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8-1-2023

2023 August - Tennessee Monthly Climate Report

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August 2023 Tennessee State Climate Summary

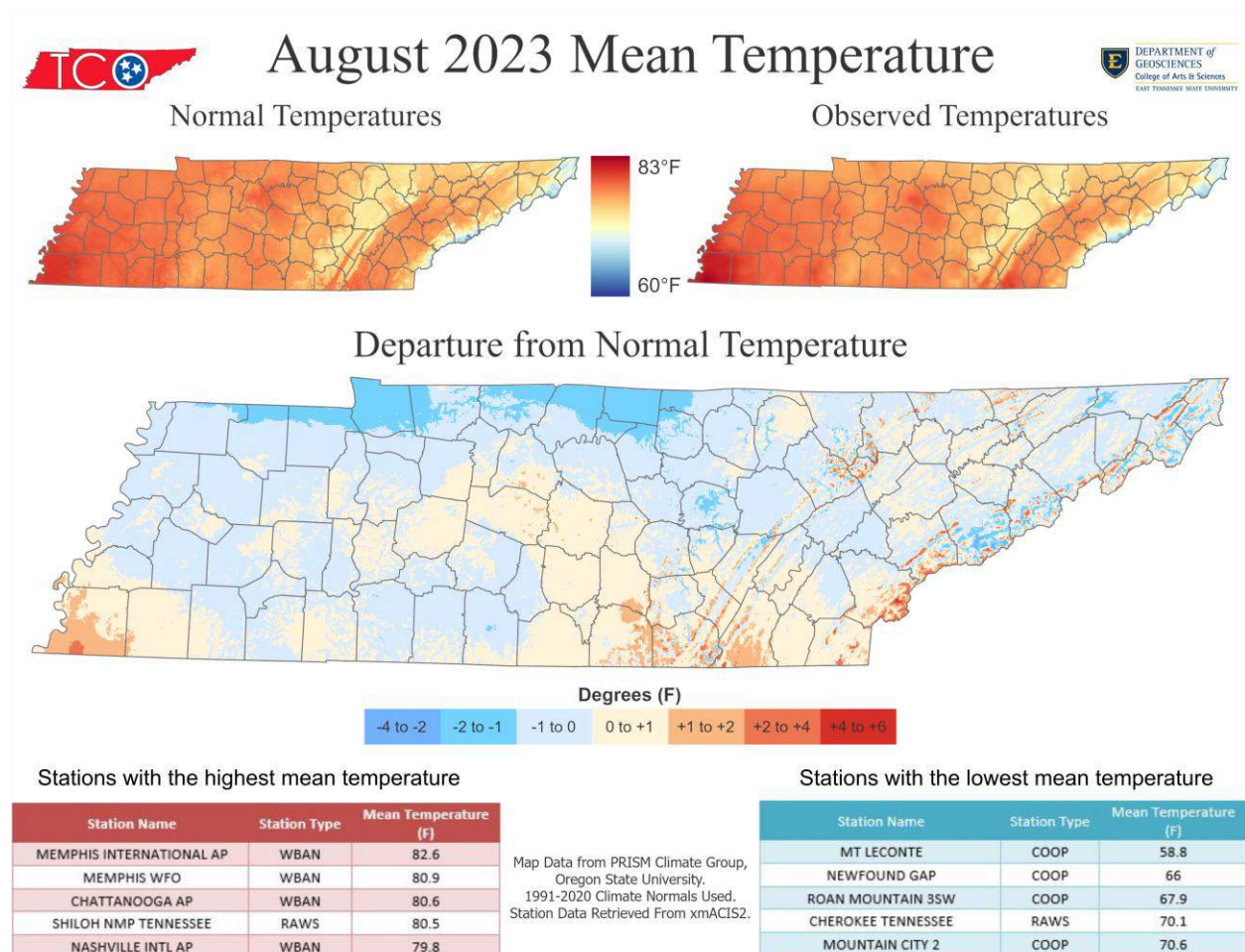
Tennessee Climate Office * East Tennessee State University

Prepared by William Tollefson and Dr. Andrew Joyner

With contributions by [Climate Data Representatives](#) across the state

Monthly Temperature Summary:

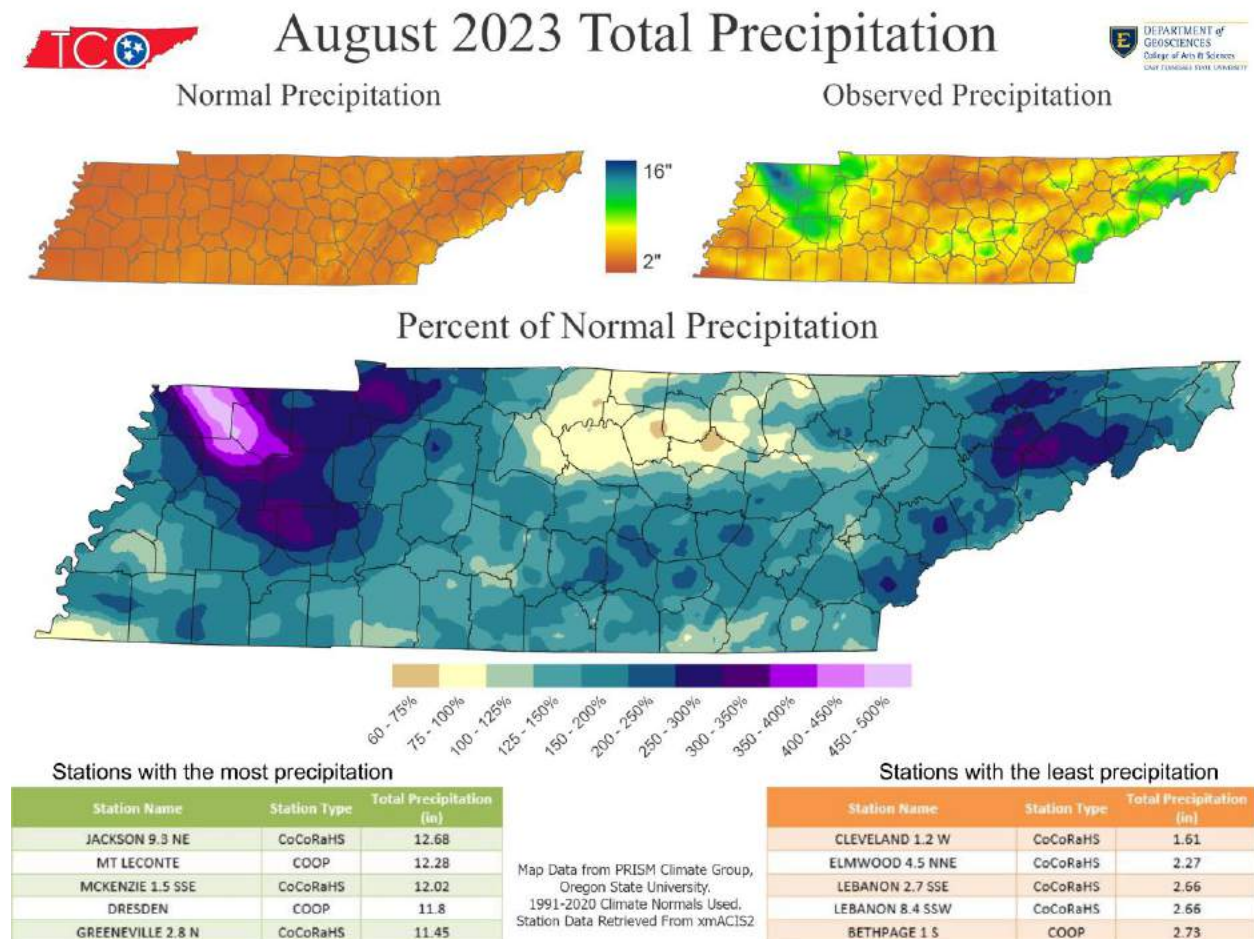
Mean temperatures for August 2023 averaged close to normal across Tennessee, with many areas of the state within 1°F of the 30-year climate normals. Despite the close to normal averages there were several major temperature swings during the month. There were 12 broken and 10 tied daily high temperature records. The Newfound Gap COOP station tied their monthly high temperature record of 85°F on August 24th, with the previous record set in 2007. The Mt. LeConte COOP station broke its monthly August high temperature with a high of 82°F on August 7th, beating the previous record set in 1998. This high temperature also tied the all-time highest recorded temperature at Mt. LeConte, which was previously recorded on July 1, 2012! In addition to high temperature records, there were also 49 broken and 56 tied daily records for warmest low temperatures set this month, with 10 of the broken records set at stations that have at least a 100-year weather history. On the cool side of the record books there were 9 broken and 1 tied daily low temperature records set this month, with 3 of those records set at stations with at least a 100-year history. Additionally, there were 31 broken and 14 tied daily records for coolest high temperatures, with 9 of those broken records at stations with at least a 100-year history.



Monthly Precipitation Summary:

Total precipitation for the month of August 2023 was higher than the 30-year climate normals across almost all areas of the state, with the exception of northern portions of Middle Tennessee which reported drier than normal conditions this month. The northwest and northeast regions of the state reported the most above normal conditions, with flooding rains impacting those regions during August. In the northwest corner of the state there was a swath of rainfall totals that was over 400% of normal, with part of Obion County recording 450-500% of their normal August rainfall, with most of that coming in just one day! Union City reported 11.49" of rain on August 4, and severe flash flooding occurred throughout northwest Tennessee and far western Kentucky. The rainy pattern continued in the second week of the month with 2-4" of rain common through most areas of the state, including the already soaked northwest corner of the state. This week also brought heavy rains to the counties along the eastern border of the state, with 5-8" of rain reported from Monroe to Cocke counties. Then much drier conditions prevailed in the second half of the month, with virtually no rainfall recorded in the third week of the August. Scattered storms returned for the fourth week of the month, but higher rainfall totals were sparse and a few areas missed out on the rains entirely.

During the month, there were 62 daily precipitation records set across the state, with 19 of those records set at stations with at least a 100-year weather history. The Milan Experimental station in West Tennessee reported 5.02" of rain on August 8th, which was over half of their monthly rainfall this month, and set a record for the most rain in 24 hours at the station during the month of August. This surpassed the previous August record of 3.55" for this station set in 1974.



Station Data and Top Tenn. (warmest/wettest, coldest/driest stations of the month):

Station data for airports across the state using WBAN weather stations, compared to 1991-2020 30-year climate normals for departure from mean temperature and total precipitation:

Station Name	Temperatures (°F)								Precipitation (inches)		
	Averages				Extremes				Totals		
	Max	Min	Mean	Depart	High	Date	Low	Date	Obs	Depart	%Norm
Memphis	91.4	73.8	82.6	+0.5	102	8/26	63	8/31	2.82	-0.55	84%
Jackson	88.4	67.5	78.0	-0.3	99	8/26	59	8/31	5.70	+2.17	161%
Clarksville	88.1	68.2	78.2	+0.8	98	8/25	58	8/31	6.12	+3.22	211%
Nashville	89.4	70.3	79.8	+0.1	100	8/25	61	8/31	3.17	-0.62	84%
Chattanooga	90.2	71.0	80.6	+0.6	99	8/25	64	8/19	6.76	+3.09	184%
Crossville	81.6	63.4	72.5	-0.4	90	8/25	56	8/19	9.04	+5.43	250%
Knoxville	86.7	68.5	77.6	0.0	94	8/27	51	8/19	6.91	+3.28	190%
Bristol	84.8	64.8	74.8	+0.3	91	8/27	56	8/19	6.05	+2.29	161%

Departures and %Norm Key: **Warmer than Normal**, **Cooler than Normal**; **Wetter than Normal**, **Drier than Normal**

Hottest Stations (highest maximum temperature)

Station Name	Station Type	Highest Temperature (F)	Date
TENNESSEE RIDGE	COOP	103	25
MEMPHIS INTERNATIONAL AP	WBAN	102	26
MEMPHIS WFO	WBAN	102	26
JACKSON EXP STA	COOP	100	26
CLARKSVILLE WWTP	COOP	100	24
NASHVILLE BERRY FIELD	COOP	100	26
NASHVILLE INTL AP	WBAN	100	25
LEWISBURG EXP STA	COOP	99	27
FRANKLIN SEWAGE PLANT	COOP	99	24
LEBANON 7 N	COOP	99	26
CLARKSVILLE NO.2	COOP	99	26
CHEATHAM LOCK & DAM	COOP	99	25
CAMDEN TOWER TENNESSEE	RAWS	99	25
MERIWETHER LEWIS TENNESSEE	RAWS	99	24
SHILOH NMP TENNESSEE	RAWS	99	26
CHATTANOOGA AP	WBAN	99	25
JACKSON MCKELLAR- SIPES AP	WBAN	99	26

Ten stations tied for the 8th hottest temperature (99°F)

Coldest Stations (lowest minimum temperature)

Station Name	Station Type	Lowest Temperature (F)	Date
MT LECONTE	COOP	37	31
NEWFOUND GAP	COOP	47	31
ROAN MOUNTAIN 3SW	COOP	49	20
CELINA	COOP	50	29
PORTLAND SEWAGE PLANT	COOP	50	18
CHEROKEE TENNESSEE	RAWS	51	19
MOUNTAIN CITY 2	COOP	53	21
COALMONT	COOP	53	19
PICKETT STATE PARK	COOP	53	3
CROSSVILLE AREA OFFICE TENNESS	RAWS	53	19

Warmest Stations (highest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
MEMPHIS INTERNATIONAL AP	WBAN	82.6
MEMPHIS WFO	WBAN	80.9
CHATTANOOGA AP	WBAN	80.6
SHILOH NMP TENNESSEE	RAWS	80.5
NASHVILLE INTL AP	WBAN	79.8
NASHVILLE BERRY FIELD	COOP	79.6
CLARKSVILLE WWTP	COOP	79.4
JACKSON EXP STA	COOP	79.2
WAYNESBORO	COOP	79.0
DYERSBURG MUNICIPAL AIRPORT	WBAN	79.0

Coolest Stations (lowest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	COOP	58.8
NEWFOUND GAP	COOP	66
ROAN MOUNTAIN 3SW	COOP	67.9
CHEROKEE TENNESSEE	RAWS	70.1
MOUNTAIN CITY 2	COOP	70.6
TOWNSEND 5S	COOP	70.9
GATLINBURG 2 SW	COOP	71
CROSSVILLE 7 NW	WBAN	71.5
COALMONT	COOP	72.2
ONEIDA	COOP	72.5
CROSSVILLE MEMORIAL AP	WBAN	72.5

Two stations tied for the 10th lowest mean temperature (72.5°F)

Wettest Stations (highest precipitation totals):

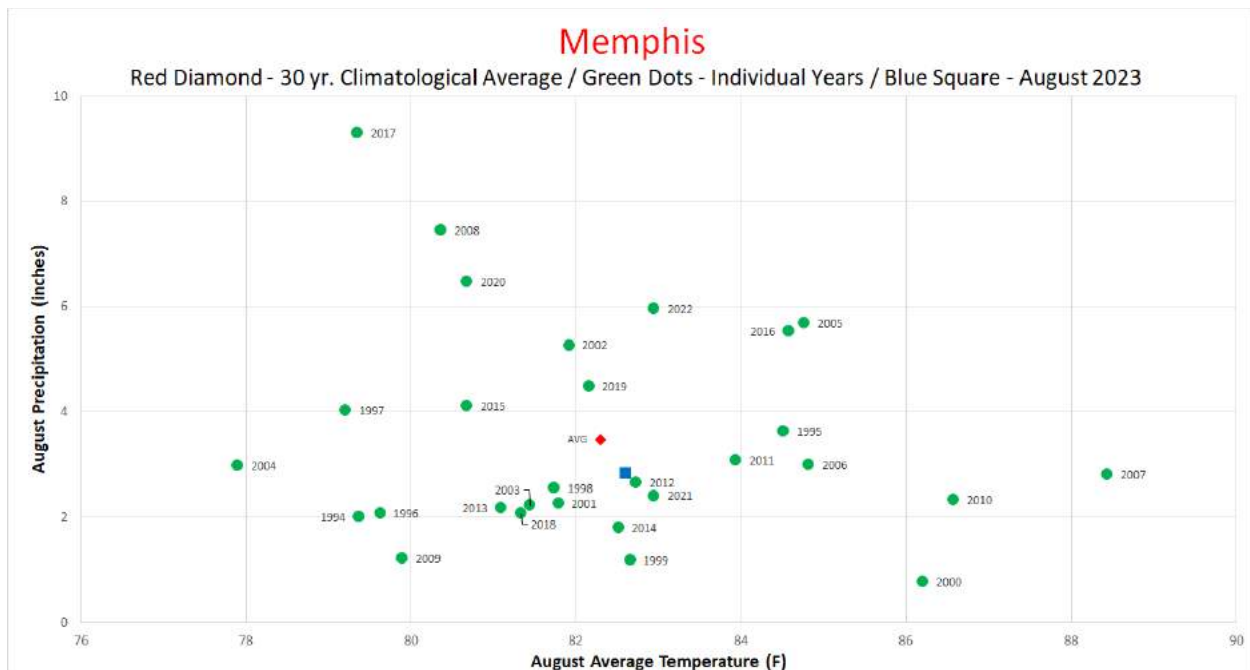
Station Name	Station Type	Total Precipitation (in)
JACKSON 9.3 NE	CoCoRaHS	12.68
MT LECONTE	COOP	12.28
MCKENZIE 1.5 SSE	CoCoRaHS	12.02
DRESDEN	COOP	11.8
GREENEVILLE 2.8 N	CoCoRaHS	11.45
ATWOOD 0.8 WSW	CoCoRaHS	11.09
JACKSON 4.3 NNE	CoCoRaHS	11
GREENEVILLE 3.0 S	CoCoRaHS	10.94
DOVER 1 W	COOP	10.88
JONESBOROUGH 2.7 SSW	CoCoRaHS	10.87

Driest Stations (lowest precipitation totals):

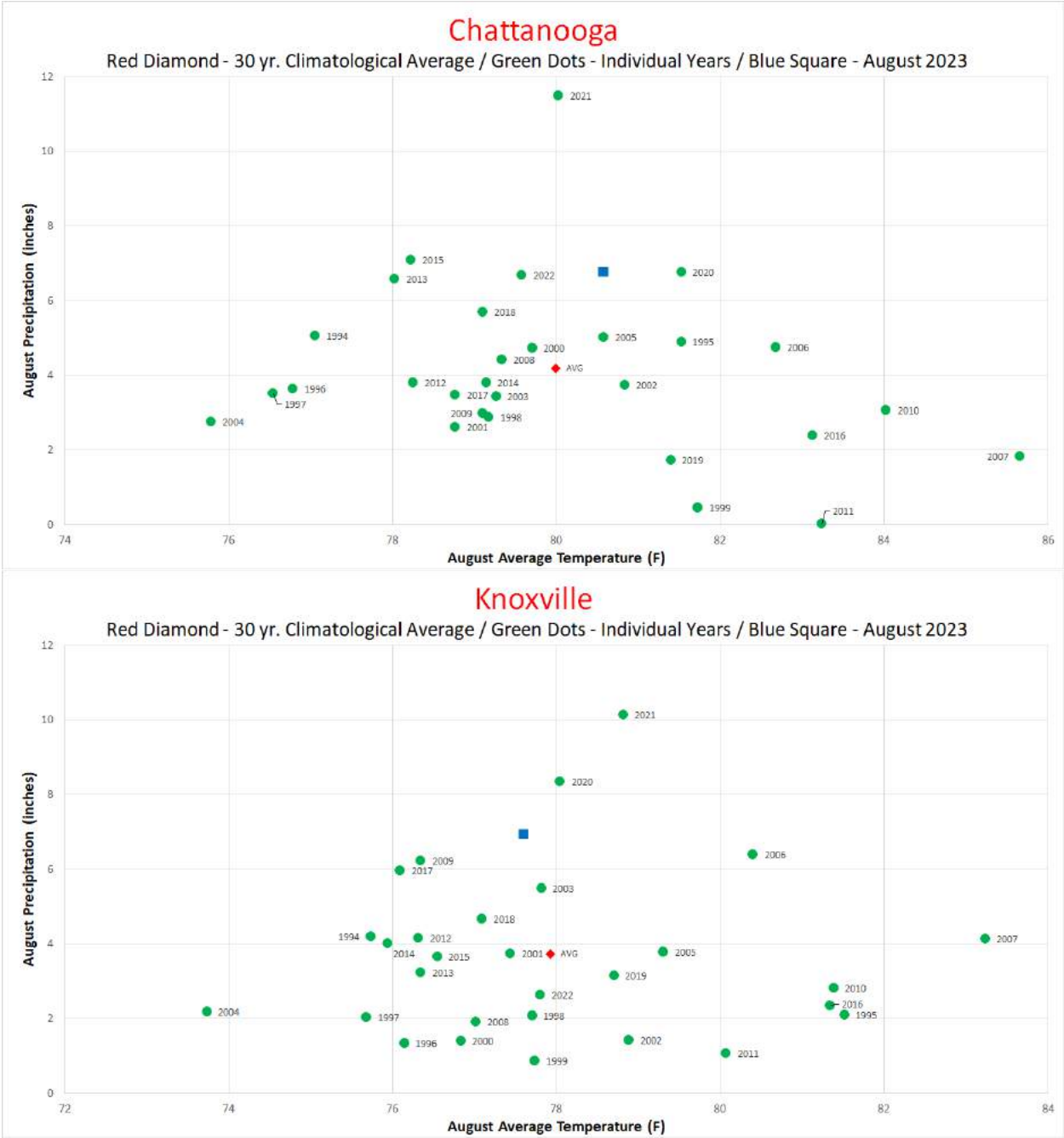
Station Name	Station Type	Total Precipitation (in)
CLEVELAND 1.2 W	CoCoRaHS	1.61
ELMWOOD 4.5 NNE	CoCoRaHS	2.27
LEBANON 2.7 SSE	CoCoRaHS	2.66
LEBANON 8.4 SSW	CoCoRaHS	2.66
BETHPAGE 1 S	COOP	2.73
CARTHAGE	COOP	2.79
MEMPHIS INTERNATIONAL AP	WBAN	2.82
OLD HICKORY 1.6 SSE	CoCoRaHS	2.86
RICKMAN 3.8 ESE	CoCoRaHS	2.86
GORDONSVILLE 1.4 ENE	CoCoRaHS	2.88

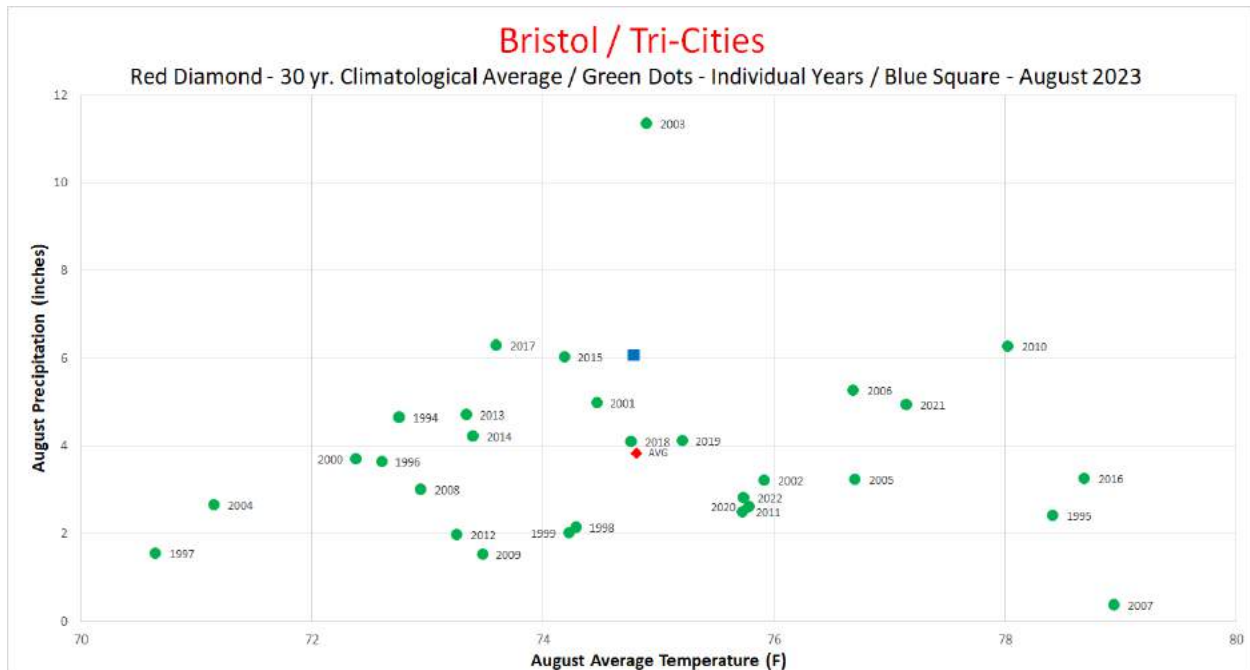
The Month in Comparison:

Comparing the average temperature and total precipitation for August 2023 to that of August in the previous 30 years at select automated weather stations located at airports across the state, most stations were close to average (within 1°F) with Memphis, Nashville, and Chattanooga slightly warmer than average, Jackson and Knoxville slightly cooler than average, and Bristol/Tri-Cities right at average. Precipitation was more variable, with Memphis and Nashville running below average this month, while Jackson, Chattanooga, Knoxville, and Bristol/Tri-Cities recording above average precipitation this month. Knoxville set and Chattanooga tied for their 3rd wettest and Bristol/Tri-Cities recorded its 4th wettest August of the past 30 years. Looking at the longer weather histories for these cities, it was the 5th wettest August in the 76-year record for the Tri-Cities, the 10th wettest August for both the 74-year record for Jackson and the 152-year record for Knoxville, and tied for 11th wettest August in the 145-year record for Chattanooga.







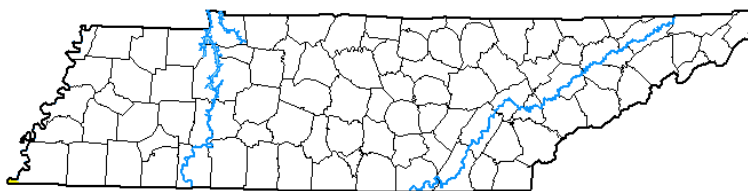


Drought Monitor:

At the end of August, only 0.04% of the state was shown with D0 (Abnormally Dry) conditions on the U.S. Drought Monitor, and this was located in extreme southwest Shelby County. This was a decrease in D1 (Moderate Drought) from 2.39% of the state's area at the beginning of the month to 0% at the end of the month, and a decrease in D0 coverage from 11.48% of the state's area to just 0.04% in the last Drought Monitor release of August.

U.S. Drought Monitor Tennessee

August 29, 2023
(Released Thursday, Aug. 31, 2023)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Author:

David Simeral
Western Regional Climate Center

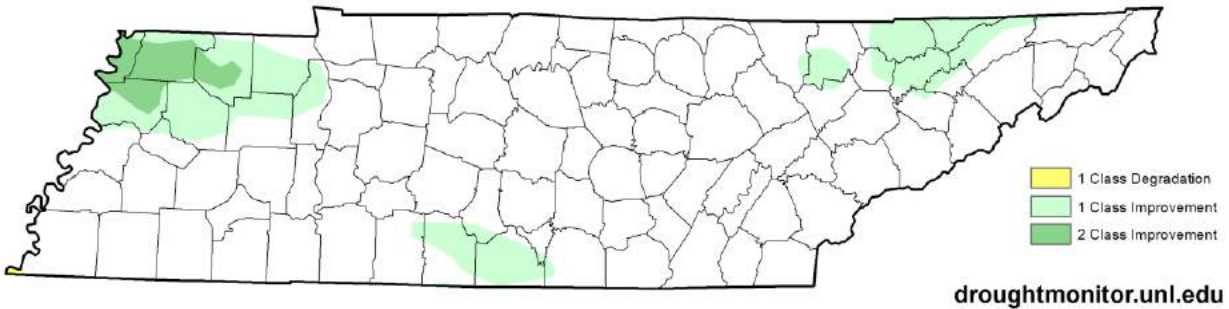


droughtmonitor.unl.edu

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <http://droughtmonitor.unl.edu/About.aspx>

August 29, 2023
compared to
August 1, 2023

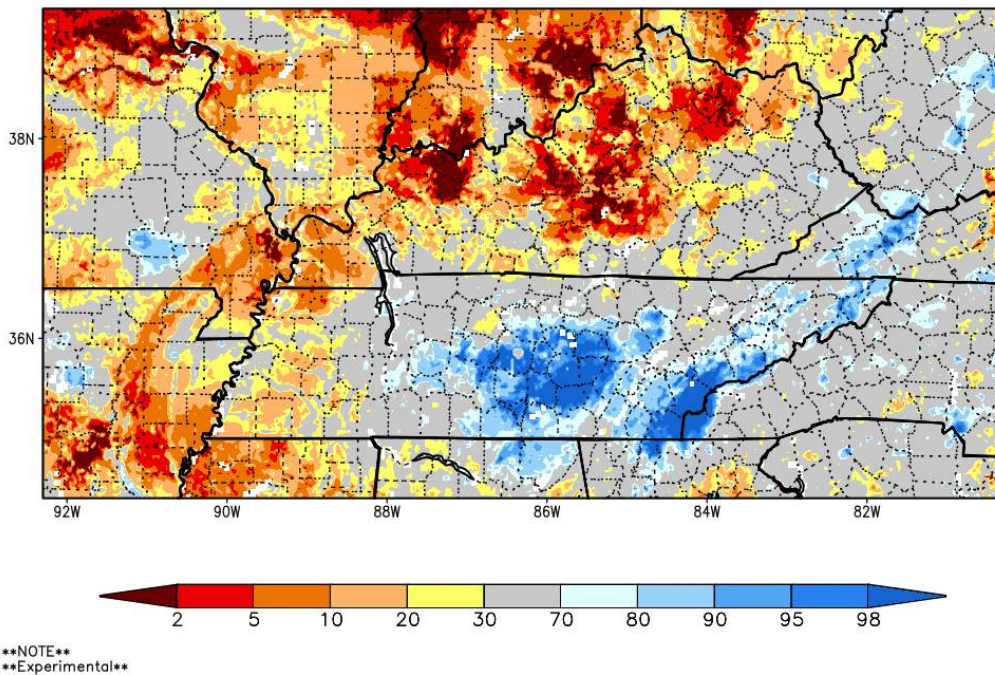
U.S. Drought Monitor Class Change - Tennessee 4 Week



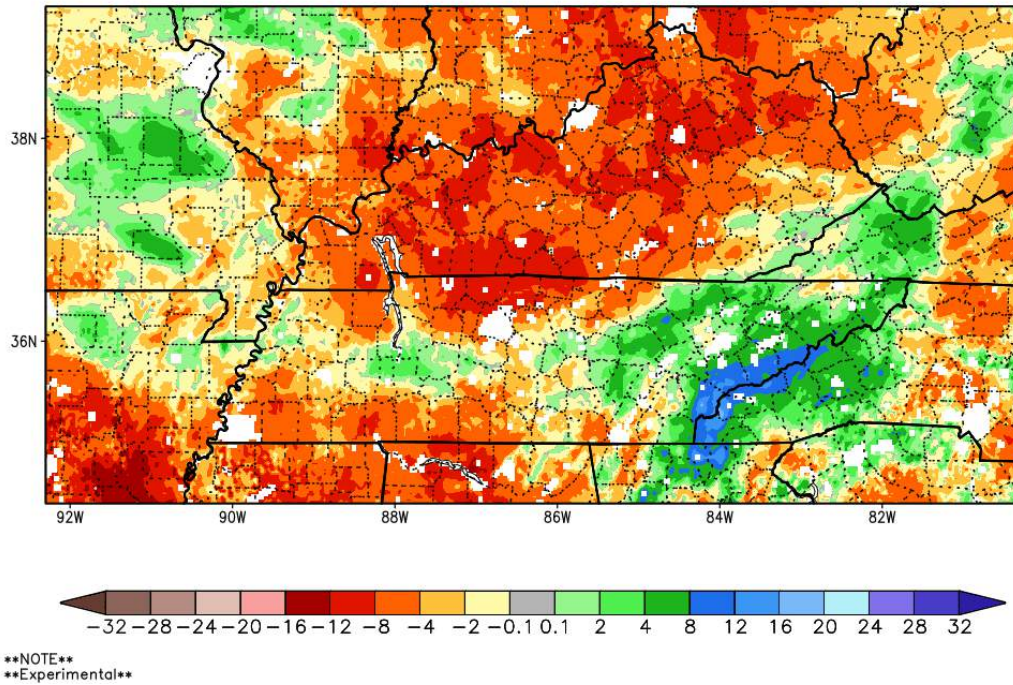
Soil Moisture:

Maps from the NASA SPoRT-Land Information System show that most of Tennessee had normal to above normal soil moisture levels at the end of August, but some areas of West Tennessee were shown with below normal soil moisture levels for this time of year. During the month of August, most areas outside of East Tennessee showed decreasing soil moisture percentiles. The USDA rated topsoil moisture as 1% very short, 21% short, 74% adequate, and 4% surplus, while subsoil moisture was rated as 1% very short, 13% short, 82% adequate, and 4% surplus.

SPoRT-LIS 0-200 cm Soil Moisture percentile valid 31 Aug 2023



1-Month Difference in Column Relative Soil Moisture (%) valid 12z 31 Aug 2023

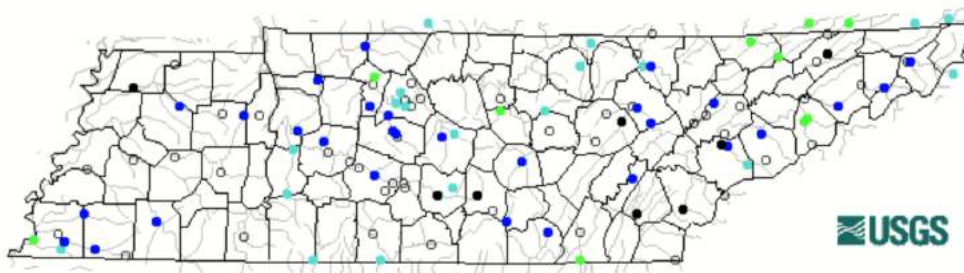


Streamflow:

Averaged over the month of August, most USGS stream gauges across the state averaged in the above or much above normal categories, with a few in the normal range and none reporting below normal streamflow for the month.

Map of monthly streamflow compared to historical streamflow for the month of the year (Tennessee)

August 2023



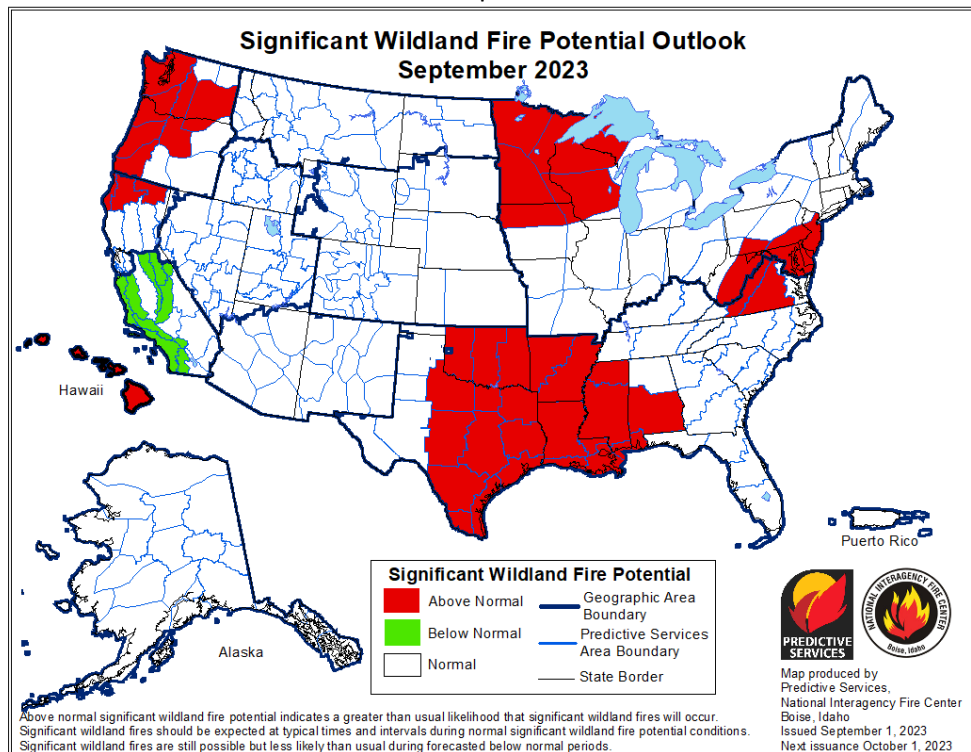
Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Miscellaneous:

Crop Conditions from USDA: Overall, crops and pastures were in good to excellent condition across the state at the end of August. There were some impacts from weather events including flooding of fields in northwest Tennessee, and severe storms blew down corn in some areas.

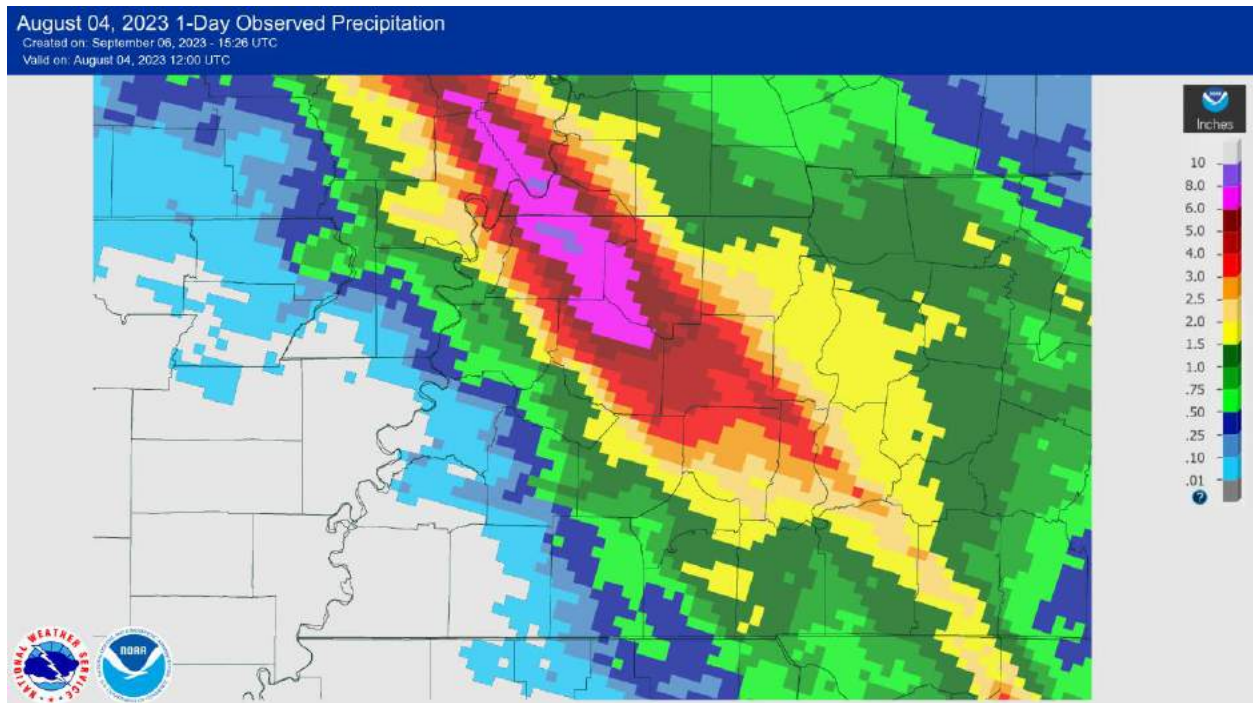
					CONDITION					
CROP PROGRESS	This Week	Last Week	2022	5 Year Avg.	Item	Very Poor	Poor	Fair	Good	Excellent
Percent					Percent					
Corn – Dough	97	95	96	97	Cotton	1	4	15	65	15
Corn - Dented	82	71	77	78	Corn	1	6	18	56	19
Corn – Mature	32	15	25	23	Soybeans	0	3	20	58	19
Corn – Harvested	1	n/a	2	1	Tobacco	4	8	15	48	25
Cotton – Setting Bolls	98	96	97	97	Pasture	2	5	25	57	11
Cotton – Bolls Opening	13	8	12	12						
Soybeans – Blooming	96	94	99	98						
Soybeans – Setting Pods	88	83	90	89						
Soybeans – Dropping Leaves	10	2	7	6						
Tobacco – Topped	92	85	96	n/a						
Tobacco – Cut	29	16	32	n/a						

Fire Danger: The Interagency Fire Center Significant Wildland Fire outlook for September shows all of Tennessee with a normal risk for significant wildfires, but areas to our west in Arkansas and southwest in Mississippi have an above normal risk for fires in September.



Story of the Month:

The main story of the month was the extreme rainfall and flash flooding that impacted northwest Tennessee in the first week of August, particularly on August 4th when training storms caused 6 to 10 inches of rainfall in parts of Obion, Weakley, and Gibson counties. One person in Union City reported a rainfall total of 11.49 inches from this event.



NOAA Advanced Hydrological Prediction Service rainfall data for August 4, 2023.

A flash flood emergency was issued by the National Weather Service in the area, several neighborhoods had to be evacuated, and many roads were shut down due to flooding including Exit 80A on I-40 in Jackson.

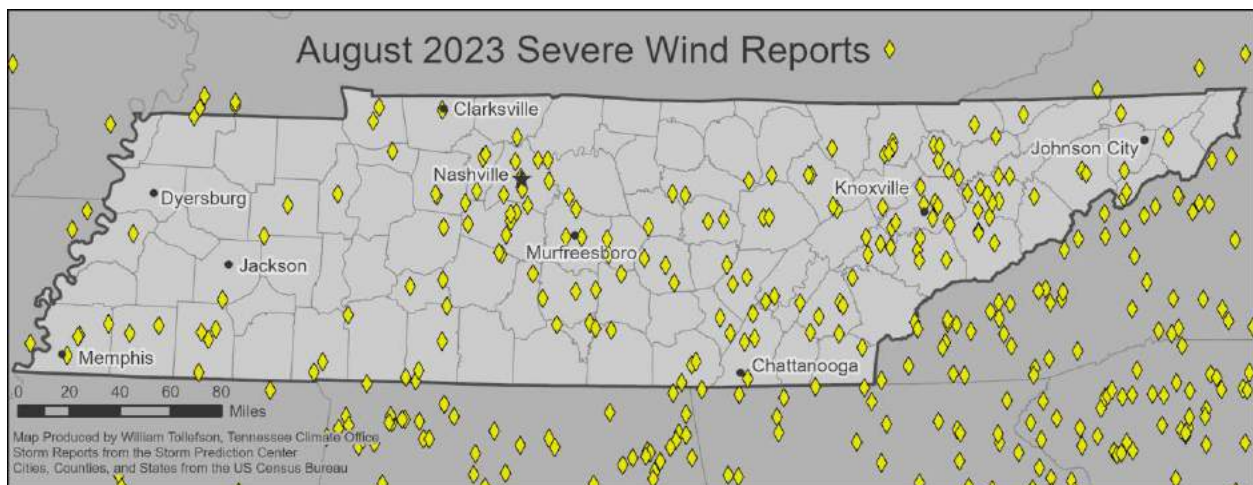


Police respond to flooding in Union City. Source: The Messenger – Chris Menees



Flooding in Union City on August 4, 2023. Source: WREG – Memphis.

A second major story for August 2023 was a new record number of severe thunderstorm wind reports for the month of August. The NOAA Storm Prediction Center severe weather database contained 164 reports of severe storm wind damage in Tennessee this month, the previous August record was 157 severe wind reports set in August 2003. There were ten days with severe storm reports this month, but August 7th and 12th contributed the most to the monthly total of severe wind reports with 43 and 59 reports, respectively. Daily severe storm report maps and tables are provided in the Storm Reports section of this report.



Storm Reports:

**Storm Reports are based on filtered NOAA Storm Prediction Center data or local NWS storm reports. Future quality control checks may change the official record of severe events, please see spc.noaa.gov for any updates.*

There were 10 days with severe storm reports during August 2023, with 3 reported tornadoes, 164 reports of severe wind damage, and 4 reports of severe hail (with a diameter of 1" or larger). There was one severe weather-related injury that occurred on August 7th when a tree fell on a vehicle in Coffee County. The total of 164 severe wind reports breaks the record for the highest number of severe wind damage reports for the state of Tennessee in the month of August, according to the Storm Prediction Center Database (with data back to 1950).

August 3:



Tornado:

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
18:21	EF1	3 SSE Bradbury	Roane	35.84	-84.37	The tornado touched down in the community of Oral in eastern Roane County near the intersection of Country Lane and Highway 70. The tornado tracked eastward along Highway (MRX)

Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:20	--	3 SE Bradbury	Roane	35.83	-84.36	Trees and power lines down near Hwy 70 (Kingston Hwy) and Copenhaver Rd. (MRX)
18:30	--	1 SE Lenoir City	Loudon	35.79	-84.26	Trees down and roof damage to a few homes. (MRX)

August 5:**Wind:**

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
21:40	--	1 WNW Bartlett	Shelby	35.22	- 89.86	Large tree uprooted in Bartlett near Memphis-Arlington Rd and Venson Dr. (MEG)
21:40	--	Arlington	Shelby	35.29	- 89.66	Public reported tree down off Chester St. (MEG)
22:15	--	4 NNE Somerville	Fayette	35.29	- 89.31	Tree down blocking road East Bound. (MEG)
22:21	--	1 SSW Medon	Madison	35.45	- 88.87	Several trees down along Highway 18 near Medon. (MEG)
22:25	--	5 ENE Bolivar	Hardeman	35.28	- 88.91	Reported large tree down on highway 125 in Bolivar... TN. (MEG)
22:57	--	4 SE Bolivar	Hardeman	35.22	- 88.96	Reported tree fallen on house. (MEG)
22:58	--	4 ESE Saulsberry	Hardeman	35.03	- 89.02	Several trees down... powerlines down... and light post snapped in half across Hardeman CO. (MEG)
23:46	--	6 NE Pickwick Dam	Hardin	35.11	- 88.16	Tree and powerlines down on Pyburns drive close to Hwy 69. (MEG)
0:30	--	1 SSW Saint Joseph	Lawrence	35.01	- 87.51	Adds to previous tstm wnd dmg report from 1 SSW Saint Joseph. Dispatch reports power lines down across US-43 approx 1 mile north of state line and numerous trees down o (OHX)

August 7:**Tornado:**

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
18:17	EF2	3 SSW Karns	Knox	35.93	-84.15	Tornado reached peak intensity and width as it affected Lovell Cove subdivision and the Lovell Crossing apartment complex. Maximum width was observed to be 200 yards... (MRX)

Wind:

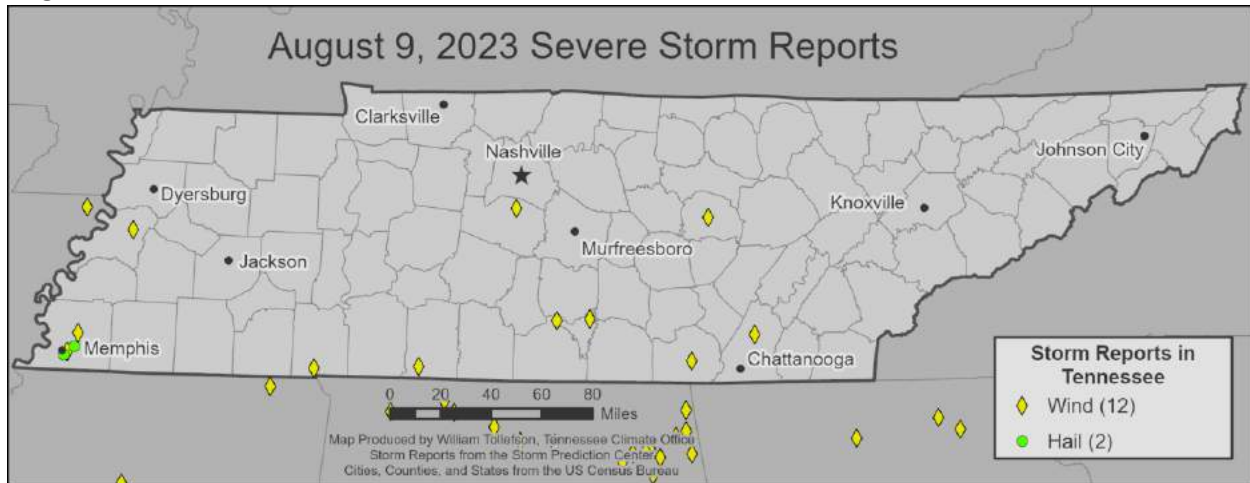
Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
14:18	65	1 N Oakland	Fayette	35.24	-89.51	Trained weather spotter estimated 65 mph winds. (MEG)
15:29	--	Iron City	Lawrence	35.03	-87.58	Several trees blown down across southern Lawrence County. (OHX)
15:42	--	Summertown	Lawrence	35.44	-87.3	Numerous tree limbs down across Summertown with some partially blocking streets. One pine tree snapped on N Brace Road. (OHX)
15:43	--	1 SE Lawrenceburg	Lawrence	35.24	-87.33	Tree limb down on power line at 1st Ave and Gaines St. (OHX)
16:09	--	2 S Caryville	Campbell	36.3	-84.22	A few trees down. (MRX)
16:32	--	2 ESE Murfreesboro	Rutherford	35.84	-86.36	Tspotter photo of large tree that fell onto a building causing significant damage on Airport Ave. (OHX)
16:36	--	6 N Normandy	Bedford	35.54	-86.26	Trees and numerous limbs down. (OHX)
16:44	--	9 W Morrison	Coffee	35.63	-86.08	*** 1 INJ *** Tree down on a vehicle at Woodbury Hwy/Gnat Hill Rd. (OHX)
16:44	--	Bradyville	Cannon	35.74	-86.17	Pictures shared on social media show severe thunderstorm winds caused a roof of a deck to cave in. No injuries reported. Time estimated via radar. (OHX)
16:49	--	2 WSW La Follette	Campbell	36.37	-84.16	A few trees down. (MRX)

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Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
16:58	--	Mcminnville	Warren	35.68	-85.77	Severe thunderstorm winds downed numerous trees and powerlines across Warren County. About 60 reports of traffic hazards have been received with numerous power outages (OHX)
17:02	--	Sparta	White	35.93	-85.47	Several trees down at Skyline Dr. and Redbud Trail. (OHX)
17:05	--	8 SE Spencer	Van Buren	35.68	-85.34	Straight-line winds downed several trees at Fall Creek Falls State Park... blocking both park entrances and causing power outages. This forced the park to close. Time e (OHX)
17:09	--	7 SW Baxter	Putnam	36.09	-85.72	Facebook post reports a snapped tree in Silver Point falling on a home... causing minor roof and gutter damage from photo. Time estimated via radar. (OHX)
17:25	--	2 WSW Luttrell	Union	36.2	-83.77	A few trees down. (MRX)
17:30	--	Dunlap	Sequatchie	35.38	-85.39	Numerous trees and power lines down across the county. (MRX)
17:30	--	Pikeville	Bledsoe	35.61	-85.2	Numerous trees and power lines down countywide. (MRX)
17:30	--	1 NNW Talbott	Hamblen	36.16	-83.42	Large tree down. (MRX)
17:31	64	3 W Crossville	Cumberland	35.95	-85.08	ASOS station KCSV Crossville Memorial Airport. (OHX)
17:35	--	Crossville	Cumberland	35.95	-85.04	Numerous trees down across Cumberland County... with two homes damaged by falling trees. (OHX)
17:41	--	4 ENE Monterey	Overton	36.16	-85.18	Tree down. (OHX)
17:45	--	Dayton	Rhea	35.5	-85.01	Large tree down. (MRX)
17:45	--	Oakdale	Morgan	35.99	-84.56	Numerous trees and power lines down across the southern portion of the county. (MRX)
17:50	--	Farragut	Knox	35.88	-84.18	Several trees and power lines down. (MRX)
17:50	--	Clarkrange	Fentress	36.19	-85.02	Power lines down... tree on top of a car near Martha Washington Rd. (OHX)
17:55	--	3 E South Pittsburg	Marion	35.01	-85.66	Multiple trees down in New Hope. (MRX)
18:05	--	Riceville	McMinn	35.38	-84.7	Multiple trees and power lines down. (MRX)
18:05	--	1 SE Loudon	Loudon	35.73	-84.35	Loudon County High sustained significant roof damage to the gymnasium. The roof decking was ripped off the building. The only other structural damage on site was to the (MRX)
18:10	--	Dandridge	Jefferson	36.02	-83.42	Multiple trees and power lines down. Trees down on vehicles... and on homes. (MRX)

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Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:15	--	3 NE Farragut	Knox	35.91	-84.15	Tree and roof damage in the neighborhoods north and south of I-40 along Lovell road. (MRX)
18:19	68	4 SE Chattanooga	Hamilton	35.03	-85.2	ASOS station KCHA Chattanooga Airport. (MRX)
18:30	--	2 WNW Maryville	Blount	35.75	-84	Multiple trees down in Maryville/Alcoa. Time estimated from radar. (MRX)
18:30	--	3 WNW Friendsville	Loudon	35.77	-84.19	Numerous trees down on Beals Chapel Road... also reports of roof damage. Time estimated from Radar. (MRX)
18:30	--	1 NW Greeneville	Greene	36.18	-82.83	Multiple trees and powerlines down across the county. Time estimated from radar. (MRX)
18:36	60	2 N Alcoa	Blount	35.82	-83.98	ASOS station KTYS Knoxville McGhee Tyson. (MRX)
18:45	--	3 E Kodak	Sevier	35.97	-83.57	Straight line wind damage began just west of the Splendor Oaks subdivision off of Highway 139 in Sevier county. One large tree was snapped near the base of the trunk... (MRX)
18:45	--	3 WSW Dandridge	Jefferson	36.01	-83.47	Multiple trees down across the county... and reported on house off Green Hill Road. Time estimated from Radar. (MRX)
18:46	--	3 WNW Sharps Chapel	Union	36.35	-83.87	Tree down. (MRX)
18:47	--	4 W Embreeville	Washington	36.17	-82.53	Report from mPING: Trees uprooted or snapped; Roof blown off. (MRX)
18:49	--	5 SSE Bullet Creek	Polk	35.2	-84.4	Numerous trees and power lines down in Polk County. (MRX)
18:50	--	4 WNW Pittman Center	Sevier	35.78	-83.46	Tree on house. (MRX)
19:39	--	1 ESE Rocky Fork	Unicoi	36.02	-82.54	Corrects previous tstm wnd dmg report from 1 ESE Rocky Fork. Several trees down mainly in south Unicoi County. (MRX)

August 9:**Wind:**

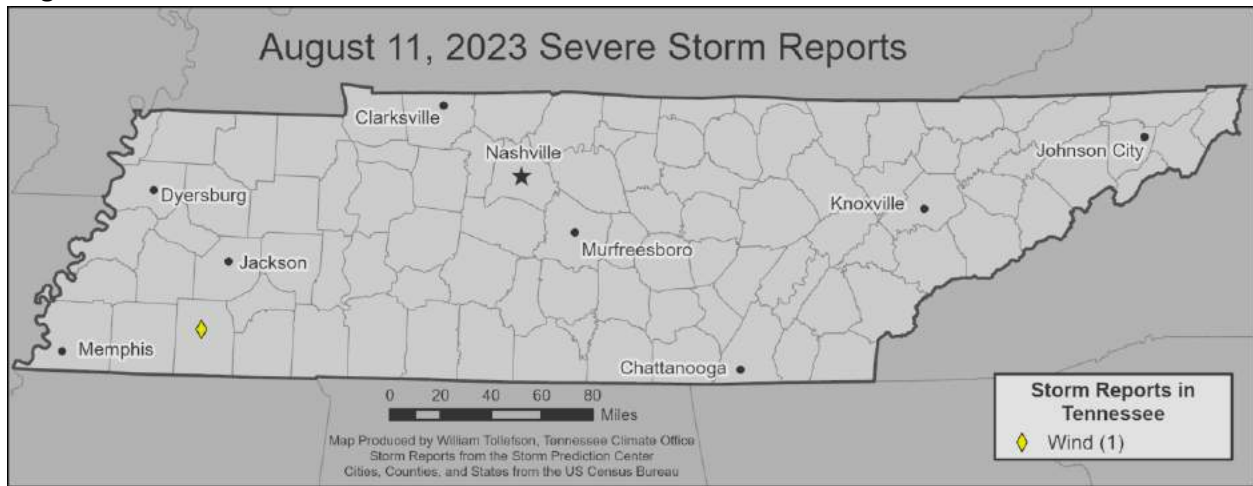
Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
16:25	--	3 SE Midtown Memphis	Shelby	35.1	-89.94	Corrects previous tstm wnd dmg report from 3 SE Midtown Memphis. Major tree damage in Sherwood Forest area of east Memphis. Microburst detected via radar. (MEG)
16:47	--	3 SE Midtown Memphis	Shelby	35.1	-89.94	Major tree damage in Sherwood Forest area of east Memphis. (MEG)
18:15	--	2 WSW Bartlett	Shelby	35.21	-89.87	Herrington Creek was out of its banks and flooding nearby parking lot near Stage Rd. (MEG)
19:12	--	2 E Pickwick Dam	Hardin	35.05	-88.22	Reported tree down. (MEG)
19:59	--	2 NNE St. Joseph	Lawrence	35.07	-87.49	Trees across roads west of Loretto around Thornton Road. (OHX)
4:20	--	4 SE Edith	Lauderdale	35.81	-89.51	Several fallen trees knocking down powerlines/power across Ripley... TN reported. (MEG)
6:22	--	2 WSW Brentwood	Williamson	35.98	-86.82	Tspotter coordinator sent photo of a large cedar tree split on Ellendale Drive. (OHX)
7:36	--	Sparta	White	35.93	-85.47	Facebook photos showed a tree fell on a house near Sparta. (OHX)
7:50	--	6 ENE Petersburg	Moore	35.34	-86.53	Trees down at 7018 Charity Rd. (HUN)
7:50	--	5 NE Lynchburg	Moore	35.35	-86.3	Tree down at Culberland Springs Rd and Raysville Rd. (HUN)
8:40	--	4 NNE Jasper	Marion	35.11	-85.59	Several trees down. (MRX)
9:25	--	1 E Soddy-Daisy	Hamilton	35.26	-85.15	Several trees down across the county. (MRX)

August 2023 Tennessee State Climate Summary

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
16:25	1.00	4 SSE Midtown Memphis	Shelby	35.08	-89.96	Quarter size hail reported near Lamar Ave and I-240. (MEG)
16:40	1.50	4 N Southeast Memphis	Shelby	35.13	-89.89	Corrects previous hail report from 3 NNE Southeast Memphis. Reported hail near Walnut Grove and White Station. (MEG)

August 11:



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
21:46	--	1 SW Bolivar	Hardeman	35.26	-89.01	Trees and powerlines down on Mecklenburg drive in Bolivar. (MEG)

August 12:**Tornado:**

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
16:47	EF0	1 WNW Franklin	Williamson	35.93	-86.85	A brief... weak EF-0 tornado touched down 1.2 miles northeast of downtown Franklin and moved southeastward before lifting near Hwy 96 at Royal Oaks Blvd. The main damage (OHX)

Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
14:15	--	1 N Woodland Mills	Obion	36.49	-89.11	Reported multiple trees down/across the road between Woodland Mills and Hickman (right near the state line). EM believes straightline wind damage. (MEG)
15:00	--	1 NNE Ashland City	Cheatham	36.29	-87.06	Facebook report of trees down across Frey St and Hwy 49 in Ashland City. (OHX)
15:20	--	7 W Madison	Davidson	36.27	-86.83	Tspotter photo of trees down across roads in Whites Creek. (OHX)
15:58	--	2 NNE Ashland City	Cheatham	36.31	-87.04	Corrects previous tstm wnd dmg report from 1 NNE Ashland City. Facebook report of trees down across Frey St and Hwy 49 in Ashland City. (OHX)
16:10	--	1 SW Greenbrier	Robertson	36.41	-86.82	Spotter reported a tree was struck by lightning... causing it to fall on a transformer 2 miles south of Greenbrier in Robertson County. (OHX)
16:12	--	Dickson	Dickson	36.07	-87.38	Corrects previous tstm wnd dmg report from Dickson. Two trees snapped on Myatt St in downtown Dickson. Numerous other trees down in the city with some falling on homes. (OHX)
16:20	--	7 W Madison	Davidson	36.27	-86.83	Corrected for wrong time in previous report. Tspotter photo of trees down across roads in Whites Creek. (OHX)

August 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
16:22	--	5 S Bon Aqua	Hickman	35.89	-87.33	Large tree uprooted and power lines down on McFarlin Rd. (OHX)
16:25	--	Kingston Springs	Cheatham	36.1	-87.1	Tspotter photo of tree down on road in Kingston Springs. (OHX)
16:32	--	5 SSW Fairview	Williamson	35.91	-87.16	Report of trees down with scattered power outages in the Fairview area. (OHX)
16:42	--	1 NNW Nashville	Davidson	36.18	-86.79	Tspotter video of tree down on house in the 1600 block of 5th ave in Germantown. (OHX)
16:44	60	1 SSE Hendersonville	Sumner	36.28	-86.6	TV meteorologist reported 60 mph wind gusts in Indian Lake area of Hendersonville. (OHX)
16:45	--	8 WNW Mount Pleasant	Maury	35.59	-87.33	Photo received of a very large tree down by Dry Fork Road/Bobel Lane. Time is radar estimated. (OHX)
16:45	--	3 ENE Brentwood	Davidson	36.02	-86.74	Tspotter report of tree down in Williams Grove area of Brentwood. (OHX)
16:47	--	1 W Franklin	Williamson	35.93	-86.86	Tspotter reports and photos of several trees down near the Factory with one crushing a shed. (OHX)
17:04	--	3 SSW Gladeville	Wilson	36.07	-86.45	Tree down on house at 1510 Couchville Pike. (OHX)
17:12	--	3 NNW Walterhill	Rutherford	36	-86.4	Photo received of two trees down across Powells Chapel Road. Time is radar estimated. (OHX)
17:16	--	Chapel Hill	Marshall	35.63	-86.7	Facebook photos showed several trees down around Chapel Hill. (OHX)
17:27	--	9 SSW Unionville	Bedford	35.49	-86.63	Tspotter report of roof damage to barn in Wheel. (OHX)
17:30	--	Readyville	Cannon	35.83	-86.18	Tree down on home that destroyed back porch and carport. (OHX)
17:45	--	4 NE Shelbyville	Bedford	35.53	-86.4	Tspotter report of tree down across Horse Mountain Road. (OHX)
17:50	--	Centertown	Warren	35.72	-85.92	Corrects previous funnel cloud report from Centertown. Facebook photo showed a large tree down blocking a road near Centertown. (OHX)
17:52	--	3 SSW Martin Springs	Marion	35.13	-85.56	Multiple trees down across the county. (MRX)
18:06	--	2 E Jacksboro	Campbell	36.34	-84.16	Several trees down. (MRX)
18:12	--	6 ENE Lynchburg	Moore	35.32	-86.26	Report of three trees down near Tullahoma. Time estimated by radar. (HUN)
18:16	--	7 SE Dunlap	Sequatchie	35.29	-85.32	A few trees down. (MRX)
18:16	--	3 WNW Sale Creek	Hamilton	35.4	-85.16	A few trees down. (MRX)
18:20	--	8 SSE McMinnville	Warren	35.58	-85.71	Facebook photo of tree down and shed damaged in Irving College. (OHX)
18:25	--	6 E Sparta	White	35.94	-85.36	Trees and power lines down across east and southeast White County. (OHX)
18:33	--	2 SE Deerlodge	Morgan	36.19	-84.74	Several trees down. (MRX)

August 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:33	--	1 ENE Elgin	Scott	36.34	-84.59	Several trees down. (MRX)
18:36	--	2 NNE Graysville	Rhea	35.47	-85.07	Trees and power lines down. (MRX)
18:43	--	2 NW Oakdale	Morgan	36.01	-84.59	Several trees down. (MRX)
18:45	--	3 NNW Estill Springs	Franklin	35.31	-86.15	Report of multiple trees down in Estill Springs along UT Farm Rd. Time estimated by radar. (HUN)
18:51	--	1 W Lake Forest	Knox	35.93	-83.89	Tree down near Chapman Hwy and Stone Rd. (MRX)
18:54	--	5 ENE Old Cumberland	Bledsoe	35.57	-85.3	Several trees down. (MRX)
18:55	--	Clarkrange	Fentress	36.19	-85.02	Facebook photo of a tree down across a road in Fentress County. (OHX)
18:59	--	1 W Sharps Chapel	Union	36.34	-83.83	A few trees down. (MRX)
19:14	--	5 SSW Decatur	Meigs	35.46	-84.83	Several trees down. (MRX)
19:20	--	1 S Jacksboro	Campbell	36.31	-84.19	Multiple trees down. (MRX)
19:25	--	4 NE Oak Ridge	Anderson	36	-84.24	Several trees down across the area. (MRX)
19:30	--	1 SSE Deerlodge	Morgan	36.19	-84.76	A few trees down. (MRX)
19:32	--	Sweetwater	Monroe	35.6	-84.46	Report from mPING: 1-inch tree limbs broken; Shingles blown off. Several trees down. (MRX)
19:34	--	3 ENE Athens	McMinn	35.46	-84.55	Multiple trees down. (MRX)
19:39	--	2 NNW Thorn Hill	Grainger	36.39	-83.43	A few trees down. (MRX)
19:45	--	2 WNW Maynardville	Union	36.26	-83.84	Several trees down. (MRX)
19:48	--	2 SW Kimberlin Heights	Knox	35.91	-83.78	Tree down blocking traffic at Bays Mtn Rd and Pratt Rd. Several trees down. (MRX)
19:48	--	3 N Knoxville	Knox	36.01	-83.95	Tree down blocking traffic on Glenoaks Dr and Coster Rd. (MRX)
19:55	60	4 SSW Maryville	Blount	35.69	-83.99	Recorded on a Tempest home weather station. (MRX)
20:02	--	5 N Harrisburg	Sevier	35.93	-83.49	Multiple trees down. (MRX)
20:04	--	5 SSW Maloneyville	Knox	36.02	-83.87	Tree down blocking Skyview Dr. (MRX)
20:15	--	2 SSE Walland	Blount	35.69	-83.8	Trees down. (MRX)
20:20	--	3 SSE Sevierville	Sevier	35.85	-83.57	A few trees down across the area. (MRX)
20:20	--	5 NNE Lake Forest	Knox	36	-83.85	Tree down blocking lane of traffic near S Chilhowee Dr and Green Valley Dr. (MRX)
20:42	--	Bybee	Cocke	36.04	-83.17	Trees and power lines down. (MRX)
20:45	--	3 NNW Pigeon Forge	Sevier	35.84	-83.57	A few trees down. (MRX)

August 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
20:47	--	1 NNE Seymour	Sevier	35.89	-83.77	Trees down blocking traffic... Curly Lane @ Garners Landing. (MRX)
21:26	--	2 ENE Rocky Fork	Unicoi	36.05	-82.52	Several trees down along with a sign blown over. (MRX)
21:55	--	3 NNE Piedmont	Jefferson	36.06	-83.5	Large tree along the side of McGuire Rd near the intersection of Shields Ridge Rd. (MRX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
19:02	1.00	1 E Halls	Knox	36.08	-83.92	Report from mPING: Quarter (1.00 in.). (MRX)

August 13:



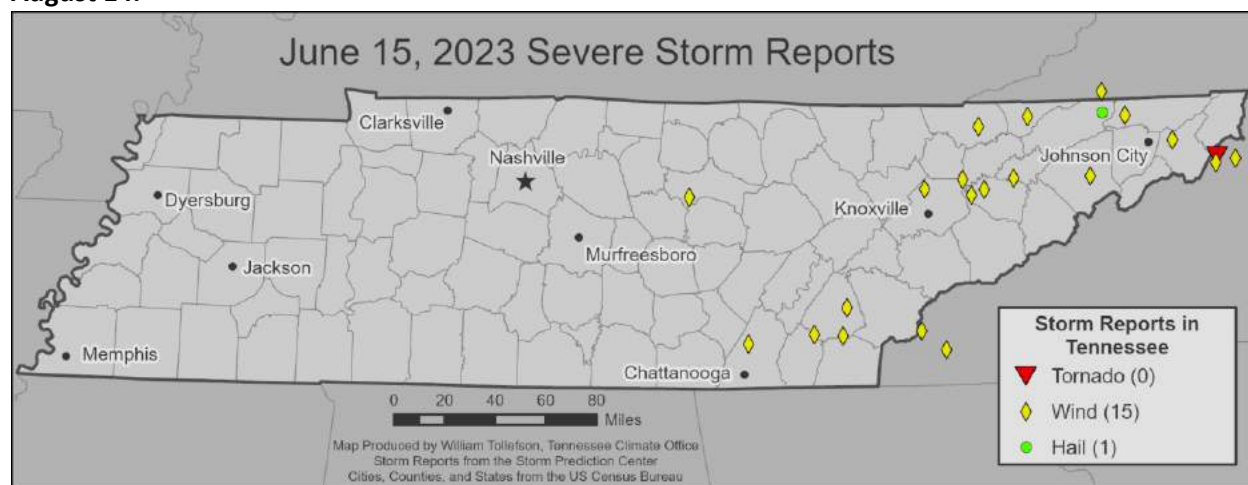
Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:03	--	Cedar Grove	Carroll	35.82	-88.59	Multiple trees down in Cedar Grove along Highway 70 at the intersection of Hwy 70/Hwy 104 reported impassible Multiple trees down across the county-multiple units dispat (MEG)
18:15	--	1 WSW Huntingdon	Carroll	36	-88.43	Part of a roof blew off of a large barn... Large oak tree fell on a small barn. (MEG)
18:35	--	2 E Camden	Benton	36.07	-88.08	Multiple reports of trees down blocking roads and powerlines down across Benton Co. (MEG)
19:09	--	3 SE Bumpus Mills	Stewart	36.57	-87.8	Report of large tree down blocking Highway 120 between Big Rock and Bumpus Mills. (OHX)
19:10	--	Erin	Houston	36.32	-87.7	Corrects previous flash flood report from Erin. Scattered trees and power lines down across the county... mainly in southeast portions between Hwy 13 and Hwy 231 near t (OHX)

August 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
19:44	--	4 NW Fairview	Williamson	36.03	-87.18	Tspotter report of 3 large oak trees down at I-40 and Highway 96. (OHX)
19:45	--	Clarksville	Montgomery	36.56	-87.35	Facebook report of large tree branches down in Clarksville. (OHX)
20:01	--	3 WSW Belle Meade	Davidson	36.08	-86.91	Tspotter photo of a tree down on Hwy 70S near The Lakes apartments in Bellevue. (OHX)
20:06	--	3 NNW Franklin	Williamson	35.97	-86.86	Tspotter photo of a tree down blocking South Berrys Chapel Rd in Hillsboro. (OHX)
20:16	--	1 SW Berry Hill	Davidson	36.11	-86.78	Large oak tree down blocking Robin Rd in Oak Hill. (OHX)
20:24	--	3 SSE Hermitage	Davidson	36.16	-86.59	Tree down on carport in Glendiff. (OHX)
20:40	--	2 ENE Madison	Davidson	36.28	-86.67	Tspotter photo of a tree down on Swinging Bridge Rd in Old Hickory. (OHX)
20:48	--	5 WSW Murfreesboro	Rutherford	35.84	-86.47	Large tree limb down blocking Rucker Ln at Confederate Rd. (OHX)
21:45	--	6 SW Smithville	De Kalb	35.9	-85.89	Trained spotter reports large branches and a few weak trees were blown down in southwest sections of the county. (OHX)

August 14:



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
0:25	--	New Market	Jefferson	36.1	-83.55	Multiple trees down. (MRX)
0:30	--	3 NW Halls	Knox	36.11	-83.97	Tree across road. (MRX)
0:53	--	3 E Strawberry Plains	Jefferson	36.07	-83.64	Multiple trees down in Strawberry Plains near the mines. (MRX)
1:05	--	1 NNW Blaine	Grainger	36.16	-83.7	Several reports of trees down in Blaine. (MRX)
1:15	--	Tazewell	Claiborne	36.46	-83.58	Multiple trees and power lines down. (MRX)

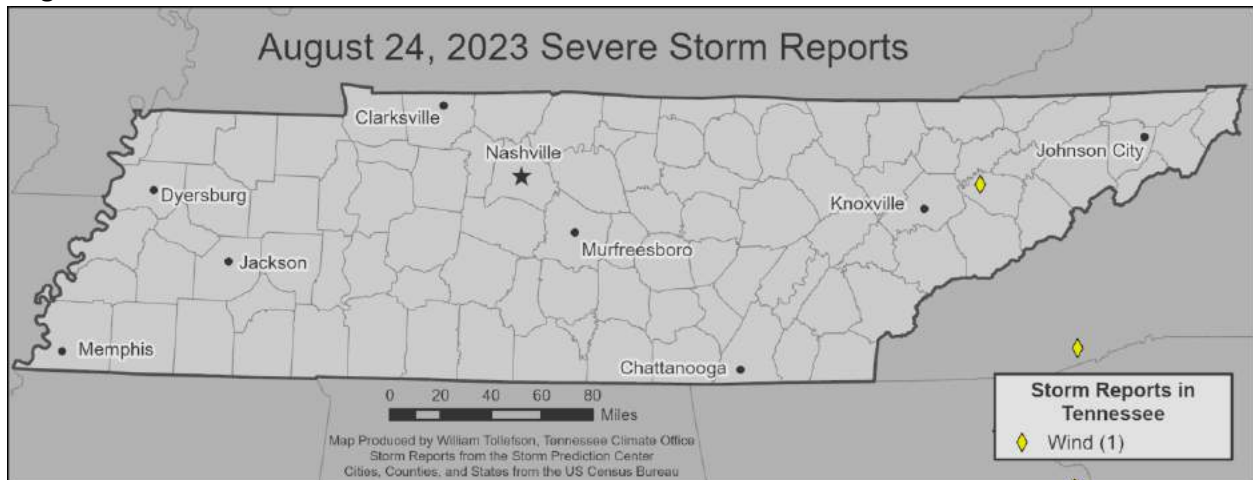
August 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
1:15	--	2 SSW Sneedville	Hancock	36.51	-83.23	Trees down along Tazewell Highway. (MRX)
1:20	--	Charleston	Bradley	35.29	-84.76	Multiple trees down in and around Charleston. (MRX)
1:58	--	5 S Baxter	Putnam	36.08	-85.63	Tree down on Thomas Twin Oak Rd... and another tree down at Baxter Rd and Waterplant Rd. (OHX)
2:00	--	3 E Dentville	McMinn	35.28	-84.56	Trees down in the south end of the county. (MRX)
2:10	--	2 NW Colonial Heights	Sullivan	36.5	-82.54	Trees blown down on Moreland Drive. (MRX)
3:00	--	3 WNW Englewood	McMinn	35.44	-84.53	Multiple trees down across the county. (MRX)
3:30	--	3 ESE Alpha	Hamblen	36.16	-83.34	Several trees down across the county... mainly focused around the southern and eastern portions of the county. (MRX)
4:05	--	1 E Greeneville	Greene	36.16	-82.8	Dispatch reports numerous trees down across the county. Time estimated by radar. (MRX)
4:30	--	2 ENE Elizabethton	Carter	36.35	-82.21	Several trees down throughout Carter County. (MRX)
5:55	--	3 WSW Soddy-Daisy	Hamilton	35.24	-85.22	Tree down. (MRX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
1:55	1.00	1 ESE Church Hill	Hawkins	36.52	-82.7	(MRX)

August 24



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:00	--	New Market	Jefferson	36.1	-83.55	A few trees down. (MRX)

August 26



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
20:53	--	1 NNE Dover	Stewart	36.49	-87.84	Severe thunderstorm winds downed numerous trees across portions of Stewart County. Time estimated via radar. (OHX)
21:25	--	Lawrenceburg	Lawrence	35.24	-87.33	Corrects previous tstm wnd dmg report from Lawrenceburg. Numerous trees down in Lawrenceburg... mostly north of the public square around Liberty Ave. One tree fell onto (OHX)
21:35	--	6 SSW Franklin	Williamson	35.85	-86.89	Corrects previous flood report from 6 SSW Franklin. Tree snapped on Keystone Dr. Time estimated. (OHX)
21:40	--	Spring Hill	Maury	35.74	-86.92	Facebook photos showed a couple of trees were blown down around Spring Hill. (OHX)
21:49	--	1 W Dickson	Dickson	36.08	-87.39	Severe thunderstorm winds downed numerous trees across Dickson County. Time estimated via radar. (OHX)
21:56	--	1 WNW Spring Hill	Maury	35.75	-86.94	Severe thunderstorm winds damaged the roof of a Shell Gas Station along Main Street in Spring Hill. Part of the roof fell on a car that was parked at a gas pump. No inj (OHX)
22:40	--	Hohenwald	Lewis	35.55	-87.56	Facebook photo showed large oak tree down on home in Hohenwald. (OHX)
23:15	--	Clifton	Wayne	35.38	-87.99	Facebook photo showed a tree down on a house in Clifton. (OHX)

CPC Outlooks for the Next Month:

The NOAA Climate Prediction Center outlooks for September show that West and Middle Tennessee will likely see above normal temperatures while East Tennessee is also leaning towards a warmer than normal September, but with slightly lower confidence in the outlook. All of Tennessee is shown with equal chances of a wetter, drier, or near normal month in terms of September precipitation.

