



Payload 2 Daily Flight Report



Date: 2026-07-24

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: 16

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: John

Hours until maintenance: 102.93

Pilots: Justin, Skylar

Summary

The crew was hopeful for another successful green collection day, but woke to widespread high cirrus clouds across much of Virginia. SERC initially appeared to be clear, however the cirrus layer gradually advanced into the region from the west after the team mobilized to the airport for pre-flight preparations. Once settled in, conditions never cleared up sufficiently enough for a green up flight to occur.

Concerns

None

Comments

Permanent AOP GPS station at SCBI confirmed to be down for the rest of the 2026 deployment with a fried UPS at the DFIR that it's mounted at. Alternative GPS solutions will need to be used for SCBI collected data this year.

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: 91% (30/33)

Green: 91% (30/33)

Yellow: 0% (0/33)

Red: 0% (0/33)

* 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)

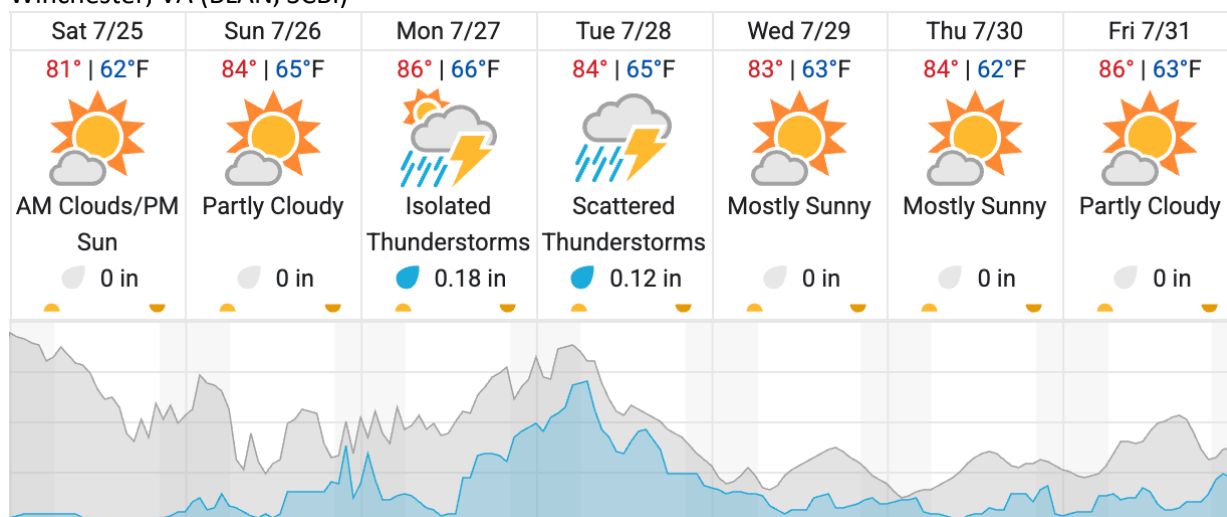
Yellow: 0% (0/34)

Red: 50% (17/34)

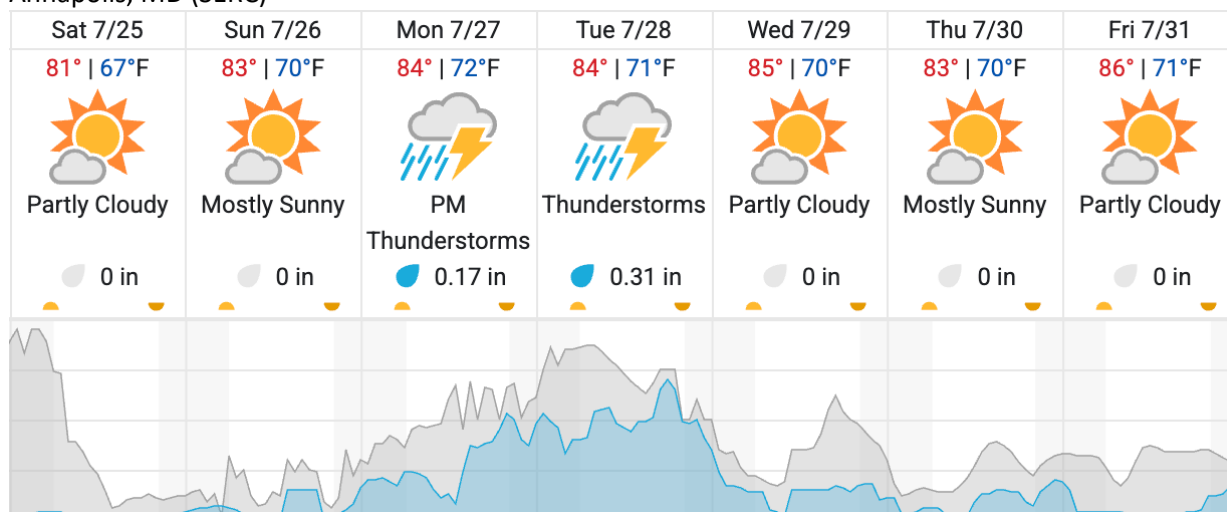
* Flown within 35deg solar angle

Weather Forecast

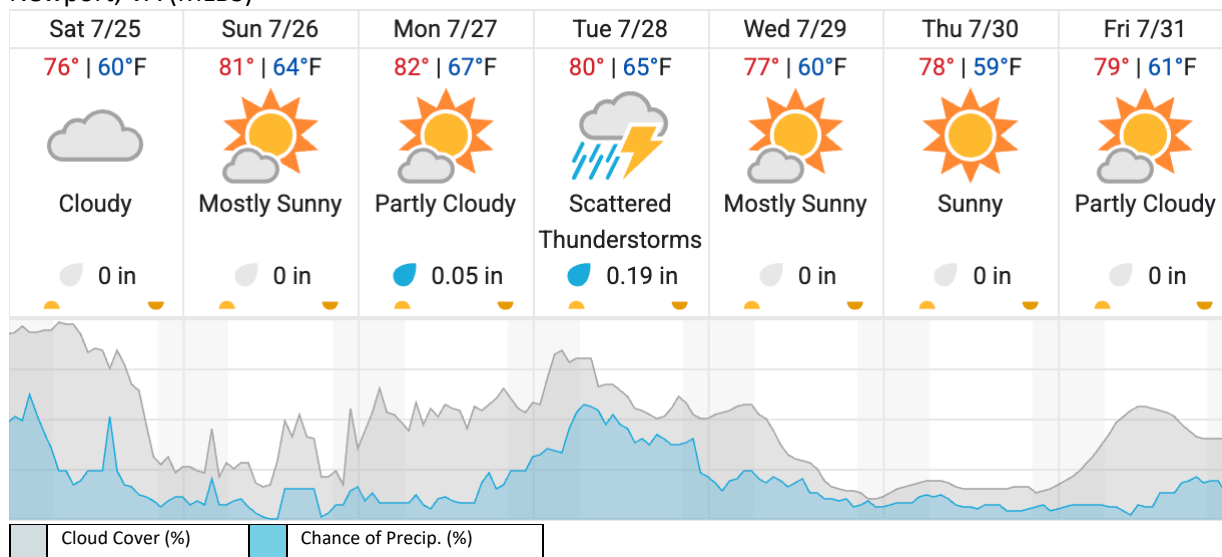
Winchester, VA (BLAN, SCBI)



Annapolis, MD (SERC)



Newport, VA (MLBS)



source: wunderground.com

Flight Collection Plan for 25 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: 13:40 UTC / 09:40 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: John (Lidar), Mitch (NIS)