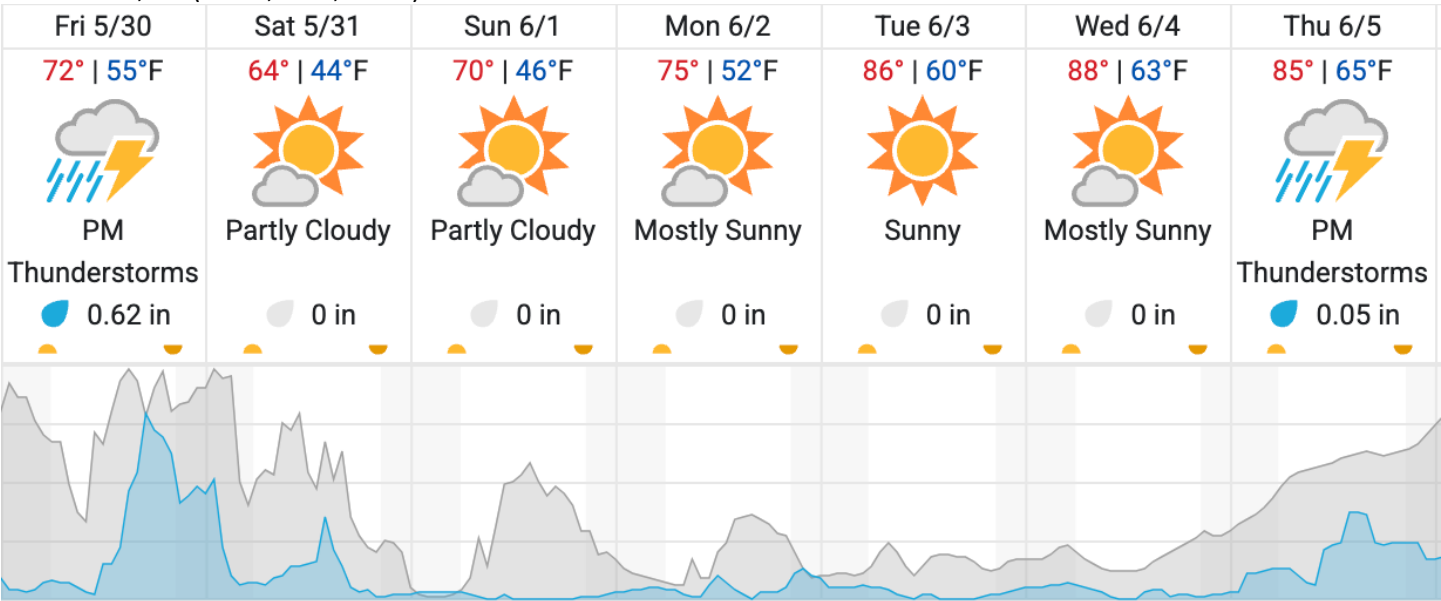
D02 | SERC (Smithsonian Ecological Research Center)

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															

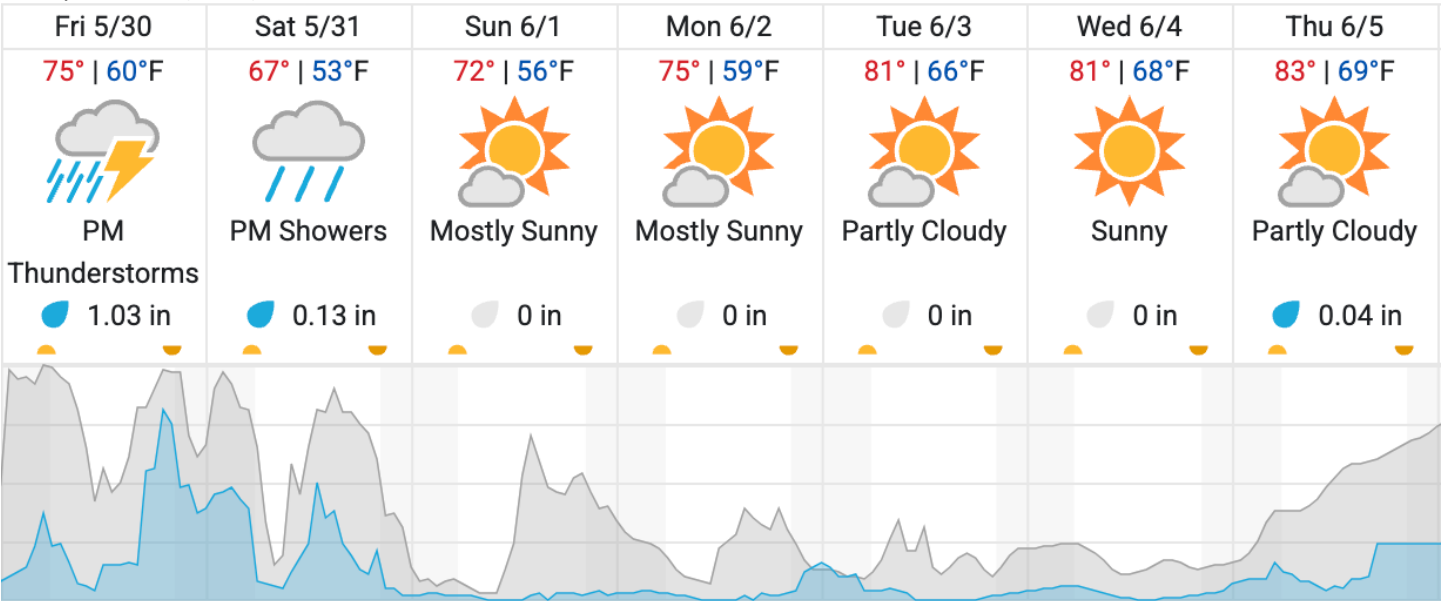
Flown: 0% (0/25)  
Green: 0% (0/25)  
Yellow: 0% (0/25)  
Red: 0% (0/25)  
\* Flown within 35deg solar angle

Weather Forecast

Winchester, VA (KOKV, SCBI, BLAN)



Annapolis, MD (SERC)



Cloud Cover (%)	Chance of Precip. (%)
-----------------	-----------------------

source: wunderground.com

Collection Area: Blandy Experimental Farm (BLAN)  
Flight Plan Name: D02\_BLAN\_R2\_P1\_v3\_Q780  
On-Station Time: 1340 UTC / 0940 L

Flyority 2

Collection Area: Smithsonian Conservation Biology Institute (SCBI)  
Flight Plan Name: D02\_SCBI\_C1\_P1\_v1\_Q780  
On-Station Time: 1340 UTC / 0940 L

Flyority 3

Collection Area: Smithsonian Ecological Research Center (SERC)  
Flight Plan Name: D02\_SERC\_R1\_P1\_v2\_Q780  
On-Station Time: 1330 UTC / 0930 L

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