



Payload 3 Daily Flight Report



Date: 2025-05-28

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: 18

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Mitch **Hours until maintenance:** 87.00

Pilots: Justin, Rob

Summary

It rained all day across D02 today, preventing any flights from occurring. The mercury lamp test was completed.

Concerns

None.

Comments

The mercury lamp collection served as another chance to test the operation of the NIS on the GPU. With a slow start up and no lidar running, the AXE was able to support the NIS on GPU power with only two brief moments of battery drainage - one when Non-ECS switch one was turned on, and another when the DCC was turned on. In both cases the UPS's quickly recovered and began charging again.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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)

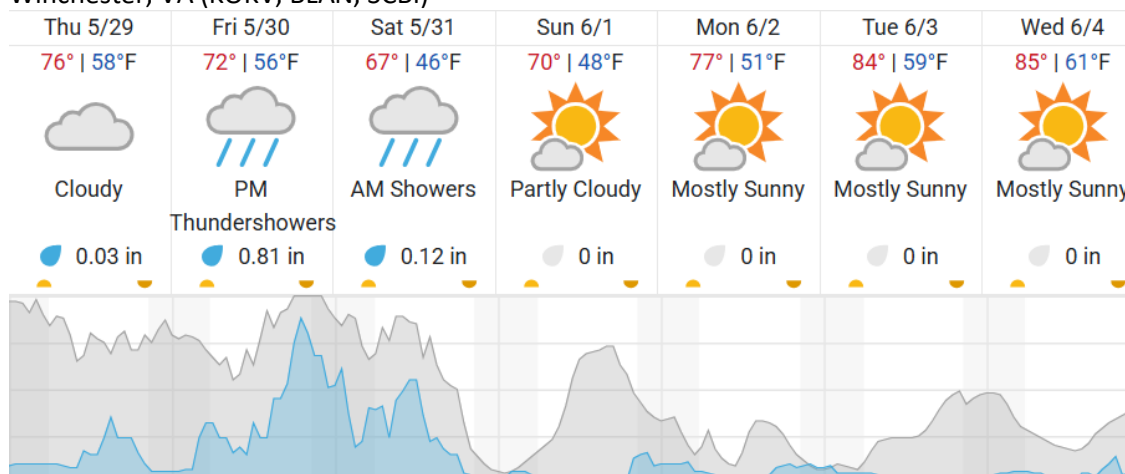
Yellow: 0% (0/25)

Red: 0% (0/25)

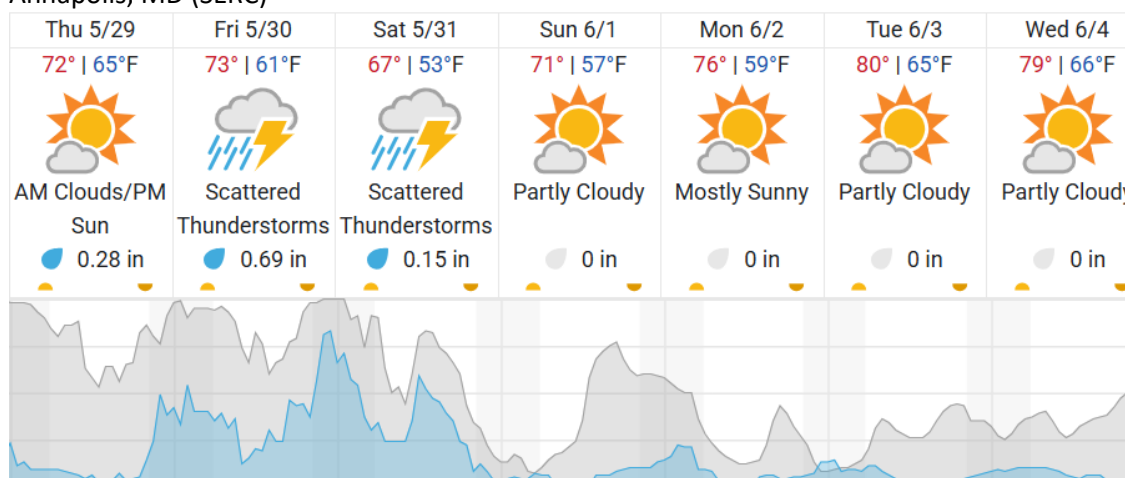
* Flown within 35deg solar angle

Weather Forecast

Winchester, VA (KOKV, BLAN, SCBI)



Annapolis, MD (SERC)



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

Flight Collection Plan for 29 May 2025

Flyority 1

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: Mitch (Lidar), Elissa (NIS)