



Payload 2 Daily Flight Report

Date: 2026-08-01

Flight Campaign ID: P2C1

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

Aircraft: N821AR

Domain: 02 (Mid-Atlantic), 07 (Appalachians & Cumberland Plateau)

Sites Flown: None

Days left in Domain: 8

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: Cameron **Hours until maintenance:** 97.13

Pilots: Justin, Landon

Ground Crew: Alyssa

Summary

Overcast conditions throughout the region and low clouds visible in our tower cam at MLBS prevented any further collections from occurring.

Concerns

None

Comments

The Winchester Airport had a short power outage last night. The borrowed GPU that we are using did not automatically turn back on after power had been restored, and required a power cycling to provide power back to our payload. The system was pumped back down and re-cooled overnight as a precautionary measure, and is back within spec with no potential impacts to flights.

Cumulative Domain Coverage

D02 | BLAN (Bland Experimental Farm)

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							

Flown: 100% (33/33)

Green: 91% (30/33)

Yellow: 0% (0/33)

Red: 9% (3/33)

* Flown within 35deg solar angle

D02 | SCBI (Smithsonian Conservation Biology Institute)

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								

Flown: 100% (32/32)

Green: 56% (18/32)

Yellow: 44% (14/32)

Red: 0% (0/32)

* Flown within 35deg solar angle

D02 | SERC (Smithsonian Ecological Research Center)

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														

Flown: 100% (26/26)

Green: 0% (0/26)

Yellow: 100% (26/26)

Red: 0% (0/26)

* 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: 50% (17/34)

Green: 0% (0/34)

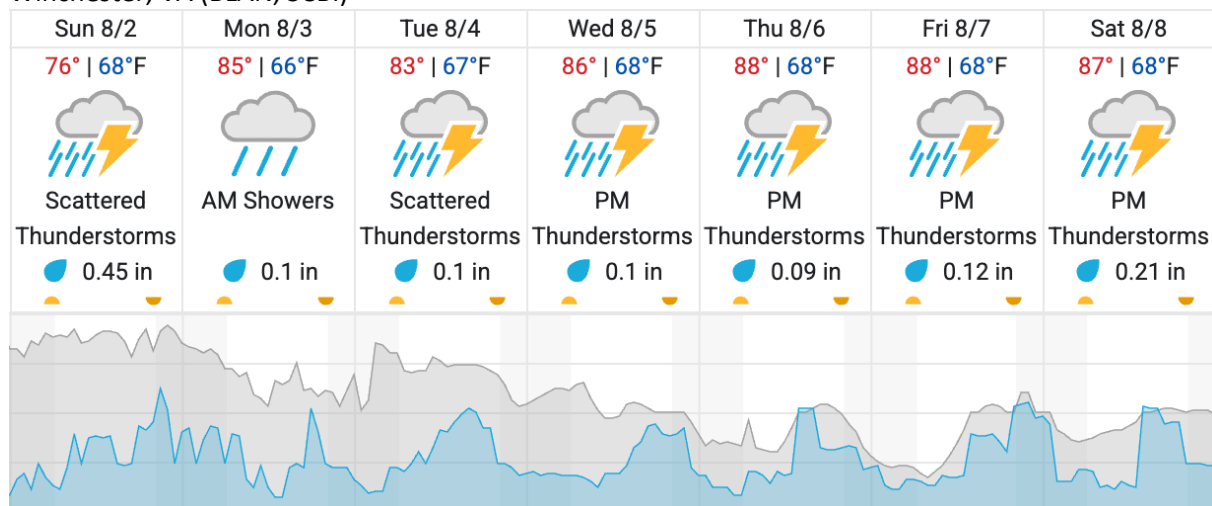
Yellow: 0% (0/34)

Red: 50% (17/34)

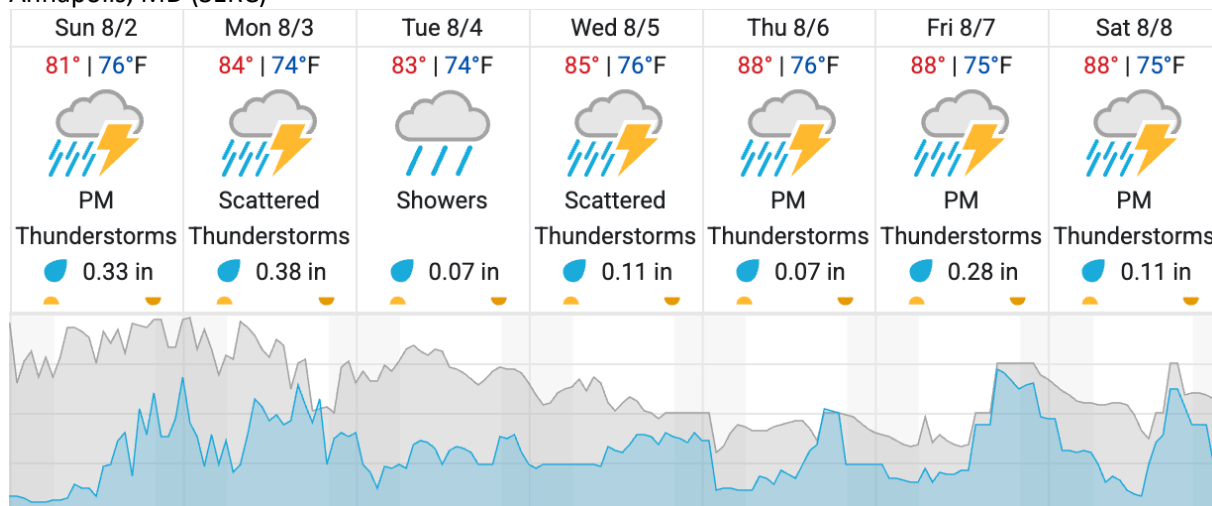
* Flown within 35deg solar angle

Weather Forecast

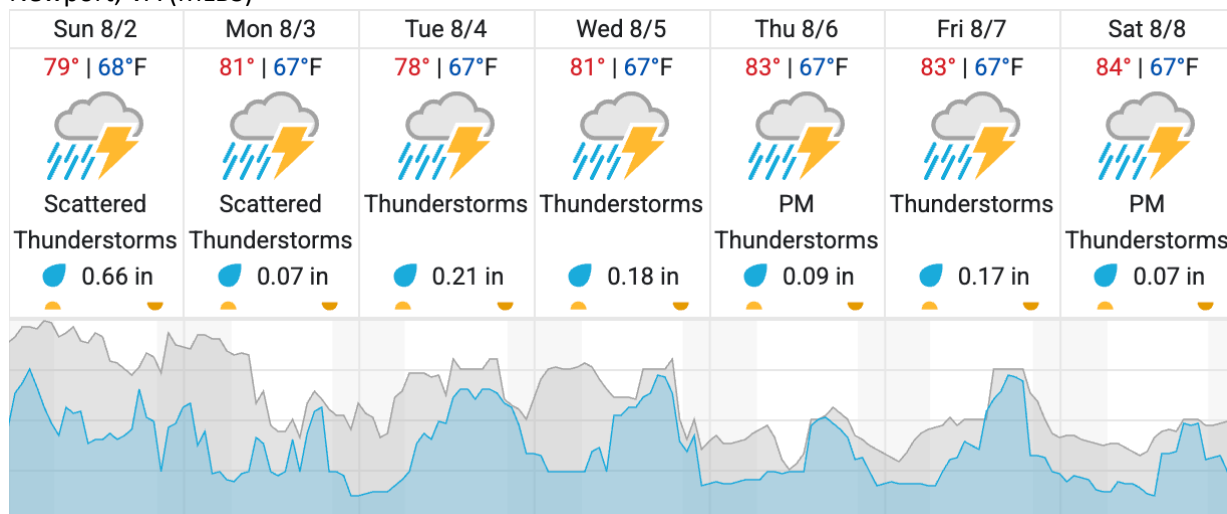
Winchester, VA (BLAN, SCBI)



Annapolis, MD (SERC)



Newport, VA (MLBS)



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

Flight Collection Plan for 29 July 2026

Flyority 1

Collection Area: Smithsonian Ecological Research Center (SERC) – *Only if green*

Flight Plan Name: D07_SERC_R1_P1_v3_VQ780

40° On-station Time: 13:50 UTC / 09:50 L

Flyority 2

Collection Area: Smithsonian Conservation Biology Institute (SCBI) – *Only if green*

Flight Plan Name: D02_SCBI_C1_P1_v3_VQ780

40° On-station Time: 13:50 UTC / 09:50 L

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 / 09:50 L

Flyority 4

Collection Area: Blandy Experimental Farm (BLAN)

Flight Plan Name: D02_BLAN_R2_P1_v4_VQ780

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

Crew: Cam (Lidar), Alyssa (NIS)