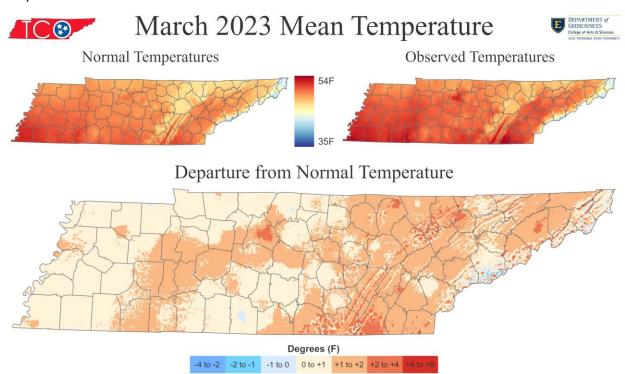
March 2023 Tennessee State Climate Summary

Tennessee Climate Office * East Tennessee State University
Prepared by William Tollefson and Dr. Andrew Joyner
With contributions by <u>Climate Data Representatives</u> across the state

Monthly Temperature Summary:

Average monthly temperatures for March 2023 were close to the NOAA 1991-2020 30-year climate normals for March, with most of the state recording mean temperatures that were 0-2°F warmer than normal, with a general increase in above average temperatures from west to east across the state. These close to normal temperatures were largely a balance between much warmer than normal weeks the first and last weeks of the month, and a strong cold spell in the middle of the month. Temperatures across the state ranged from a low of 1°F at Mt. LeConte on the 20th to a high of 84°F at Savannah and Shiloh National Military Park on the 25th and 26th, respectively. These major temperature swings are pretty normal for this time of the year as we transition from winter into spring. Looking at weather stations with at least a 30-year reporting history, there were 22 daily record highs and 31 record-warm low temperatures recorded during the month of March 2023. On the cold side of the record books, there were 35 daily record low temperatures and 20 record-cool high temperatures set this month. However, there were no monthly temperature records set in Tennessee this month.



Stations with the highest mean temperature

Station Name	Station Type	Mean Temperature (F)
MEMPHIS INTERNATIONAL AP	WBAN	55.1
CHATTANOOGA AP	WBAN	54.9
SAVANNAH 6 SW	COOP	54.2
SHILOH NMP TENNESSEE	RAWS	54.2
FAYETTEVILLE WATER PLANT	COOP	52.8

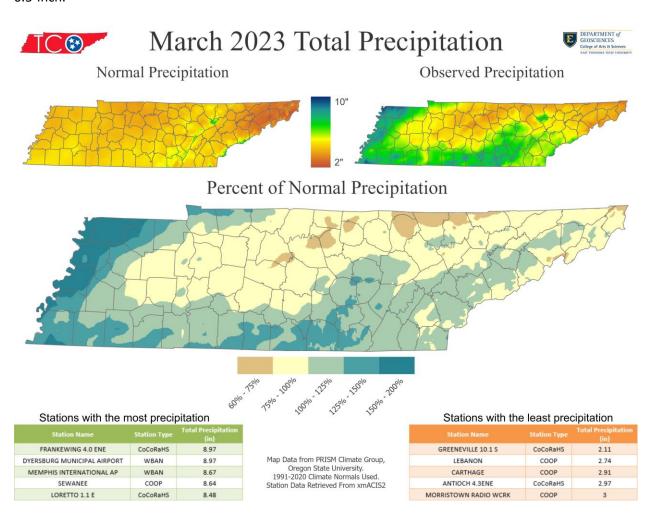
Map Data from PRISM Climate Group, Oregon State University. 1991-2020 Climate Normals Used. Station Data Retrieved From xmACIS2.

Stations with the lowest mean temperature

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	COOP	34.2
NEWFOUND GAP	COOP	40.4
ROAN MOUNTAIN 3SW	COOP	43.6
MOUNTAIN CITY 2	COOP	43.8
CDOSSVILLE EVD STN	COOR	45.0

Monthly Precipitation Summary:

Total precipitation for March varied across the state, with most of West Tennessee, southern parts of Middle Tennessee and the Cumberland Plateau, and most of the Tennessee Valley in East Tennessee recording above average precipitation. However, northern parts of Middle Tennessee and the Cumberland Plateau and the East Tennessee mountains recorded below normal precipitation. Areas that recorded above normal precipitation for the month saw heavy rains in the first and last weeks of the month. From the 1st to the 7th the western-most counties in Tennessee recorded 2-4-inches of rain, which was 2-3-times more than normal, with similar amounts in northwestern Tennessee in the last week of the month. At weather stations/rain gauges with at least a 30-year reporting history, there were 26 daily records for highest 1-day rainfall this month. There were a few days with snow showers during March, mostly in the middle of the month, and several weather stations reported a trace of snow (less than 0.1-inches), but only the Mt LeConte COOP weather station reported measurable snowfall. Mt LeConte reported a total of 2.5-inches of snowfall over the month, but the highest one-day accumulation was only 0.5-inch.



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:

6	Temperatures (°F)								Precipitation (inches)		
Station Name		Averages			Extremes				Totals		
Ivallie	Max	Min	Mean	Depart	High	Date	Low	Date	Obs	Depart	%Norm
Memphis	63.7	46.4	55.1	+0.9	79	3/26	25	3/20	8.67	+2.93	151%
Jackson	62.4	40.5	51.6	+0.7	79	3/26	17	3/20	4.74	-0.81	85%
Clarksville	61.5	39.1	50.3	+1.4	81	3/6	20	3/20	6.93	+2.61	160%
Nashville	63.5	41.5	52.5	+1	80	3/6	21	3/20	3.34	-1.18	74%
Chattanooga	66.4	43.4	54.9	+1.7	83	3/23	26	3/20	5.38	+0.04	101%
Crossville	58.7	36.4	47.5	+1.5	76	3/23	14	3/20	5.25	-0.19	97%
Knoxville	63.2	41.1	52.1	+1.5	79	3/24	23	3/20	5.61	+0.72	115%
Bristol	61.4	36.5	49.0	+1.6	82	3/24	17	3/20	3.72	-0.24	94%

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
SAVANNAH 6 SW	СООР	84	25
SHILOH NMP TENNESSEE	RAWS	84	26
MOUSETAIL LANDING STATE PARK	СООР	83	27
CHATTANOOGA AP	WBAN	83	23
ELIZABETHTON	СООР	82	25
GAINESBORO	СООР	82	2
AMES PLANTATION	СООР	82	27
WAYNESBORO	СООР	82	27
JACKSON EXP STA	СООР	82	27
MEMPHIS WFO	WBAN	82	27
BRISTOL AP	WBAN	82	24

Seven stations tied for the 5th hottest temperature (82°F)

Coldest Stations (lowest minimum temperature)

Station Name	Station Type	Lowest Temperature (F)	Date
MT LECONTE	СООР	1	20
PICKETT STATE PARK	СООР	7	20
NEWFOUND GAP	СООР	8	20
BIG SOUTH TENNESSEE	RAWS	11	20
MOUNTAIN CITY 2	СООР	12	21
COALMONT	СООР	12	21
CROSSVILLE AREA OFFICE TENNESS	RAWS	12	20
TAZEWELL	СООР	13	20
ONEIDA	СООР	13	21
FALL CREEK FALLS SP	СООР	13	20
ROAN MOUNTAIN 3SW	СООР	13	21

Four stations tied for the 8th coldest temperature (13°F)

Warmest Stations (highest mean temperatures)

warmest stations (nighest mean temperatures)								
Station Name	Station Type	Mean Temperature (F)						
MEMPHIS INTERNATIONAL AP	WBAN	55.1						
CHATTANOOGA AP	WBAN	54.9						
SAVANNAH 6 SW	COOP	54.2						
SHILOH NMP TENNESSEE	RAWS	54.2						
FAYETTEVILLE WATER PLANT	COOP	52.8						
MEMPHIS WFO	WBAN	52.6						
NASHVILLE INTL AP	WBAN	52.5						
JACKSON EXP STA	СООР	52.3						
AMES PLANTATION	COOP	52.2						
MOUSETAIL LANDING STATE PARK	COOP	52.2						
LEWISBURG TOWER TENNESSEE	RAWS	52.2						

Three stations tied for the 9th warmest mean temperature (52.2°F)

Coolest Stations (lowest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	СООР	34.2
NEWFOUND GAP	СООР	40.4
ROAN MOUNTAIN 3SW	СООР	43.6
MOUNTAIN CITY 2	СООР	43.8
CROSSVILLE EXP STN	СООР	45.8
CROSSVILLE 7 NW	WBAN	45.9
ONEIDA	СООР	46.2
ERWIN 1 W	СООР	46.7
TAZEWELL	СООР	46.9
COALMONT	СООР	47.1

Wettest Stations (highest precipitation totals):

Trettest stations (ingliest presipitation totals).							
Station Name	Station Type	Total Precipitation (in)					
FRANKEWING 4.0 ENE	CoCoRaHS	8.97					
DYERSBURG MUNICIPAL AIRPORT	WBAN	8.97					
MEMPHIS INTERNATIONAL AP	WBAN	8.67					
SEWANEE	СООР	8.64					
LORETTO 1.1 E	CoCoRaHS	8.48					
LYNCHBURG	СООР	8.43					
TULLAHOMA	СООР	8.36					
JASPER 1.7 N	CoCoRaHS	8.34					
BARTLETT 3.1 NNE	CoCoRaHS	8.27					
MONTEAGLE	WBAN	8.1					

Driest Stations (lowest precipitation totals):

Station Name	Station Type	Total Precipitation (in)
GREENEVILLE 10.1 S	CoCoRaHS	2.11
LEBANON	СООР	2.74
CARTHAGE	СООР	2.91
ANTIOCH 4.3ENE	CoCoRaHS	2.97
MORRISTOWN RADIO WCRK	СООР	3
FRIENDSVILLE 2.3 ESE	CoCoRaHS	3.02
MOUNT JULIET 5.2 SSW	CoCoRaHS	3.1
NASHVILLE BERRY FIELD	СООР	3.14
MORRISTOWN WFO	СООР	3.17
CARTHAGE 2.8 WSW	CoCoRaHS	3.19

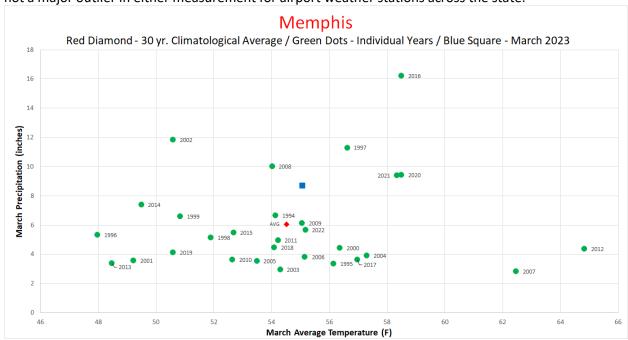
Snowiest Stations (highest snowfall accumulations)

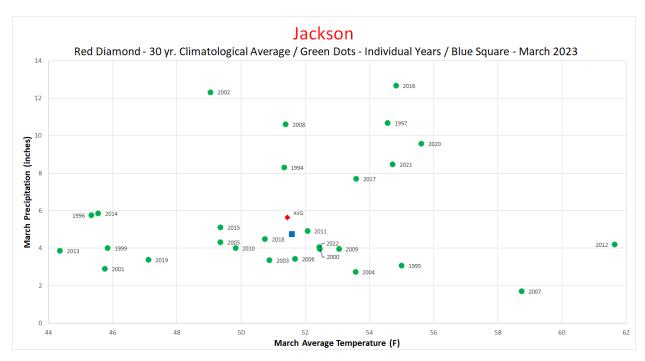
Name	Station Type	Total Snowfall (in)
MT LECONTE	СООР	2.5

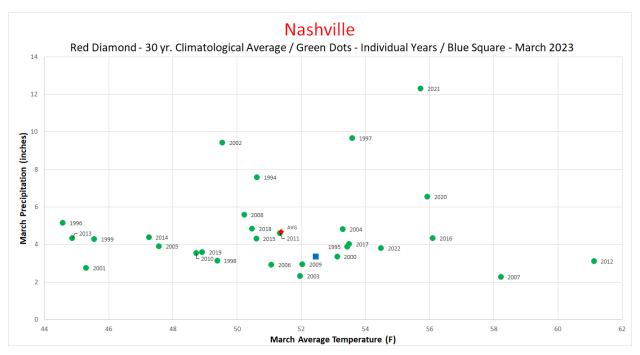
37 of 339 stations in the state reported a trace (<0.1") of snow this month.

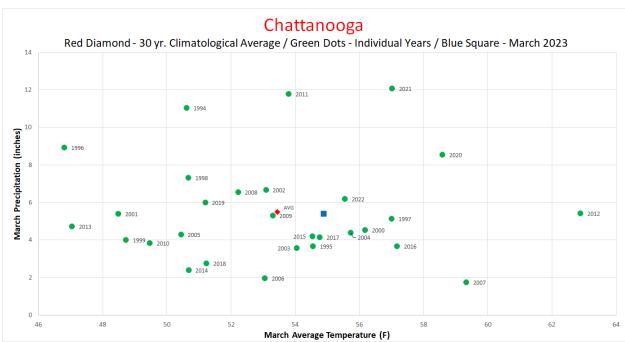
The Month in Comparison:

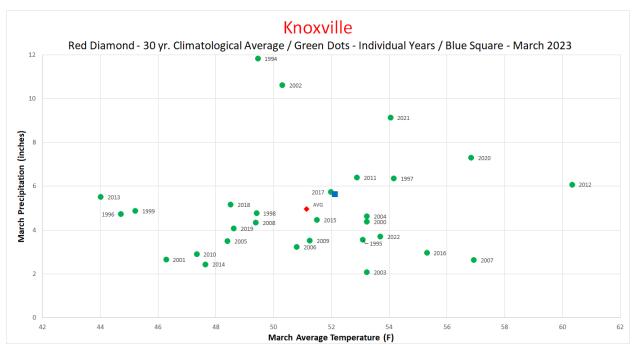
Most weather stations across the state recorded near normal temperatures and precipitation, and compared to the mean temperatures and total precipitation for March over the past 30-years, 2023 was not a major outlier in either measurement for airport weather stations across the state.

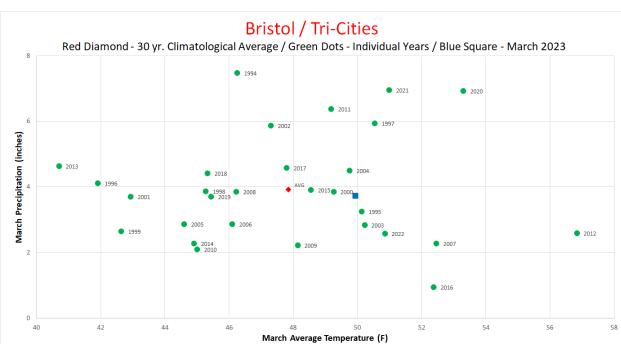






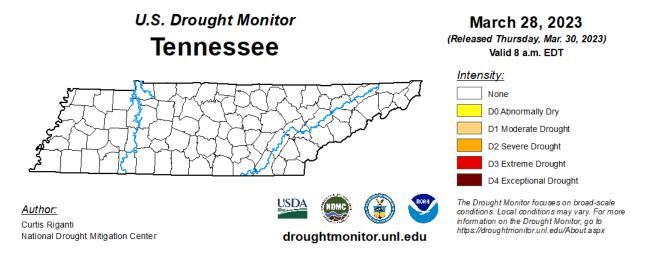






Drought Monitor:

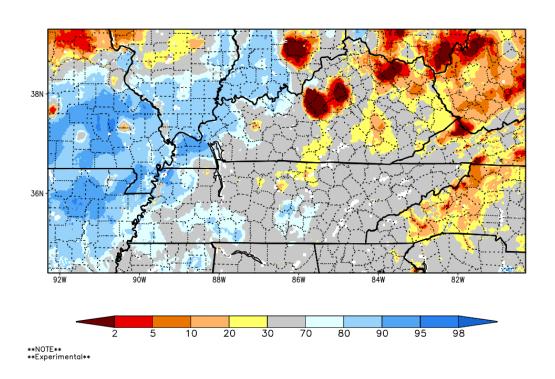
Tennessee remained clear of drought or abnormally dry conditions on the US Drought Monitor throughout the month of March.



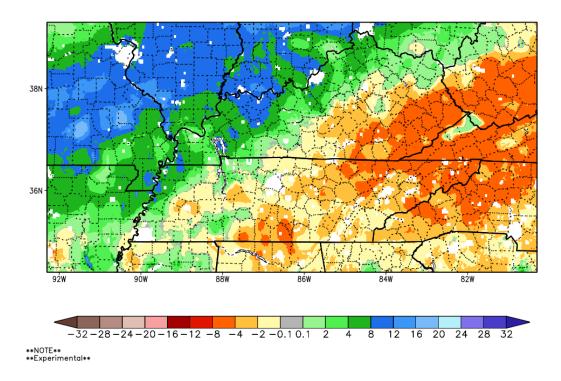
Soil Moisture:

The NASA SPORT Land Information System shows that most of the state had normal or above normal soil moisture levels at the end of March, with most above normal levels occurring in West Tennessee where the heaviest rainfall occurred. Most of East and Middle Tennessee saw a decrease in soil moisture levels of 2-8 percentiles during March. The USDA Monthly Crop Report for March was released on March 28 and rated topsoil moisture 1% short, 61% adequate, and 38% surplus, while subsoil moisture was rated as 2% short, 70% adequate, and 28% surplus.





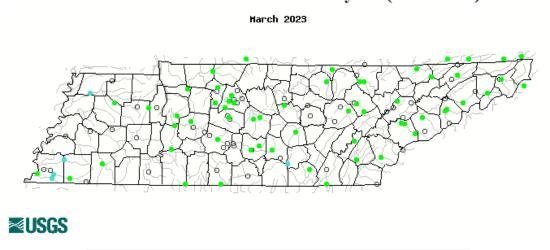
1-Month Difference in Column Relative Soil Moisture (%) valid 12z 31 Mar 2023



Streamflow:

Average streamflow for March 2023 was in the normal range for most areas of the state, with a few stream gauges in West Tennessee in the Above Normal range.

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



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

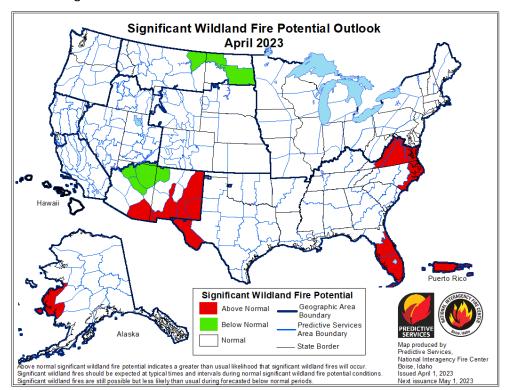
Miscellaneous:

Crop Conditions from USDA: Heavy rainfall in parts of the state led to flooding that negatively impacted winter wheat fields, and other wheat stands did not recover from the extreme freeze of December 2022. However, 62% of the winter wheat crop was in Good or Excellent condition. Warmer weather has brought new growth to pastures providing relief for livestock producers since hay prices remain high and 40% of the state was either short or very short on hay and roughage supplies at the end of the month. Some producers have started fertilizing hay and pasture fields while others are beginning to prepare fields for the upcoming corn and soybean season.

Crop/Cattle conditions from the USDA Crop Progress monthly report

	Excellent	Good	Fair	Poor	Very Poor
Winter Wheat	8%	54%	25%	9%	4%
Pasture & Range	3%	38%	40%	15%	4%
Cattle	6%	57%	31%	5%	1%

Fire Danger: The National Interagency Fire Center outlook for April shows that all of Tennessee will have normal potential for significant wildland fires.

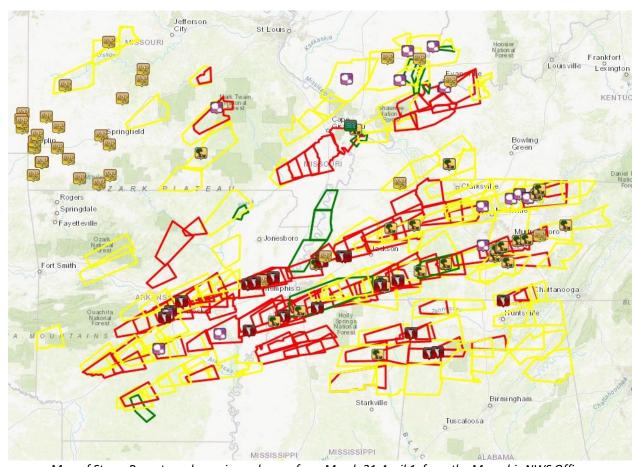


Snow: Mt. LeConte was the only weather station in Tennessee that reported measurable snowfall this month, with a total of 2.5-inches for the month, with the highest single-day accumulation being 0.5-inch reported on March 19. However, 37 other stations reported a trace of snow during March, reported on the 14th, 15th, or from the 19th to 22nd.

Spring Greenup: Many trees and shrubs had entered into the spring greenup in February with first leaf and first blooms occuring. A strong cold spell in the middle of March slowed the progression of the greenup, and did some leaf/blossom damage to vegetation.

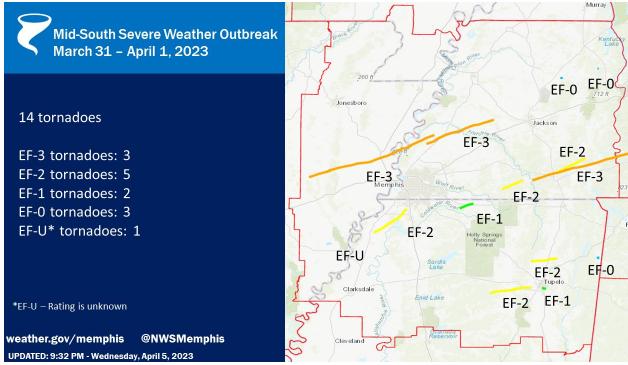
Story of the Month:

The major weather/climate story for March 2023 was the severe storm and tornado outbreak of March 31 – April 1 which caused 13 fatalities and several dozen injuries in Tennessee. This was the largest tornado outbreak to impact the country since December 2021, and tornadoes were reported in Tennessee, Arkansas, Mississippi, Alabama, Georgia, as well as the midwestern states of Iowa, Wisconsin, Illinois, Indiana, and Ohio. Early in the afternoon of March 31, the NOAA Storm Prediction Center issued a rare High-Risk outlook for severe storms, this was the first High-Risk outlook issued since March of 2021. Tornadoes, severe thunderstorm winds, and large hail were reported across West and Middle Tennessee late on March 31 into the morning hours of April 1. There were four EF-3 tornadoes, three EF-2 tornadoes, two EF-1 tornadoes, and two EF-0 tornadoes impacting Tennessee with this system along with 36 reports of severe wind damage and 9 reports of severe hail (1-inch in diameter or larger).

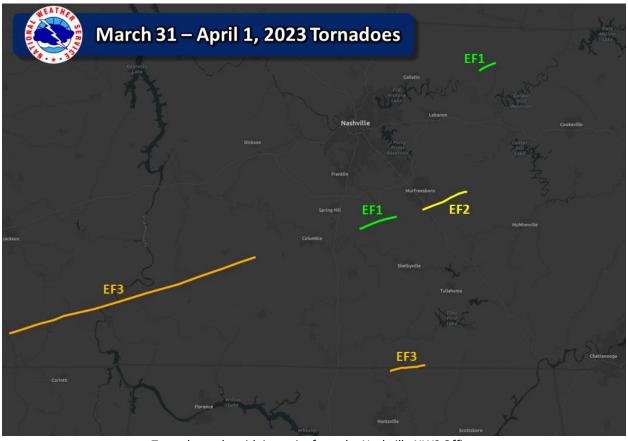


Map of Storm Reports and warning polygons from March 31-April 1, from the Memphis NWS Office.

The Covington tornado in West Tennessee was an EF-3 tornado that was on the ground from 5:58pm until 6:29pm (CDT) on March 31; this tornado killed one person and injured 28 along its 39.5-mile path going through parts of Tipton, Lauderdale, and Haywood counties. The second killer tornado occurred farther east in West Tennesee and continued into Middle Tennessee, it started at 11:04pm (CDT) on March 31 and ended at 12:37am (CDT) on April 1, with an 85.9-mile path through Hardeman, McNairy, Hardin, Wayne, and Lewis counties. This tornado killed 9 people and injured 23 others. A third EF-3 tornado started in Alabama and crossed into southern Middle Tennessee in Lincoln County from 3:09-3:25am (CDT) on April 1, and was responisble for 1 death and 5 injuries.



Tornado tracks with intensity from the Memphis NWS Office.



Tornado tracks with intensity from the Nashville NWS Office.

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 four days with severe storm reports during March 2023, with a total of 16 reported tornadoes (although multiple tornado reports may represent one long-track tornado on March 31-April 1), 116 reports of severe wind damage, and 9 reports of severe hail (with a diameter of 1" or larger). Sadly, there were 13 fatalities and 33 injuries caused by severe storms in Tennessee this month.

March 1



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
6:11		5 NE HALETOWN (GUILD)	MARION	35.08	-85.48	CORRECTS PREVIOUS TSTM WND DMG REPORT FROM 5 NE HALETOWN (GUILD). A FEW TREES DOWN ALONG MULLINS COVE ROAD. TIME AND LOCATION ESTIMATED BY RADAR. (MRX)
6:11		4 NNE HALETOWN (GUILD)	MARION	35.08	-85.51	MULTIPLE PHOTOS OF A ROOF BLOWN OFF A HOUSE WITH PIECES OF IT IN THE WOODS OVER 100 YARDS FROM THE STRUCTURE. POSSIBLE TORNADO BASED ON INDICATIONS FROM RADAR DATA. (MRX)
6:16		5 WSW SIGNAL MOUNTAIN	MARION	35.1	-85.43	CORRECTS PREVIOUS TSTM WND DMG REPORT FROM 5 WSW SIGNAL MOUNTAIN. TREES DOWN IN PRENTICE COOPER STATE FOREST. A SWATH OF TREES CAME DOWN IN THIS AREA OF ABOUT 100 YARDS (MRX)
6:48		SODDY-DAISY	HAMILTON	35.26	-85.17	LARGE TREE DOWN ACROSS ROAD. (MRX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
6:50		4 SSW BIRCHWOOD	HAMILTON	35.31	-85.03	TREES AND POWER LINES DOWN NEAR INTERSECTION OF GRASSHOPPER ROAD AND BIRCHWOOD PIKE HIGHWAY 605. ALSO MINOR BUILDING DAMAGE. OTHER DAMAGE ON DOLLY POND ROAD. TIME ES (MRX)
6:52		3 W GEORGETOWN	HAMILTON	35.29	-84.99	TREE DOWN AT CRANFIELD ROAD AND GRASSHOPPER ROAD. FROM SOCIAL MEDIA PICTURE. TIME ESTIMATED BY RADAR. (MRX)
6:53		3 W GEORGETOWN	HAMILTON	35.29	-84.99	HOMES DAMAGED ROOF BLOWN OFF A BARN TREES AND POWER LINES DOWN. POSSIBLE TORNADO. PUBLIC REPORT ON CRANFIELD ROAD. (MRX)
7:11		5 NE HALETOWN (GUILD)	MARION	35.08	-85.48	A FEW TREES DOWN ALONG MULLINS COVE ROAD. TIME AND LOCATION ESTIMATED BY RADAR. (MRX)
7:16		5 WSW SIGNAL MOUNTAIN	MARION	35.1	-85.43	TREES DOWN IN PRENTICE COOPER STATE FOREST. A SWATH OF TREES CAME DOWN IN THIS AREA OF ABOUT 100 YARDS WIDE AND 500 YARDS LONG. TIME ESTIMATED BY RADAR. (MRX)

March 3



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
16:04		3 ESE LAWRENCEBURG	LAWRENCE	35.23	-87.3	CORRECTS PREVIOUS NON-TSTM WND DMG REPORT FROM 3 ESE LAWRENCEBURG. POWER POLE DOWN ON QUAIL DRIVE 3 MILES EAST OF LAWRENCEBURG. (OHX)
16:51		1 E BEMIS	MADISON	35.58	-88.81	REPORT FROM MPING: 3-INCH TREE LIMBS BROKEN; POWER POLES BROKEN. (MEG)
17:02		1 SW PULASKI	GILES	35.18	-87.05	ROOF DAMAGE TO A METAL BUILDING. (OHX)
17:12		7 WSW ELKTON	GILES	35.01	-87.01	REPORT FROM MPING: TREE LIMBS AND POWER POLES BROKEN. RADAR VERIFIED AT 11:12AM. (OHX)
17:24		1 W NASHVILLE	DAVIDSON	36.17	-86.81	STRUCTURE COLLAPSE CALLED IN. TREE FALLEN STRAIGHT THROUGH HOME. VERIFIED ON RADAR AT 11:24AM. (OHX)
17:36		4 SW CORNERSVILLE	MARSHALL	35.31	-86.88	CORRECTS PREVIOUS NON-TSTM WND DMG REPORT FROM 4 SW CORNERSVILLE. REPORT FROM MPING: TREES UPROOTED AND SNAPPED. (OHX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
17:37		GOODLETTSVILLE	DAVIDSON	36.32	-86.71	POWERLINES DOWN AND DANGLING ALL THROUGHOUT THE CITY. RADAR VERIFIED STORM AT 11:37AM WAS SEVERE WARNED. (OHX)
17:37		GOODLETTSVILLE	SUMNER	36.34	-86.71	MEDIUM-SIZED TREE DOWN NEAR CHURCH PARKING LOT BLOCKING SIDE ROAD. RADAR VERIFIED 11:37AM. (OHX)
17:53		2 ENE SMYRNA	RUTHERFORD	35.99	-86.48	METAL PART OF A ROOF BECAME UNATTACHED DURING A STRONG WINDSTORM. (OHX)
18:10	58	8 SE BRADYVILLE	CANNON	35.67	-86.06	CORRECTS PREVIOUS NON-TSTM WND GST REPORT FROM 8 SE BRADYVILLE. MESONET STATION FW5931 BRADYVILLE. (OHX)
18:30		2 E SOUTH PITTSBURG	MARION	35.01	-85.68	TREE ACROSS LONG ISLAND ROAD IN NEW HOPE TN. LOCATION ESTIMATED. (MRX)
18:35		8 SW DICKSON	DICKSON	35.99	-87.47	TREE DOWN BLOCKING THE ROAD AT INTERSECTION OF FLORENCE RD. AND OLD JEFFERSON PIKE. (OHX)
18:40		1 SE GRIFFITH CREEK	MARION	35.28	-85.54	TREES DOWN ON TOP OF WHITWELL MOUNTAIN. ALONG HWY 108. LOCATION APPROXIMATE. TIME ESTIMATED FROM RADAR. (MRX)
18:50		DUNLAP	SEQUATCHIE	35.37	-85.39	TREES DOWN IN DUNLAP AND MULTIPLE LOCATIONS WESTERN PART OF THE COUNTY. (MRX)
19:00		2 ESE JASPER	MARION	35.05	-85.59	POWERLINES DOWN BLOCKING HIGHWAY 41 IN JASPER. (MRX)
19:00		1 NW MONTEREY	PUTNAM	36.15	-85.26	PARTIAL ROOF BLOWN OFF AND POWER IS OUT. RADAR VERIFIED AT 1PM. (OHX)
19:10		SODDY-DAISY	HAMILTON	35.26	-85.17	MULTIPLE TREES DOWN. (MRX)
19:40		3 NNE CALHOUN	MCMINN	35.34	-84.72	TREES DOWN ON HWY 11 BETWEEN RICEVILLE AND CALHOUN. (MRX)
19:45		SWEETWATER	MONROE	35.6	-84.46	MULTIPLE TREES DOWN. (MRX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
20:01		1 ESE DUCKTOWN	POLK	35.03	-84.38	LAWN FURNITURE AND UNSECURED ITEMS BLOWN AWAY BY THE WINDS. SMALL BRANCHES BREAKING FROM TREES. (MRX)
20:01		1 NW MARYVILLE	BLOUNT	35.76	-83.98	REPORT FROM MPING: TREES UPROOTED OR SNAPPED; ROOF BLOWN OFF. (MRX)
20:15		3 WNW BEARDEN	KNOX	35.95	-84.06	TREE KNOCKED DOWN POWER LINES COMPLETELY BLOCKING ROBINSON ROAD. TIME ESTIMATED BY RADAR. (MRX)
20:17		1 S VONORE	MONROE	35.58	-84.23	MULTIPLE TREES AND POWER LINES DOWN. (MRX)
20:26	68	2 N ALCOA	BLOUNT	35.82	-83.98	CORRECTS PREVIOUS TSTM WND GST REPORT FROM 2 N ALCOA. ASOS STATION KTYS KNOXVILLE MCGHEE TYSON. (MRX)
20:30		KNOXVILLE	KNOX	35.97	-83.95	WIDESPREAD TREES AND POWER LINES DOWN ACROSS THE COUNTY. (MRX)
20:40		2 ENE SEYMOUR	SEVIER	35.89	-83.74	TREE DOWN AT OLD SEVIERVILLE PIKE AND NEWELL STATION ROAD INTERSECTION ALL LANES BLOCKED. TIME ESTIMATED FROM RADAR. (MRX)
20:48		1 SSE DANDRIDGE	JEFFERSON	36.02	-83.42	TREES DOWN IN THE DANDRIDGE AREA. TIME ESTIMATED FROM RADAR. (MRX)
21:00		ALCOA	BLOUNT	35.79	-83.98	*** 1 INJ *** REPORT OF A TREE THAT FELL ON A WOMAN IN A VEHICLE AS A RESULT OF THE STORMS THAT MOVED THROUGH. SHE WAS TAKEN TO THE HOSPITAL WITH MINOR INJURIES. TIME I (MRX)
21:40		3 SSE BLOOMINGDALE	SULLIVAN	36.54	-82.48	TREE DOWN BLOCKING TRAFFIC ON HIGHWAY 126 AT ETHEL DRIVE. (MRX)
21:43		4 N SOUTH HOLSTON DAM	SULLIVAN	36.59	-82.08	MULTIPLE POWER LINES DOWN. TIME ESTIMATED BY RADAR. (MRX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
22:00		1 E BLOUNTVILLE	SULLIVAN	36.53	-82.32	MULTIPLE TREES REPORTED DOWN IN BLOUNTVILLE. (MRX)

March 24



Tornado:

TOTTIGA	ornado.								
Time (UTC)	Strength	Location	County	Lat	Lon	Comments			
1:19	EF1	2 SW HILLVILLE	HAYWOOD	35.42	-89.2	SHORT-LIVED EF-1 TORNADO UPROOTED AND/OR SNAPPED NUMEROUS TREES AND DAMAGED THE ROOFS TO TWO HOUSES A BARN AND AN OUTBUILDING NEAR JIM HARDISTER ROAD IN SOUTHEAST (MEG)			
5:05	EF2	FAYETTEVILLE	LINCOLN	35.15	-86.56	EF2 TORNADO WITH MAX WINDS 118 MPH. (HUN)			
5:24	EF1	3 SW ESTILL SPRINGS	FRANKLIN	35.23	-86.17	EF-1 TORNADO THAT MOVED THROUGH FRANKLIN COUNTY TN SOUTHWEST OF ESTILL SPRINGS. (HUN)			

Wind:

-·				1		
Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
0:39	58	4 NE WHITEHAVEN	SHELBY	35.07	-89.98	ASOS STATION KMEM MEMPHIS. (MEG)
0:40		3 ESE MIDTOWN MEMPHIS	SHELBY	35.12	-89.93	ONE LARGE TREE SNAPPED AT BASE WITH SMALLER LIMBS DOWN AROUND IT. (MEG)
1:18		3 SW HILLVILLE	HAYWOOD	35.42	-89.2	TREES DOWN ALONG HIGHWAY 179 NEAR THE INTERSECTION WITH JIM HARDISTER ROAD. (MEG)
1:58		4 NNW MIFFLIN	MADISON	35.6	-88.62	REPORTS OF TREES DOWN. (MEG)
1:58		4 SSW BLUE GOOSE	HENDERSON	35.64	-88.6	TREES DOWN AND A FENCE BLOWN DOWN. (MEG)
2:05		5 S MCLEMORESVILLE	CARROLL	35.91	-88.59	TREES DOWN AND POWER LINES ON ROAD. (MEG)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
2:24		LOBELVILLE	PERRY	35.81	-87.8	HOUSE DAMAGED AND BARN BLOWN AWAY. (OHX)
2:42		LOBELVILLE	PERRY	35.83	-87.8	TREES DOWN AND SOME DAMAGE TO SHOPS. (OHX)
3:08		DICKSON	DICKSON	36.11	-87.39	LARGE BILLBOARD AND STREET ADDRESS SIGNS BLOWN DOWN. (OHX)
3:12		4 SW CEDAR HILL	ROBERTSON	36.51	-87.06	TREE DOWN BLOCKING THE ROAD AT GLEN RAVEN ROAD AND CARR ROAD NEAR ADAMS. (OHX)
3:40		2 NNE BELLE MEADE	DAVIDSON	36.13	-86.85	LARGE TREE DOWNED AND BLOCKING THE ROAD NEAR THE INTERSECTION OF HARDING PIKE AND WHITE BRIDGE ROAD IN BELLE MEADE. TIME IS ESTIMATED BASED ON RADAR. (OHX)
3:40		4 SW CEDAR HILL	ROBERTSON	36.51	-87.06	CORRECTS PREVIOUS TSTM WND DMG REPORT FROM 4 SW CEDAR HILL. TREE DOWN BLOCKING THE ROAD AT GLEN RAVEN ROAD AND CARR ROAD NEAR ADAMS. (OHX)
3:47		NOLENSVILLE	WILLIAMSON	35.95	-86.65	CHICKEN COOP DAMAGED AND 2 LARGE TREES BLOWN DOWN ALONG BURKE HOLLOW RD. (OHX)
4:00		2 SSE SMYRNA	RUTHERFORD	35.96	-86.51	AT SMYRNA HIGH SCHOOL A LIGHT POLE ON THE VISITOR SIDE OF THE STADIUM WAS BLOWN DOWN AND DAMAGED SEVERAL CARS AT THE APARTMENTS NEXT DOOR. NOBODY WAS INJURED. (OHX)
4:00		MADISON	DAVIDSON	36.27	-86.71	LARGE CEDAR TREE BLOWN DOWN. (OHX)
4:40		7 WSW ELKTON	GILES	35.01	-87.01	THUNDERSTORM WIND DAMAGE IN GILES COUNTY INCLUDING DOWNED TREE LIMBS AND SHINGLES BLOWN OFF ROOF. (OHX)
5:00		FAYETTEVILLE	LINCOLN	35.15	-86.56	DAMAGE REPORTED AT THE HOSPITAL IN FAYETTEVILLE. MULTIPLE TREES REPORTED DOWN AS WELL. POSSIBLE TORNADO. (HUN)
5:45		5 WNW MONTEAGLE	GRUNDY	35.28	-85.91	NUMEROUS TREES WERE BLOWN DOWN AND SOME WERE UPROOTED. MINOR DAMAGE TO ROOFS AND FENCES ALSO OCCURRED ALONG PROVIDENCE ROAD IN PELHAM. (OHX)
6:15		1 NNE CARTWRIGHT	SEQUATCHIE	35.29	-85.45	COUNTY DISPATCH REPORTS MULTIPLE TREES DOWN THROUGHOUT THE COUNTY WITH A CONCENTRATION ALONG AND NEAR STATE ROUTE 28. TIME ESTIMATED BY RADAR. (MRX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
6:25		2 SW PIKEVILLE	BLEDSOE	35.58	-85.22	COUNTY DISPATCH REPORTS POWER LINES DOWN AND TREE BRANCHES DOWN NEAR BLEDSOE COUNTY MIDDLE SCHOOL. TIME ESTIMATED BY RADAR. (MRX)
6:27		5 S JASPER	MARION	34.99	-85.63	LARGE TREES BLOWN OVER AROUND THE LAKEVIEW DRIVE AREA. (MRX)
6:48		RED BANK	HAMILTON	35.11	-85.29	TREES AND POWER LINES DOWN ON REDDING ROAD ALSO BERKELEY DRIVE IN RED BANK WITH TREES BLOCKING THAT ROAD. TREE BLOCKING HUNTER TRAIL 2 MILES NE OF RED BANK. SEVERAL (MRX)
6:54	59	3 WNW TEN MILE	MEIGS	35.68	-84.71	REPORT FROM COCORAHS OBSERVER MS-1 NEAR TEN MILE. TIME ESTIMATED FROM RADAR. (MRX)
6:55		1 W ROCKWOOD	ROANE	35.88	-84.69	POWER POLE BROKEN IN TWO WITH POWER LINES DOWN. TIME ESTIMATED BY RADAR. (MRX)
6:56	65	4 ESE CHATTANOOGA	HAMILTON	35.04	-85.2	CHATTANOOGA ASOS RECORDED A 65 MPH WIND GUST. (MRX)
7:15	63	2 N CLEVELAND	BRADLEY	35.21	-84.87	A TRAINED SPOTTER RECORDED A 63 MPH WIND GUST ALONG THE PAUL HUFF PARKWAY IN CLEVELAND TN. (MRX)
7:25		4 WSW CLINTON	ANDERSON	36.07	-84.2	COUNTY DISPATCH REPORTS LOTS OF TREES DOWN COUNTY WIDE. (MRX)
7:30		ETOWAH	MCMINN	35.33	-84.53	COUNTY DISPATCH REPORTS POWER LINES DOWN IN ETOWAH CITY. TIME ESTIMATED BY RADAR. (MRX)
7:43	74	EAGLETON VILLAGE	BLOUNT	35.8	-83.93	TRAINED SPOTTER MEASURED A 74 MPH WIND GUST. (MRX)
7:45		1 SE DUCKTOWN	POLK	35.03	-84.38	COUNTY DISPATCH REPORTS TREES DOWN COUNTY WIDE. TIME ESTIMATE FROM RADAR. (MRX)
7:50		BLAINE	GRAINGER	36.16	-83.7	COUNTY DISPATCH REPORTS A TREE DOWN IN BLAINE. TIME ESTIMATED BY RADAR. (MRX)
8:10		PIGEON FORGE	SEVIER	35.79	-83.54	COUNTY DISPATCH REPORTS TREES DOWN IN SEVERAL LOCATIONS COUNTY WIDE. TIME ESTIMATED BY RADAR. (MRX)
8:15		BEAN STATION	GRAINGER	36.34	-83.29	COUNTY DISPATCH REPORTS A TREE DOWN IN BEAN STATION. TIME ESTIMATED BY RADAR. (MRX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
8:30		2 W ROMEO	GREENE	36.29	-82.97	COUNTY DISPATCH REPORTED LARGE TREE DOWN ON GAP CREEK ROAD AS WELL AS MULTIPLE TREES DOWN IN THE COUNTY. POWER COMPANY HAD REPORTED POWER OUTAGES TO DISPATCH. (MRX)
8:35		DEL RIO	COCKE	35.92	-83.01	COUNTY DISPATCH REPORTS MULTIPLE TREES DOWN LOCATED ACROSS THE COUNTY. (MRX)
8:39	67	1 S CHURCH HILL	HAWKINS	36.51	-82.71	TRAINED SPOTTER REPORTS A MEASURED 67 MPH GUST ON A HOME WEATHER STATION. (MRX)
8:40		4 N CEDAR CREEK	GREENE	36.09	-82.9	TREES DOWN AND MINOR PROPERTY DAMAGE DUE TO SEVERE WINDS. (MRX)
9:00	85	3 ESE WEARS VALLEY	SEVIER	35.7	-83.61	REPORTED FROM COVE MOUNTAIN WIND TOWER. (MRX)
9:15		UNICOI	UNICOI	36.2	-82.35	COUNTY DISPATCH REPORTS TREE ON HOUSE ON GARFIELD STREET IN UNICOI. TIME ESTIMATED BY RADAR. (MRX)
9:30		4 NE DOEVILLE	JOHNSON	36.43	-81.93	COUNTY DISPATCH REPORTED A TREE DOWN ALONG HIGHWAY 67W. TIME ESTIMATED BY RADAR. (MRX)

31 March



Tornado:

TOTTIGA	omado.									
Time (UTC)	Strength	Location	County	Lat	Lon	Comments				
23:05	EF3	COVINGTON	TIPTON	35.57	-89.65	*** 1 FATAL 28 INJ *** EF-3. (MEG)				
23:12		COVINGTON	TIPTON	35.57	-89.65	POWER LINES AND TREES DOWN ON HIGHWAY 51 SOUTH OF COVINGTON BLOCKING THE ROAD. (MEG)				

Time (UTC)	Strength	Location County Lat		Lat	Lon	Comments	
23:28		4W BROWNSVILLE	HAYWOOD	35.59	-89.25	CORRECTS PREVIOUS TORNADO REPORT FROM BROWNSVILLE. A ROOF WAS BLOWN OFF A TRAILER ON PEPPER LANE IN BROWNSVILLE. SOME DEBRIS IS ON THE ROAD AND IN THE TREES. (MEG)	
3:19		3 ENE PARIS	HENRY	36.31	-88.26	TREES AND POWER POLES DOWN AT GREEN HILLS ESTATE AND HWY 218. TIME ESTIMATED BY RADAR. (MEG)	
4:22	2 EF2 4 SW BETHEL SPRINGS		MCNAIRY	35.19	-88.66	CORRECTS PREVIOUS TORNADO REPORT FROM 4 SW BETHEL SPRINGS. POWER LINES KNOCKED DOWN AND GUARDRAILS THROWN IN THE ROAD. NUMEROUS TREES ARE DOWN CLOSE TO SKY BLUE LANE. (MEG)	
4:25		2 WSW PICKWICK DAM	HARDIN	35.03	-88.28	(MEG)	
4:35		2 NE ADAMSVILLE	HARDIN	35.26	-88.36	ONE HOUSE NEAR ADAMSVILLE HAD ITS ROOF TORN OFF. (MEG)	
4:35	EF3	2 N ADAMSVILLE	MCNAIRY	35.26	-88.39	*** 9 FATAL *** ADAMSVILLE TN TORNADO EF-3. (MEG)	
4:56	EF3	2 SSW CLIFTON	WAYNE	35.35	-88.01	*** 2 INJ *** THIS LONG-TRACK TORNADO ENTERED WAYNE COUNTY AROUND 2 MILES SOUTH OF CLIFTON AND CONTINUED NORTHEAST PASSING ACROSS HIGHWAY 641 NEAR TOM HOLT ROAD WHER (OHX)	
5:53	EF1	7 ENE HARTSVILLE	TROUSDALE	36.42	-86.05	THIS EF1 TORNADO TOUCHED DOWN ABOUT 100 YARDS SOUTHWEST OF PUMPKIN BRANCH ROAD IN TROUSDALE COUNTY. DAMAGES FOUND AS IT TRAVELED NORTHEAST INTO MACON COUNTY WERE PRIMAR (OHX)	
6:16	EF1	4 NW CHAPEL HILL	MARSHALL	35.66	-86.75	THIS EF1 TORNADO TOUCHED DOWN 4 MILES NORTHWEST OF CHAPEL HILL NEAR MOSS ROAD IN NORTHERN MARSHALL COUNTY. MOVING NORTHEAST THE TORNADO BLEW DOWN SEVERE TREES AND CA (OHX)	
6:41	EF2	7 S MURFREESBORO	RUTHERFORD	35.76	-86.38	*** 2 INJ *** CORRECTS PREVIOUS TORNADO REPORT FROM 7 S MURFREESBORO. THIS STRONG EF2 TORNADO TOUCHED DOWN 6 MILES SOUTH OF DOWNTOWN MURFREESBORO NEAR COUNTY FARM ROAD. (OHX)	

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
8:17	EF3	11 SSE FAYETTEVILLE	LINCOLN	34.99	-86.49	A NATIONAL WEATHER SERVICE AND LINCOLN COUNTY EMA DAMAGE ASSESSMENT TEAM FOUND EVIDENCE OF AN EF3 TORNADO IN SOUTHEASTERN LINCOLN COUNTY. (HUN)

Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
23:00		BRIGHTON	TIPTON	35.48	-89.74	LARGE TREES DOWN NEAR AKINS STORE ROAD AND HIGHWAY 51. (MEG)
23:19	63	4 ENE COVINGTON	TIPTON	35.59	-89.59	MESONET STATION TT531 COVINGTON. (MEG)
1:47		5 SW HUNTINGDON	CARROLL	35.97	-88.48	REPORT FROM MPING: 3-INCH TREE LIMBS BROKEN; POWER POLES BROKEN. (MEG)
2:40		1 W BETHEL SPRINGS	MCNAIRY	35.24	-88.63	REPORTS OF DAMAGE ON BUENA VISTA ROAD. (MEG)
2:55		2 NNW SOUTHEAST MEMPHIS	SHELBY	35.09	-89.89	LARGE OAK TREE UPROOTED AND FELL ON HOUSE. (MEG)
2:56		SELMER	MCNAIRY	35.17	-88.59	TREES DOWN NEAR THE INTERSECTION OF DOWTY ROAD AND PEACH STREET ON THE NORTH SIDE OF SELMER. (MEG)
3:00		4 WSW SOUTHEAST MEMPHIS	SHELBY	35.05	-89.96	*** 3 FATAL *** SEVERAL TREES WERE BLOWN DOWN ON TOP OF SEVERAL HOUSES ON SOUTH EDGEWARE ROAD IN MEMPHIS. ONE ADULT AND TWO CHILDREN WERE FOUND DEAD IN ONE OF THESE HOU (MEG)
4:18		3 SSE CAMDEN	BENTON	36.02	-88.09	TREES UPROOTED OR SNAPPED; ROOF BLOWN OFF. (MEG)
4:53		CLIFTON	WAYNE	35.38	-87.99	TREES AND POWER LINES DOWN ALONG HWY 128 JUST SOUTH OF BRYANT LN. (OHX)
5:16		2 NW SOUTHEAST MEMPHIS	SHELBY	35.09	-89.9	TREES UPROOTED OR SNAPPED; ROOF BLOWN OFF. (MEG)
5:20		5 S HOHENWALD	LEWIS	35.48	-87.56	*** TORNADO POSSIBLE *** TREES AND LINES DOWN ROAD IMPASSIBLE AND HEAVY RESIDENTIAL STRUCTURAL DAMAGE ALONG JAMES WHITEHEAD RD. IN GRINDERS CREEK. (OHX)
5:45		HARTSVILLE	TROUSDALE	36.39	-86.16	TREES DOWN IN DOWNTOWN HARTSVILLE AT HAYES ST./RODGERS ST. (OHX)
5:55		6 S LAFAYETTE	MACON	36.43	-86.02	ROOF OF HOME COLLAPSED AND TREES DOWN ON ROSE LANE. POSSIBLE TORNADO. (OHX)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
6:19		3 SSW CHAPEL HILL	MARSHALL	35.59	-86.72	*** TORNADO POSSIBLE *** POWER LINES DOWN CARPORT AND FENCING MANGLED BUILDING DEBRIS IN ROAD ON BEASLEY RD NEAR TENNESSEE CENTRAL RD (TWITTER REPORT). (OHX)
6:21		COWAN	FRANKLIN	35.16	-86.02	A LARGE TREE WAS BLOWN DOWN ON JACKSON STREET. (HUN)
6:25		3 SE EAGLEVILLE	RUTHERFORD	35.71	-86.61	SEVERAL TREES DOWN NEAR 10800 BLOCK OF BUNKER HILL ROAD IN ROCKVALE TN. (OHX)
6:39		4 WNW SHELBYVILLE	BEDFORD	35.51	-86.51	TREE REPORTEDLY FELL THROUGH HOUSE ON TROUPE ROAD. (OHX)
6:42		5 SE MURFREESBORO	RUTHERFORD	35.8	-86.33	TREES DOWN ON MULTIPLE LOCATIONS: ELAM RD BIVENS HILL RD AND 9951 JOHN BRAGG HWY. (OHX)
7:09	63	6 ENE WOODBURY	CANNON	35.87	-85.97	MESONET STATION AV589 SHORT MOUNTAIN. (OHX)
7:20		4 E SMITHVILLE	DE KALB	35.95	-85.76	DAMAGE REPORTED EAST OF SMITHVILLE OFF OF HIGHWAY 70 INCLUDED DOWNED AND UPROOTED TREES ROOF DAMAGE SIDING PEELED OFF A BARN AND BUSTED WINDOWS. TIME ESTIMATED (OHX)
7:30		10 S SPENCER	VAN BUREN	35.6	-85.47	TWO LARGE OAK TREES UPROOTED ALONG OLD STATE HIGHWAY 111 ABOUT 6 MILES AWAY FROM FALL CREEK FALLS STATE PARK SOUTHERN ENTRANCE. (OHX)
7:30		8 WNW SPARTA	WHITE	36	-85.6	MULTIPLE TREES DOWN ALONG LIBERTY ROAD AND JOHN MCCOIN ROAD NEAR SPARTA. (OHX)
7:50		2 SSE MOUNT CREST	BLEDSOE	35.64	-85.23	A TREE FELL ONTO THE CORNER OF A HOUSE ON OLD SPENCER ROAD. (MRX)
7:51		1 SSW READYVILLE	RUTHERFORD	35.82	-86.19	*** TORNADO POSSIBLE *** MULTIPLE HOMES DAMAGED (ONE COLLAPSED) ON READYVILLE ST. (OHX)
7:55		6 ESE MONTEREY	CUMBERLAND	36.11	-85.14	OVER 20 UPROOTED TREES ALONG CUMBERLAND LAKES DRIVE NEAR MONTEREY. TIME IS ESTIMATED BASED ON RADAR. (OHX)
8:10		SUNBRIGHT	MORGAN	36.24	-84.67	EXTENSIVE DAMAGE OCCURRED TO THE SUNBRIGHT CITY HALL BUILDING ON MELTON DRIVE WITH NUMEROUS TREES BLOWN DOWN IN THE AREA. (MRX)
8:11		SPRING CITY	RHEA	35.69	-84.86	1 TREE DOWN ON ROAD NEAR SPRING CITY. (MRX)
8:28		2 SW HUNTLAND	FRANKLIN	35.03	-86.29	A FEED BIN WAS REPORTED PICKED UP AND MOVED TO A FENCE AT THIS LOCATION. (HUN)

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
8:30		KNOXVILLE	KNOX	35.97	-83.95	NUMEROUS TREES WERE BLOWN DOWN AROUND KNOX COUNTY. (MRX)
8:35		2 S HARRIMAN	ROANE	35.9	-84.55	MULTIPLE TREES DOWN NEAR PINE RIDGE ROAD RAILROAD CROSSING GATE BLOWN OVER AT THE RAILROAD TRACKS. (MRX)
9:40		1 SSW SODDY- DAISY	HAMILTON	35.25	-85.18	HAMILTON COUNTY REPORTS TREES AND LINES DOWN THROUGHOUT COUNTY TIME ESTIMATED FROM RADAR. (MRX)
9:50		5 SSE CLOVER HILL	BLOUNT	35.65	-84.03	POWERLINES DOWN ON MINT ROAD TREES REPORTED DOWN IN THE COUNTY. (MRX)
9:50		TALBOTT	JEFFERSON	36.15	-83.42	ONE TREE DOWN NEAR THE TALBOTT AREA. (MRX)
10:00		6 SSE SEYMOUR	BLOUNT	35.8	-83.75	POWERLINES DOWN AND DAMAGED UTILITY POLE NEAR SEYMOUR. (MRX)
10:23		3 N TELLICO PLAINS	MONROE	35.41	-84.3	TREES DOWN COUNTY WIDE. (MRX)
10:24		1 E ETOWAH	MCMINN	35.34	-84.51	TREES DOWN COUNTY WIDE INCLUDING SEVERAL IN ETOWAH TN. (MRX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
10:24	1.00	5 SW RIDGETOP	DAVIDSON	36.34	-86.83	QUARTER SIZE HAIL VIA MPING. (OHX)
4:59	1.00	5 SW RIDGETOP	DAVIDSON	36.34	-86.83	CORRECTS PREVIOUS HAIL REPORT FROM 5 SW RIDGETOP. QUARTER SIZE HAIL VIA MPING. (OHX)
5:18	1.00	GALLATIN	SUMNER	36.38	-86.45	TWITTER REPORT W/ PHOTO. (OHX)
5:29	1.50	7 E ASHLAND CITY	DAVIDSON	36.27	-86.93	PING PONG BALL SIZED HAIL VIA MPING. (OHX)
5:33	1.00	3 S BETHPAGE	SUMNER	36.44	-86.31	QUARTER SIZE HAIL VIA MPING. (OHX)
5:45	1.00	HARTSVILLE	TROUSDALE	36.39	-86.16	HWY 10 AND OLD LAFAYETTE RD. (OHX)
5:47	1.25	2 SSW MILLEDGEVILLE	MCNAIRY	35.35	-88.38	(MEG)
5:51	1.00	4 SE LAFAYETTE	MACON	36.48	-85.98	. (OHX)
6:08	1.00	SPRING HILL	MAURY	35.74	-86.92	TWITTER REPORT W/ PHOTO. (OHX)

CPC Outlooks for the Next Month:

The NOAA Climate Prediction Center outlooks for April show that all of Tennessee is leaning towards above normal temperatures and precipitation. Almost the entire state is in the 40-50% likelihood range for above average temperatures for April. There is higher confidence in above average precipitation for the western half of the state (40-50% likelihood) compared to the eastern half (33-40% likelihood).

