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2019 October - Tennessee Monthly Climate Report

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October 2019 Tennessee State Climate Summary

Tennessee Climate Office * East Tennessee State University

Prepared by William Tollefson and Dr. Andrew Joyner

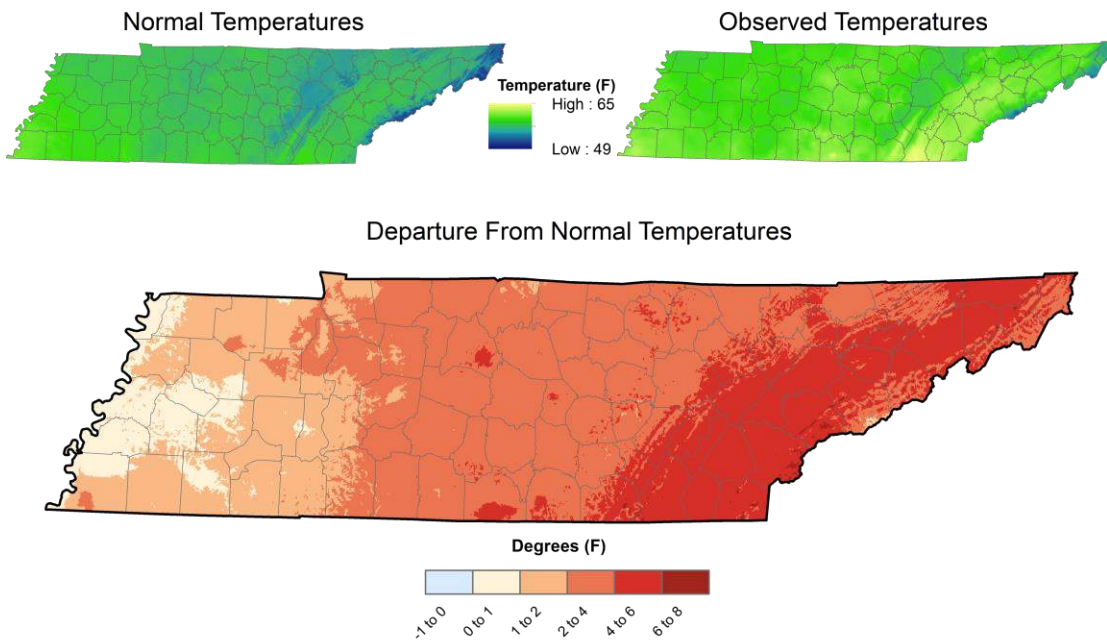
With contributions by Climate Data Representatives at University of Tennessee-Martin, Vanderbilt University, and University of Tennessee-Institute of Agriculture

Monthly Temperature Summary:

Major temperature shifts occurred during the month of October across Tennessee. The month started out in a continuation of the heat wave from September, with high temperatures in the mid-to-upper 90s during the first week of the month. Daily record high temperatures were set in Memphis (1st-3rd), Jackson (2nd & 3rd), Clarksville (1st-3rd & 5th), Nashville (1st-3rd & 5th), Crossville (1st-3rd), Chattanooga (1st-4th), Oak Ridge (1st-3rd & 5th), Knoxville (1st-3rd), and in the Tri-Cities (1st-4th), with Chattanooga reaching 100°F on the 2nd & 3rd. A strong cold front in the middle of the month brought below normal temperatures to West TN, and another cold front in the 3rd week of the month brought below normal temperatures across the state, but warmth returned to east Tennessee ahead of a strong cold front that swept the state on Halloween. On the 31st, high temperatures ranged from 48°F in Memphis in the southwest corner of the state to 76°F at the Tri-Cities airport in the northeast corner of the state ahead of the cold front. These weekly temperature patterns resulted in monthly mean temperatures that were well above normal in East and Middle Tennessee, and near to slightly above normal in West Tennessee.



October 2019 Mean Temperature



Stations with the highest mean temperature

Station Name	Station Type	Mean Temperature (F)
CHATTANOOGA AP	WBAN	66.2
ATHENS	COOP	64.3
NASHVILLE BERRY FIELD	COOP	64.3
GERMANTOWN 4SE	COOP	64.3
LEWISBURG TOWER TENNESSEE	RAWS	64.2

Map Data From: PRISM Climate Group, Oregon State University, 1981-2010 Normals Used, Station Data retrieved from SC ACIS2

Stations with the lowest mean temperature

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	COOP	48.8
NEWFOUND GAP	COOP	55.4
ROAN MOUNTAIN 3SW	COOP	56.5
COALMONT	COOP	58.2
MILAN EXP STN	COOP	58.3

Monthly Precipitation Summary:

The beginning of October was the peak of the flash-drought that affected the state from the end of August through September, with 100% of the state in some level of drought. However, several cold fronts and two post-tropical systems (Nestor and Olga) brought heavy rainfall during the rest of the month resulting in above normal precipitation across the state. October is generally the driest month of the year in Tennessee, and with high precipitation totals this year, over half the state recorded more than 200% the normal rainfall. West Tennessee recorded the highest rainfall totals, from Memphis northeast to Jackson and into northwest Middle Tennessee. This area had seven weather stations (including airport, CO-OP, and CoCoRaHS stations) that reported over a foot of rain during the month! At the end of the month, the cold front that swept the state on Halloween brought the first snowflakes of the season, with a trace of snow reported in Jackson and Pikeville, and snow showers in other cities across the state.

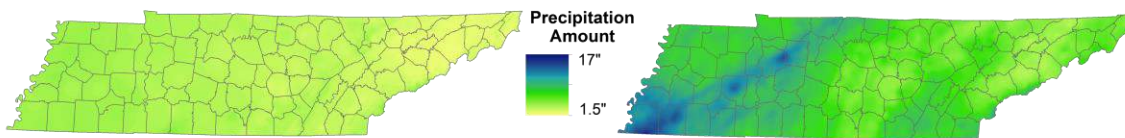


October 2019 Precipitation

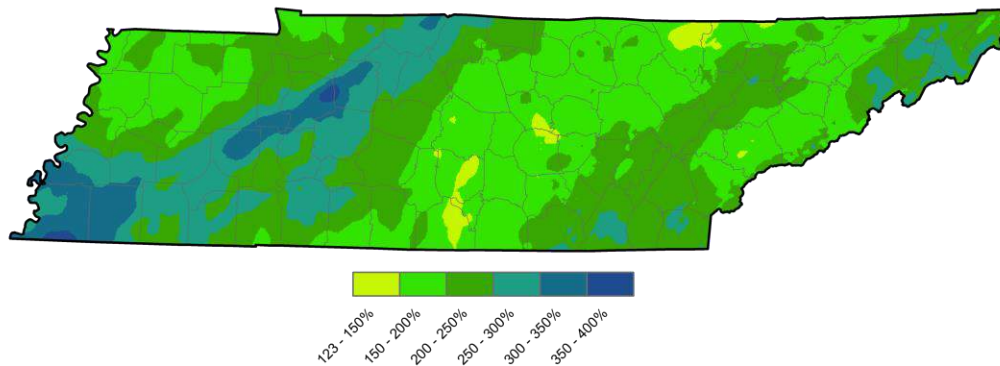


Normal Precipitation

Observed Precipitation



Percent Normal Precipitation



Stations with the most precipitation

Station Name	Station Type	Total Precipitation (in)
MEMPHIS 12.0 SE	CoCoRaHS	14.45
LEXINGTON	COOP	14.19
MEMPHIS WFO	WBAN	13.88
GERMANTOWN 4SE	COOP	12.99
MEMPHIS INTERNATIONAL AP	WBAN	12.95

Map Data From: PRISM Climate Group,
Oregon State University,
1981-2010 Normals Used
Station Data retrieved from SC ACIS2

Stations with the least precipitation

Station Name	Station Type	Total Precipitation (in)
TENNESSEE RIDGE	COOP	1.75
WHITE PINE 2.0 NE	CoCoRaHS	2.61
MARYVILLE 3.4 ESE	CoCoRaHS	2.81
NEWPORT 4.0 NNW	CoCoRaHS	2.96
MARYVILLE 4.9 S	CoCoRaHS	3.1

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

Station data for airports across the state using WBAN weather stations:

Station Name	Temperatures (°F)								Precipitation (inches)		
	Averages				Extremes				Totals		
	High	Low	Mean	Departure	High	Date	Low	Date	Obs	Departure	%Norm
Memphis	73.8	54.2	64	-0.1	98	10/03	32	10/31	12.95	8.97	325%
Jackson	72.9	49.5	61.2	0.7	96	10/03	29	10/31	8.96	5.19	238%
Clarksville	72.9	48.2	60.6	1.7	96	10/02	29	10/31	8.36	4.45	214%
Nashville	75.7	51.7	63.7	3.4	99	10/03	33	10/31	6.46	3.42	213%
Chattanooga	77.1	55.4	66.2	4.7	100	10/03	38	10/31	7.47	4.19	228%
Crossville	70.8	46.9	58.9	1.9	91	10/03	30	10/31	5.98	2.94	197%
Knoxville	75.4	52.4	63.9	4	96	10/03	37	10/24	4.98	2.47	198%
Bristol	74.8	48.6	61.7	5.4	94	10/03	34	10/24	6.6	4.5	314%

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)
CHATTANOOGA AP	WBAN	100
NASHVILLE INTL AP	WBAN	99
CAMDEN TOWER TENNESSEE	RAWS	99
LEWISBURG EXP STA	COOP	99
WOODBURY 1 WNW	COOP	99
DECATUR 7NE	COOP	99
NASHVILLE BERRY FIELD	COOP	99
MEMPHIS INTERNATIONAL AP	WBAN	98
MEMPHIS WFO	WBAN	98
OAK RIDGE ASOS	WBAN	98
MERIWETHER LEWIS TENNESSEE	RAWS	98
Allen Farms	null	98
ATHENS	COOP	98
SHELBYVILLE WATER DEPT	COOP	98
KINGSTON SPRINGS	COOP	98
AMES PLANTATION	COOP	98
CLARKSVILLE NO.2	COOP	98
CLARKSVILLE WWTP	COOP	98
BRENTWOOD	COOP	98
CAMDEN	COOP	98
GERMANTOWN 4SE	COOP	98
CHEATHAM LOCK & DAM	COOP	98

Coldest Stations (lowest minimum temperature)

Station Name	Station Type	Lowest Temperature (F)
MT LECONTE	COOP	22
JACKSON MCKELLAR- SIPES AP	WBAN	29
CLARKSVILLE OUTLAW AP	WBAN	29
ROAN MOUNTAIN 3SW	COOP	29
ONEIDA	COOP	29
CLARKSVILLE WWTP	COOP	29
NEWFOUND GAP	COOP	29
CROSSVILLE MEMORIAL AP	WBAN	30
CHEROKEE TENNESSEE	RAWS	30
TAZEWELL	COOP	30
COALMONT	COOP	30
THOMPSON STATION	COOP	30

Warmest Stations (highest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
CHATTANOOGA AP	WBAN	66.2
ATHENS	COOP	64.3
NASHVILLE BERRY FIELD	COOP	64.3
GERMANTOWN 4SE	COOP	64.3
LEWISBURG TOWER TENNESSEE	RAWS	64.2
CLEVELAND FILTER PLANT	COOP	64.1
MC MINNVILLE	COOP	64.1
MEMPHIS INTERNATIONAL AP	WBAN	64
KNOXVILLE AP	WBAN	63.9
INDIAN GRAVE TENNESSEE	RAWS	63.9

Coollest Stations (lowest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	COOP	48.8
NEWFOUND GAP	COOP	55.4
ROAN MOUNTAIN 3SW	COOP	56.5
COALMONT	COOP	58.2
MILAN EXP STN	COOP	58.3
CROSSVILLE EXP STN	COOP	58.3
CHEROKEE TENNESSEE	RAWS	58.6
MONTGOMERY BELL STATE PARK	COOP	58.6
TAZEWELL	COOP	58.7
ONEIDA	COOP	58.8

Wettest Stations (highest precipitation totals):

Station Name	Station Type	Total Precipitation (in)
MEMPHIS 12.0 SE	CoCoRaHS	14.45
LEXINGTON	COOP	14.19
MEMPHIS WFO	WBAN	13.88
GERMANTOWN 4SE	COOP	12.99
MEMPHIS INTERNATIONAL AP	WBAN	12.95
JACKSON EXP STA	COOP	12.39
JACKSON 2.9 N	CoCoRaHS	12.28
BOLIVAR WATER WORKS	COOP	11.09
DICKSON	COOP	10.99
SOMERVILLE 1.3 E	CoCoRaHS	10.63

Driest Stations (lowest precipitation totals):

Station Name	Station Type	Total Precipitation (in)
TENNESSEE RIDGE	COOP	1.75
WHITE PINE 2.0 NE	CoCoRaHS	2.61
MARYVILLE 3.4 ESE	CoCoRaHS	2.81
NEWPORT 4.0 NNW	CoCoRaHS	2.96
MARYVILLE 4.9 S	CoCoRaHS	3.1
BAILEYTON 1.0 NW	CoCoRaHS	3.14
CHURCH HILL 3.4 NNE	CoCoRaHS	3.14
MARYVILLE 5.8 ESE	CoCoRaHS	3.24
GREENBACK 4.1 SSE	CoCoRaHS	3.32
FRIENDSVILLE 2.3 ESE	CoCoRaHS	3.38

Snowiest Stations

Station	Type	Snowfall	Date
PIKEVILLE	COOP	T	31
JACKSON MCKELLAR- SIPES AP	WBAN	T	31

Drought Monitor:

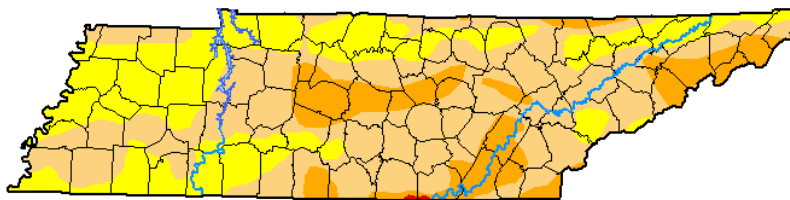
The drought affecting the state from August and September reached its peak in the first few days of October, with 100% of the state shown as impacted by abnormally dry or drought conditions in the October 1st US Drought Monitor. However, the above normal precipitation produced weekly improvements in drought conditions. By the end of the month, drought conditions were cleared from West Tennessee, and most of Middle Tennessee. Southeast Tennessee, which has been drier than normal for the longest time period, and which did not get as much rainfall until the very end of the month, is still depicted with a small area of moderate to severe drought. If the wet pattern continues into November, this area will likely be cleared of drought as well.

Author:

Brian Fuchs
National Drought
Mitigation Center

U.S. Drought Monitor Tennessee

October 1, 2019
(Released Thursday, Oct. 3, 2019)
Valid 8 a.m. EDT



Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



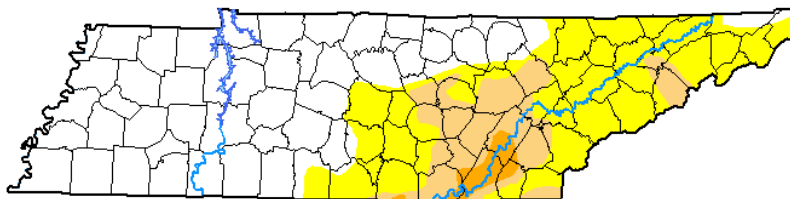
droughtmonitor.unl.edu

Author:

David Simeral
Western Regional
Climate Center

U.S. Drought Monitor Tennessee

October 29, 2019
(Released Thursday, Oct. 31, 2019)
Valid 8 a.m. EDT



Intensity:

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

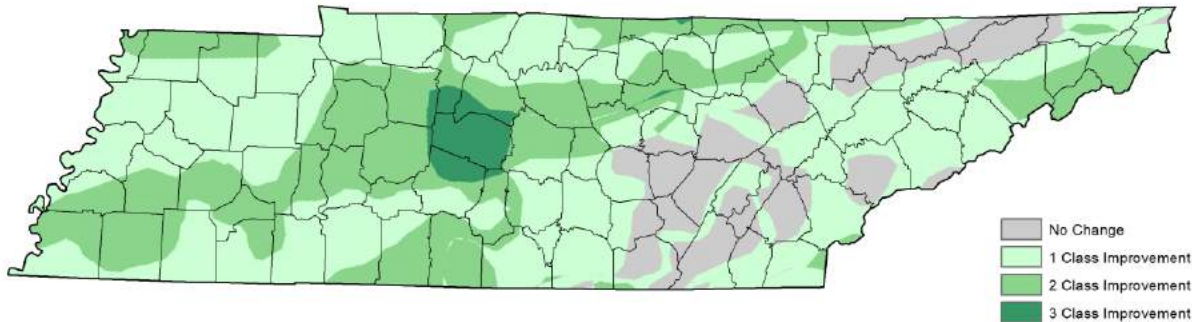
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



droughtmonitor.unl.edu

October 29, 2019
 compared to
 October 1, 2019

U.S. Drought Monitor Class Change - Tennessee
 1 Month

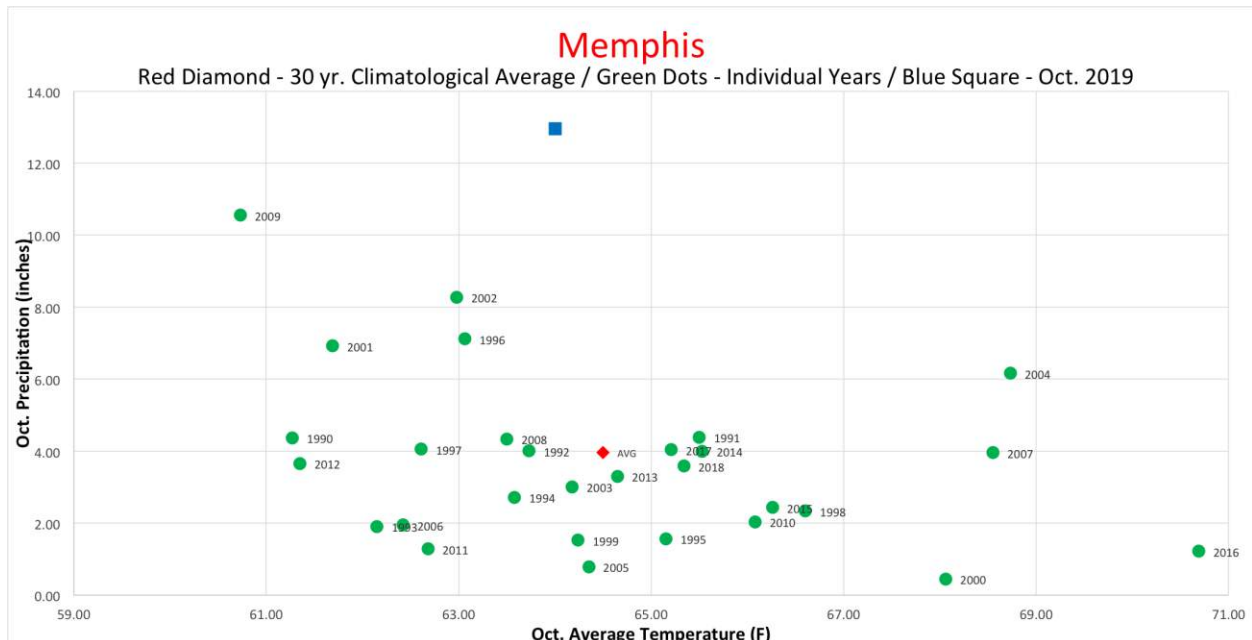


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The Month in Comparison:

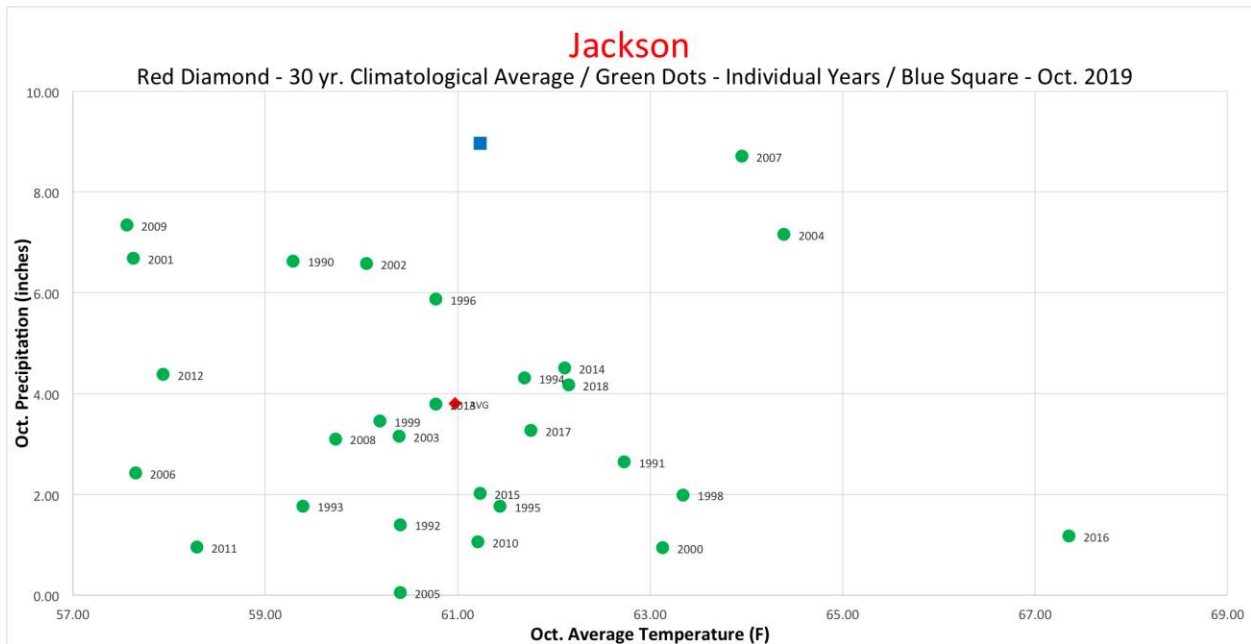
Looking at scatter plots of the observed precipitation and average temperature compared to the precipitation and temperatures for the last 30-years, we can see that this October ranked among the wettest for several cities, and among the warmest for some as well. From West to East, the data for Memphis, Jackson, Nashville, Chattanooga, Knoxville, and Tri-Cities airports are shown below.

Memphis recorded its wettest October, and recorded slightly below normal mean temperatures.

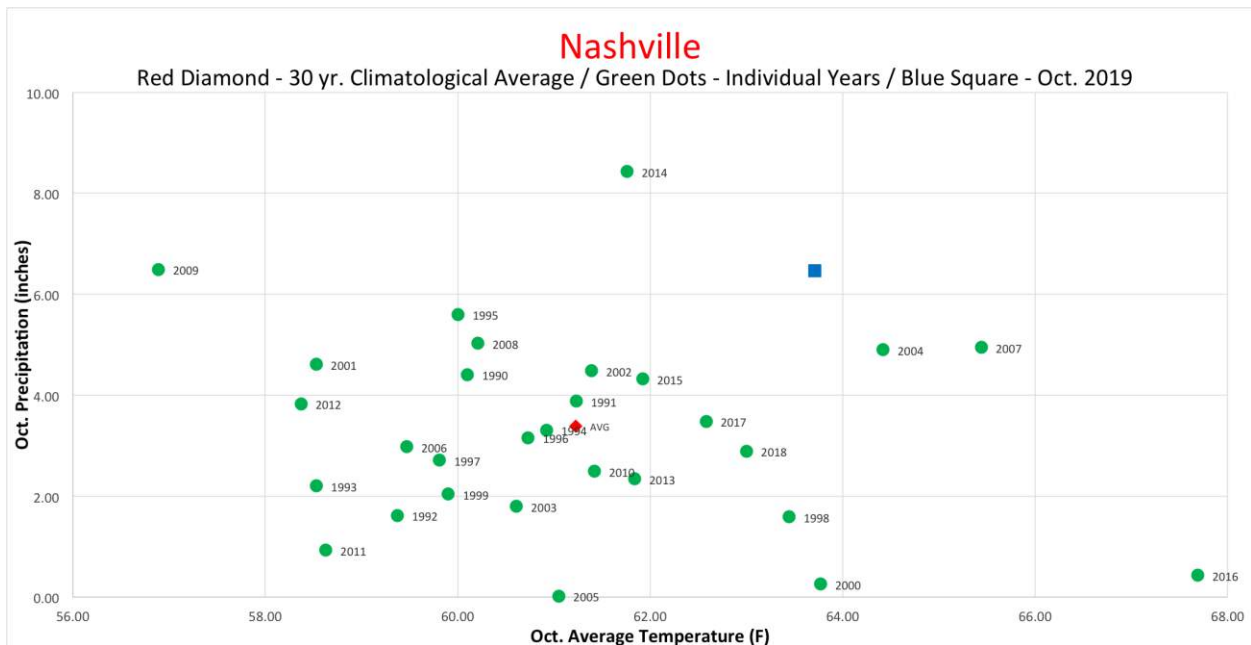


October 2019 Tennessee State Climate Summary

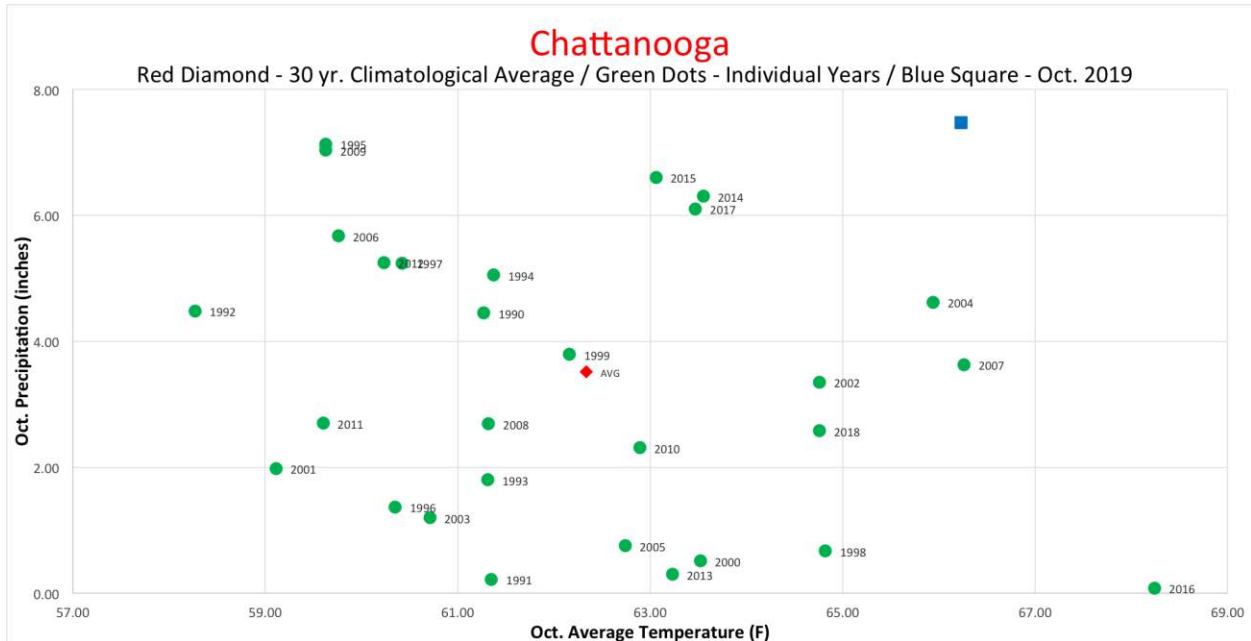
Jackson, also had its wettest October on record, but recorded slightly above normal temperatures.



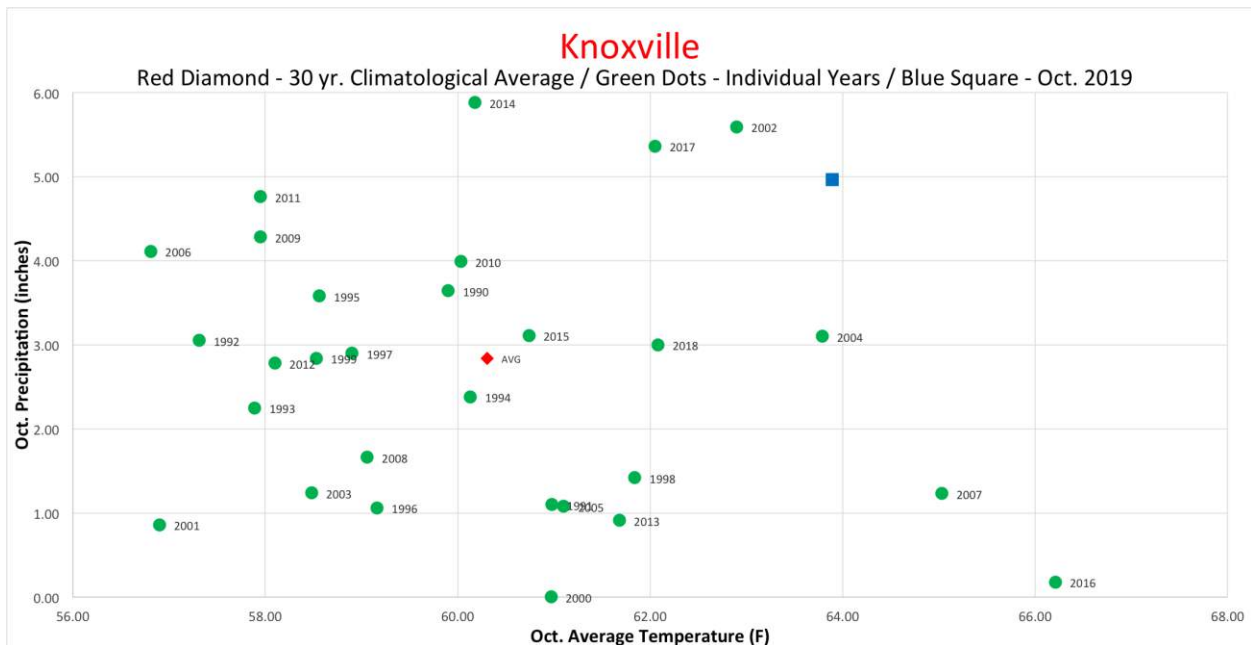
Nashville recorded its 7th wettest October on record (3rd wettest in the last 30 years), and was warmer than normal.



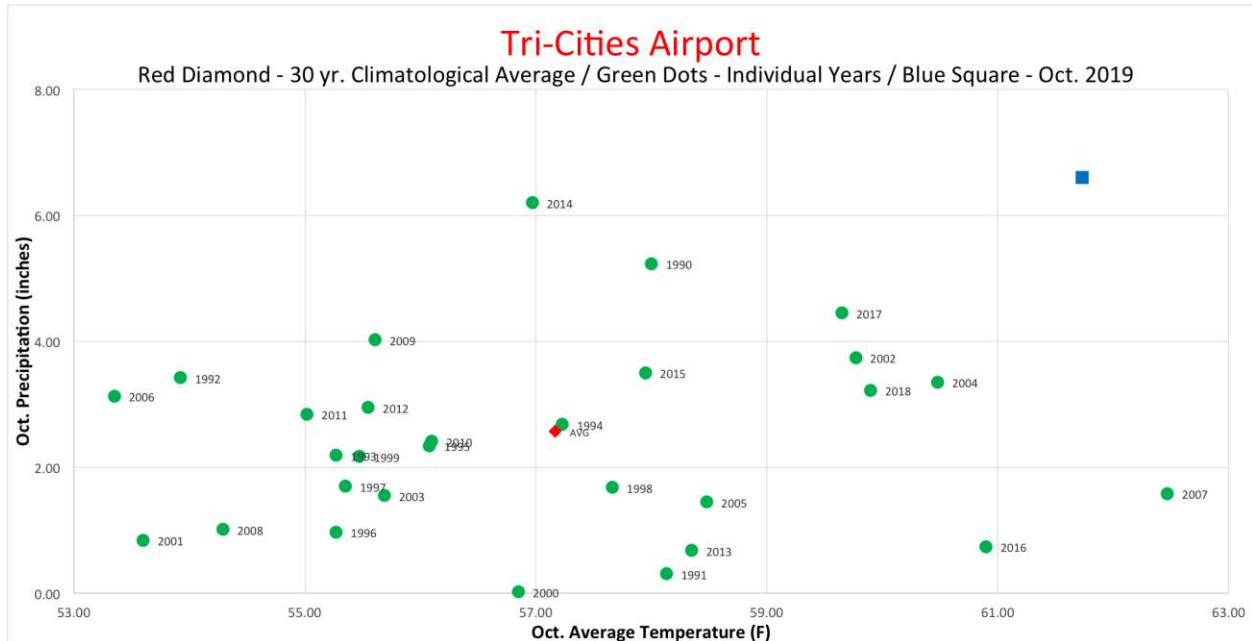
Chattanooga had its third wettest October on record (wettest in the last 30 years), and the 10th warmest October on record (3rd warmest in the last 30 years).



Knoxville was wetter and warmer than normal.



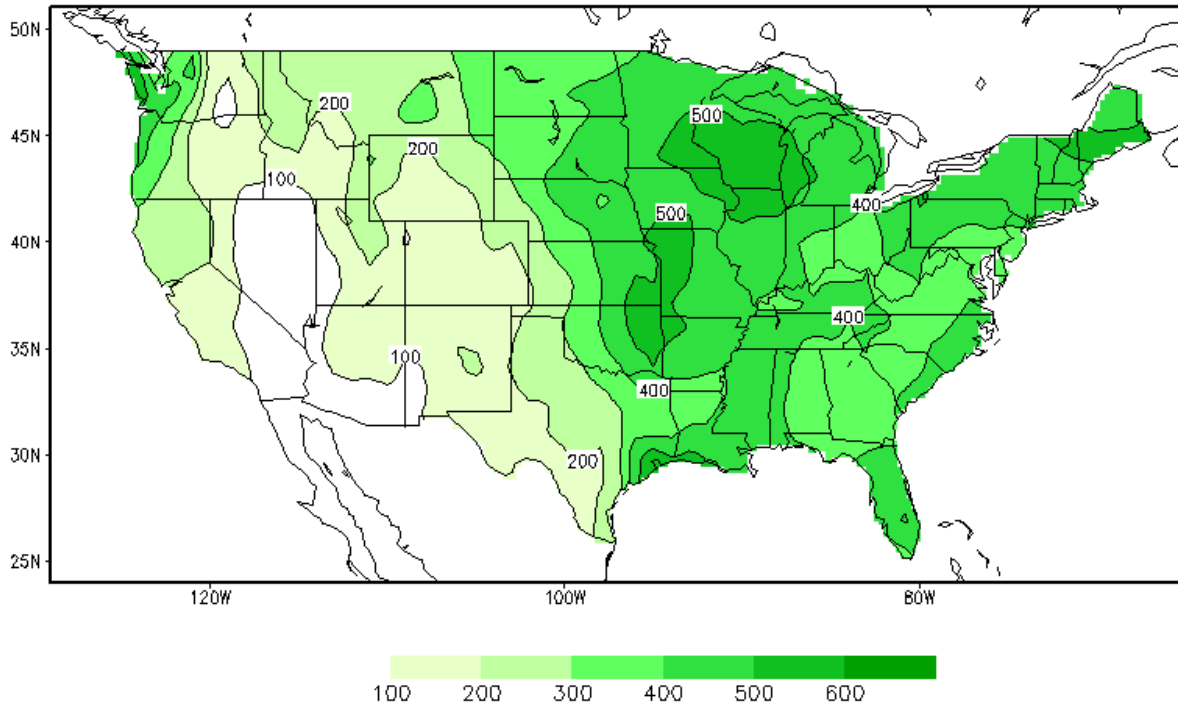
The Tri-Cities had its wettest October on Record, and the sixth warmest October on record (second warmest for the last 30 years).



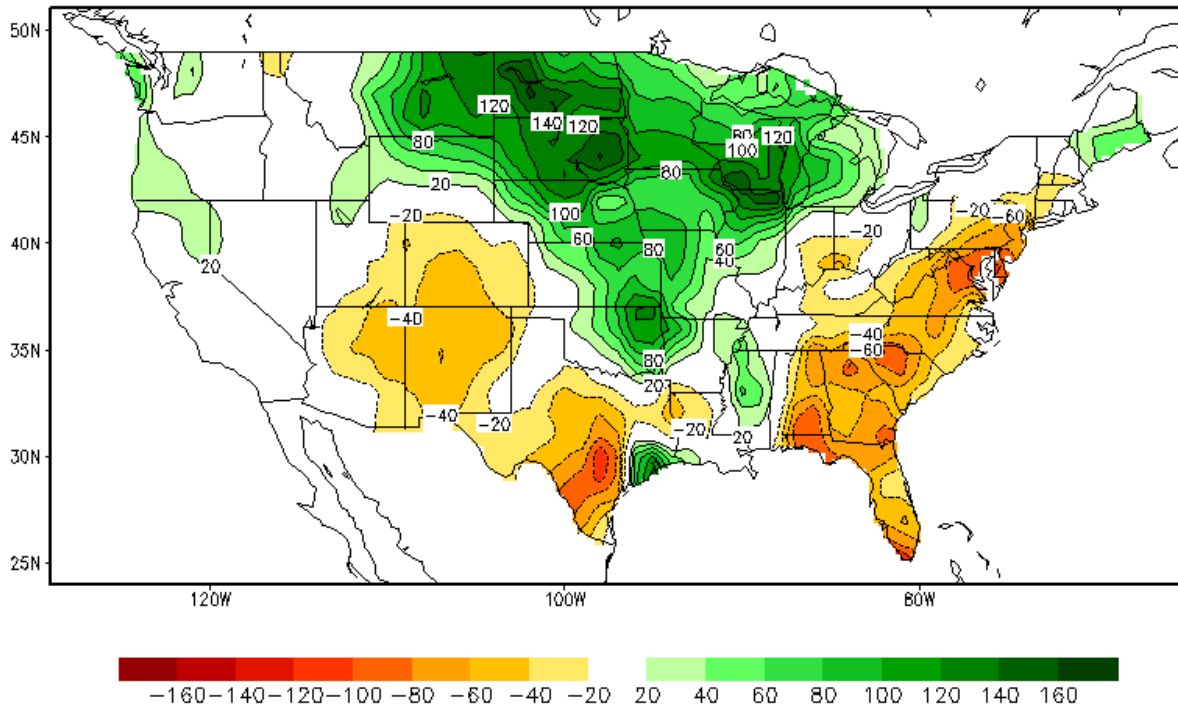
Soil Moisture:

Soil moisture coming into October was below normal in many areas of the state, however the above normal precipitation was able to provide soil moisture recharge through the month. The average soil moisture for the month came out to around 400mm across the state, which was normal to above normal in West Tennessee, but below normal in East Tennessee. Across the state there were increases of 40-100mm in soil moisture over the month.

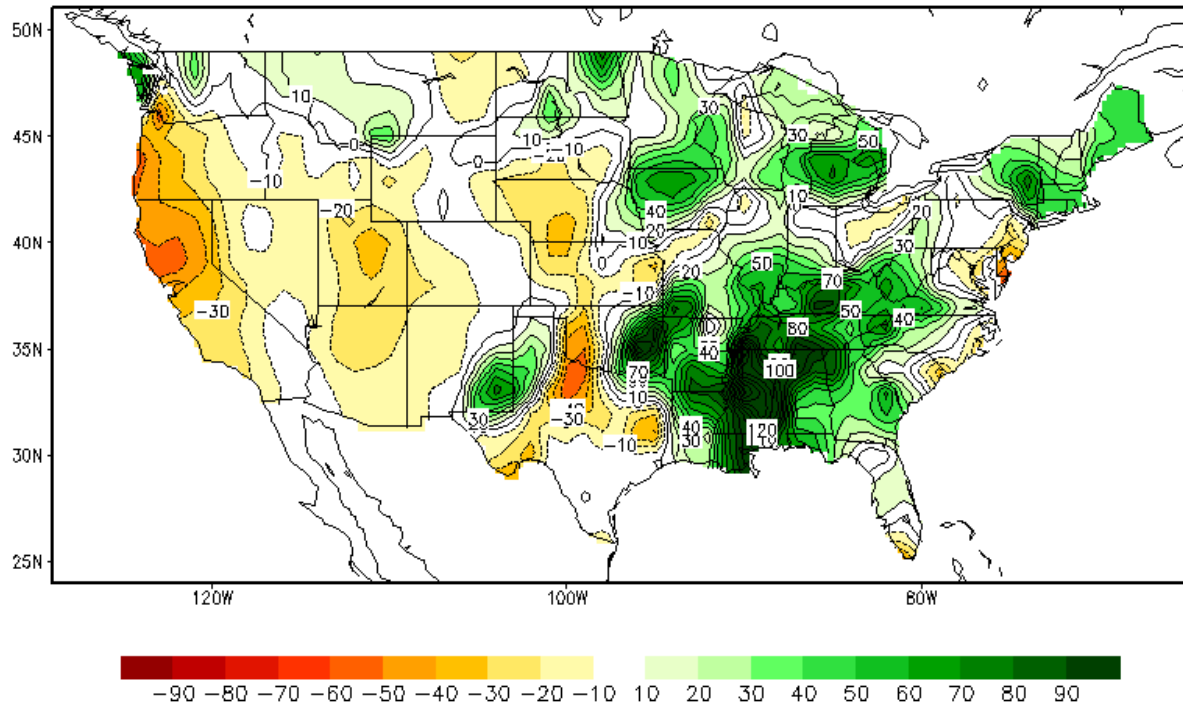
Calculated Soil Moisture (mm) OCT, 2019



Calculated Soil Moisture Anomaly (mm) OCT, 2019



Calculated Soil Moisture Anomaly Change OCT 31, 2019 from SEP.30



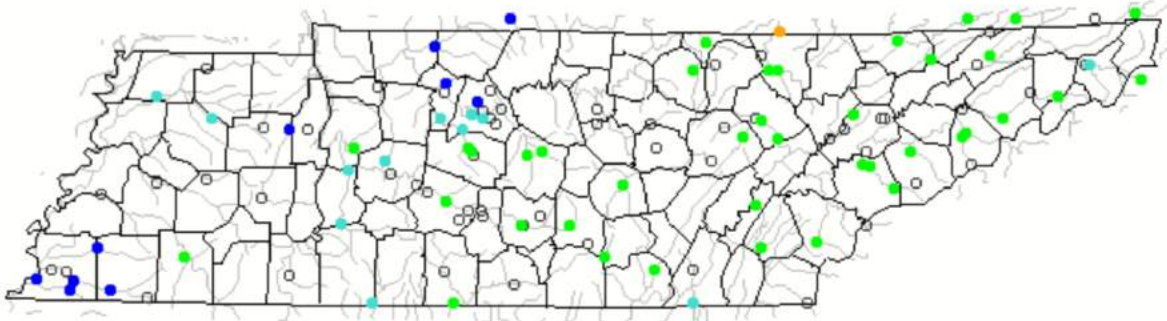
Streamflow:

Streamflow across the state was also at to above normal for the month, with most of the above normal streamflow in the western half of the state, which had more consistent heavy rains through the month.

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

Tennessee ▼ or Water-Resources Regions ▼

October 2019



Search USGS streamgage 🔍

Choose a data retrieval option and select a location on the map

- List of all stations
 Single station
 Nearest stations
 Peak flow

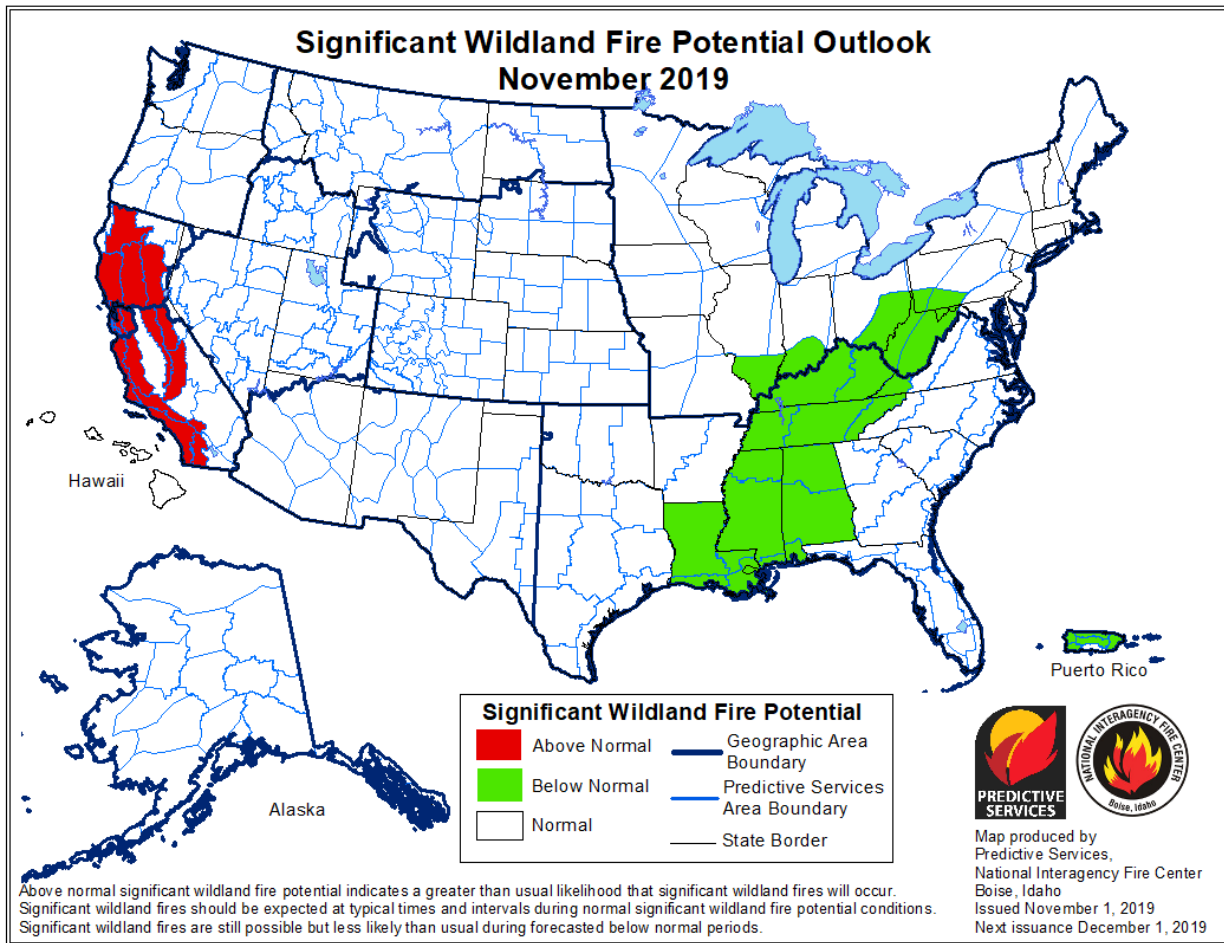
Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Miscellaneous:

Crop Conditions from USDA: Hot and dry conditions persisted in the first week of the month, delaying the fall seeding of pastures, wheat, and seedlings. Tobacco harvests were completed in the first week of the month, with mostly fair to good crop conditions. The rains in October were very beneficial to agriculture and pastures, although it did slow harvests by reducing the amount of days for field work. Soybean harvests continued with yields of late-planted beans showing the detrimental effects of last month's hot, dry weather. Corn and cotton harvests also continued with most farmers continuing to post favorable yields. Pasture conditions improved with the added soil moisture, particularly those pastures with cool weather grasses. However, scattered frost kept pasture conditions from improving greatly. Scattered frosts occurred in the second half of the month, with a widespread frost and freeze event occurring on the 31st. At the end of the month topsoil moisture was rated 9% very short, 17% short, 64% adequate, and 10% surplus. Subsoil moisture was rated 11% very short, 28% short, 58% adequate, and 3 % surplus.

CROP PROGRESS					CONDITION					
Crop	This Week	Last Week	2018	5 Year Avg.	Item	Very Poor	Poor	Fair	Good	Excellent
	Percent					Percent				
Corn – Harvested	98	96	95	96	Corn	1	2	14	56	27
Cotton – Bolls Opening	100	97	100	99	Cotton	3	4	20	55	18
Cotton – Harvested	60	52	67	58	Soybeans	2	8	29	48	13
Soybeans – Dropping Leaves	98	96	100	98	Wheat	3	4	30	54	9
Soybeans – Harvested	72	62	59	64	Pasture	17	31	36	14	2
Winter Wheat – Planted	50	34	49	53						
Winter Wheat – Emerged	21	11	30	26						

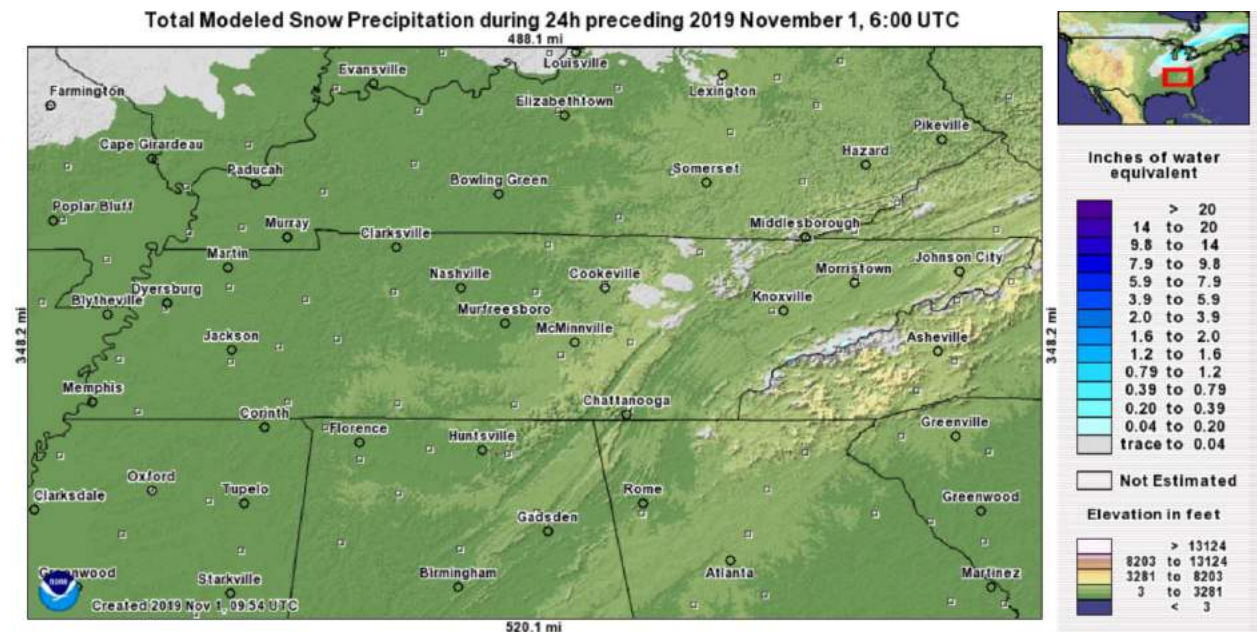
Fire Danger: With the above normal precipitation during the month of October, the fire potential for November is below normal.



Fall Foliage: The fall foliage season was well underway in East Tennessee, with peak color occurring the last week of October in the higher elevations and northern Tennessee Valley. Near peak conditions were reported in the other parts of East Tennessee and the Cumberland Plateau. The strong storm system that swept the state with high winds and heavy rains on Halloween brought an early end to peak conditions in the mountains. The images below show foliage conditions in Washington (*left*) and Carter (*right*) Counties on October 26th and November 3rd respectively.



Snow: The first snowfall of the season occurred on Halloween, with snow showers reported from west to east on the tail end of a strong cold front. A trace of snow accumulation was reported at Jackson, and in Pikeville. Higher elevations in the mountains of East Tennessee also reported a dusting of snow in the overnight hours and morning of Nov. 1st.



Story of the Month:

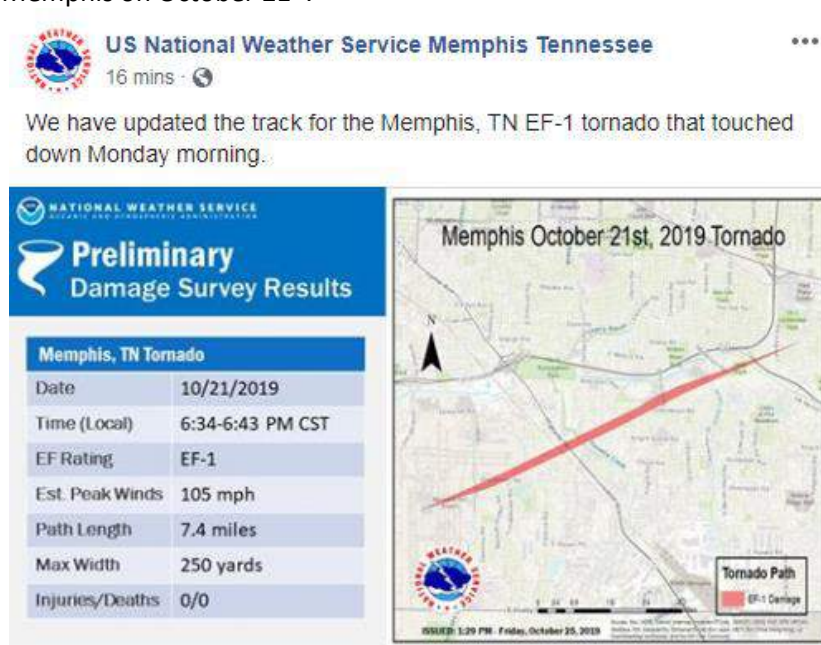
The main story of the month was the major shift from hot and dry conditions in the first couple days of the month to a very rainy pattern for the remainder of the month. This shift brought relief from drought conditions across the state, but the rain was accompanied by severe storms. Those storms, particularly at the end of the month, produced wide-spread wind damage and even two tornadoes, and resulted in two deaths and two serious injuries caused by falling trees.

The month started out hot and dry, daily record high temperatures were set somewhere in the state from October 1st to the 5th. Nashville recorded its highest ever October temperature (99°F), and broke the record for number of 90+ degree days in a single year, reaching 98 days this year.



Facebook post from NWS Nashville on October 4th, about record-breaking October warmth.

Starting after the 5th, the month switched to a rainier and more seasonable, although still above normal temperature pattern. A severe storm imbedded in a cold front on October 21st produced wind damage and a tornado in Memphis on October 21st.





A series of images showing the damage from a tornado and other severe wind in Memphis from WMCA.

The remnants of tropical storm Olga moved through portions of Tennessee the following week, along the western Tennessee River Valley, leaving a swath of severe wind damage from north Mississippi to western Kentucky. Multiple semi-trucks were blown over on the I-40 Bridge crossing the Tennessee River between Benton and Humphreys Counties.

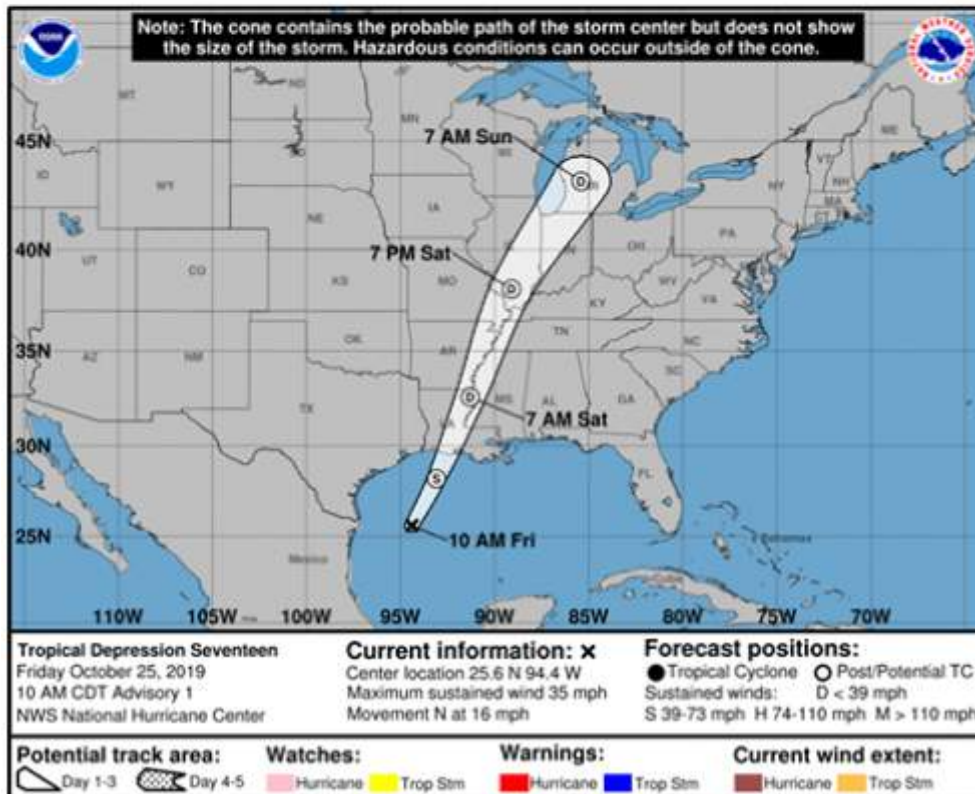


US National Weather Service Nashville Tennessee

...

25 October at 12:12 · 🌐

The National Hurricane Center has just named Tropical Depression 17 over the western Gulf of Mexico. This system will come onshore the coast of Louisiana tonight and then continue right up the Mississippi Valley tomorrow. TD 17 will merge with a low pressure system coming out of the southern Plains to give us the rain we're expecting this weekend. This merger of systems is not something we see very often, and it is rather late in the tropical season. We're just coming out of a late-summer/early-autumn drought, so the ground and the rivers can take on quite a bit of water without spilling over. Fortunately, the rain should be gone by the time we get up Sunday morning, so we'll at least have one decent day this weekend.





US National Weather Service Nashville Tennessee



28 October at 14:17 · 🌐

Saturday ended up being a very interesting weather day. The remnants of Tropical Storm Olga provided strong 40+ MPH winds for some locations across western Middle TN. The wind max developed due to rapid pressure falls near the low center. <https://www.weather.gov/ohx/20191026>

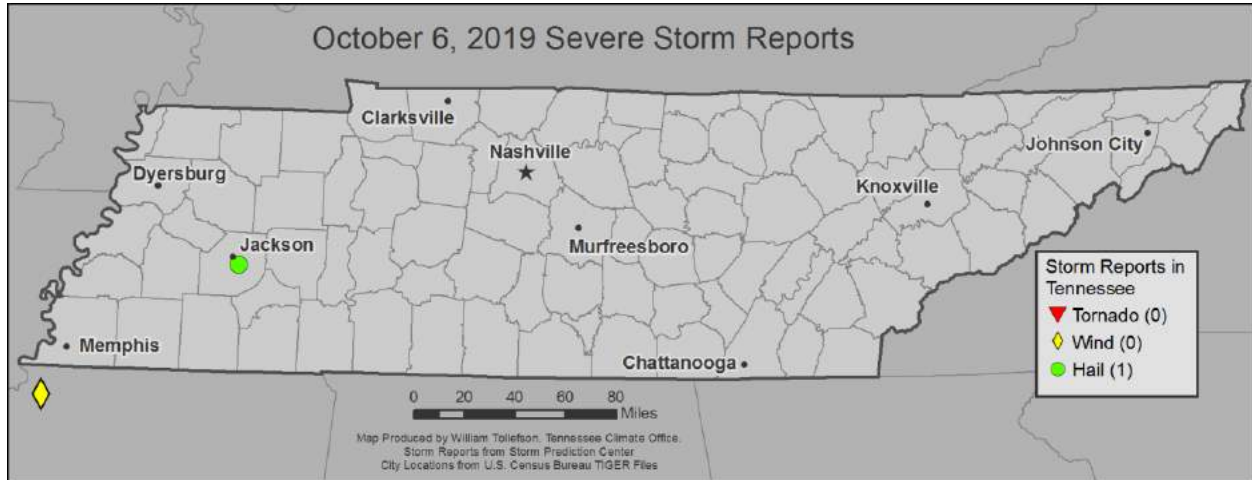


Overturned trucks on I-40 on Saturday Oct. 26th.

Storm Reports:

There were five days with severe weather reports during October resulting in a total of 2 tornadoes, 69 reports of severe wind damage, and 1 report of severe hail. These severe storms resulted in two fatalities and two critical injuries, one each on the 26th and the 31st, each caused by falling trees.

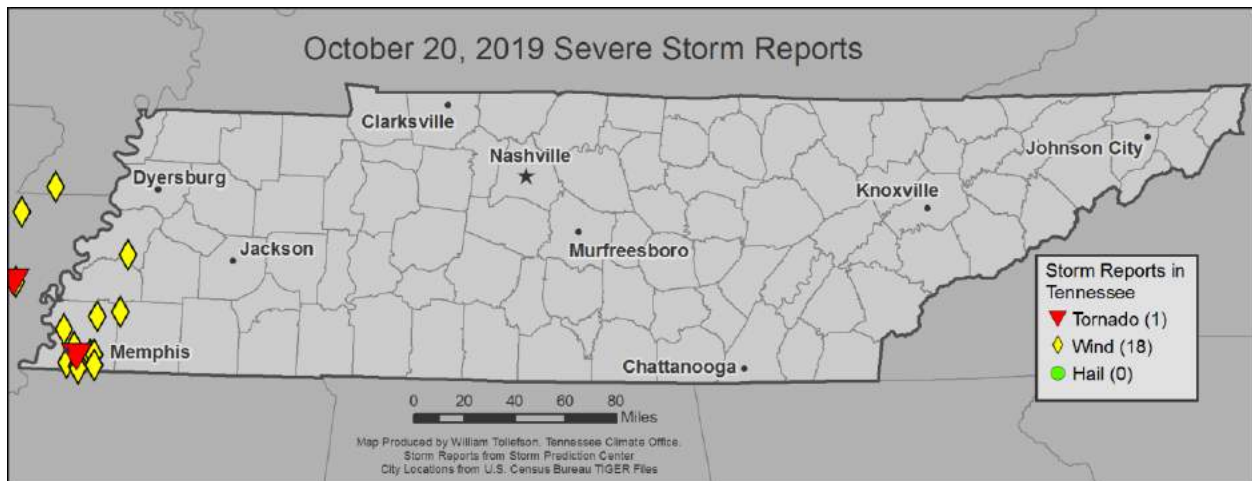
October 6th:



Hail Reports:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
23:46	1"	2 SE JACKSON	MADISON	35.61	-88.8	ONE INCH SIZED HAIL IN PINSON. (MEG)

October 20th:



Tornado Reports:

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
11:38	EF-1	2 WNW SOUTHEAST MEMPHIS	SHELBY	35.07	-89.91	PRIMARY DAMAGE TO COTTONWOOD APARTMENTS WITH SIGNIFICANT ROOF DAMAGE. NUMEROUS TREES AND BUSINESS SIGNS DOWN. RATING: EF-1 (MEG)

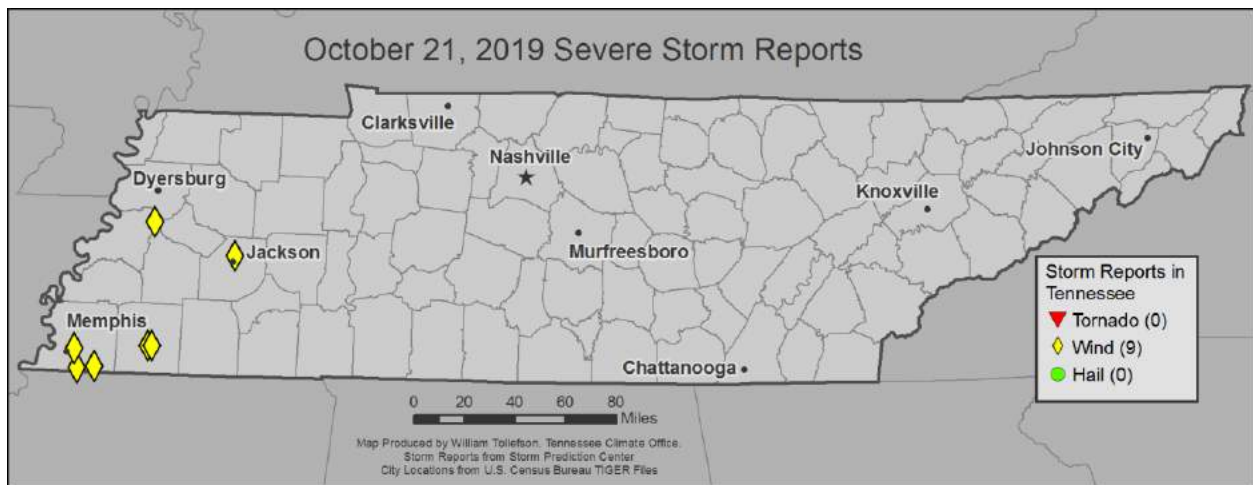
Wind Reports:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
11:25	--	3 WNW FRAYSER	SHELBY	35.23	-90.01	POWERLINES WERE DOWNED NEAR THE INTERSECTION OF HIGHWAY 51 AND WATKINS ST... SPARKING A SMALL FIRE. (MEG)
11:36	--	11 SE DOWNTOWN MEMPHIS	SHELBY	35.02	-89.91	WINDS WERE 53 MPH AND CAUSED SOME STRUCTURAL DAMAGE AT MEMPHIS INTERNATIONAL AIRPORT TERMINAL. SOME WINDOWS WERE BLOWN OUT AND DAMAGE IN PARKING LOT AND NEAR RUNWAY. (MEG)
11:36	--	3 ENE WHITEHAVEN	SHELBY	35.04	-89.98	WINDS WERE 53 MPH AND CAUSED SOME STRUCTURAL DAMAGE AT MEMPHIS INTERNATIONAL AIRPORT TERMINAL. SOME WINDOWS WERE BLOWN OUT AND DAMAGE IN PARKING LOT AND NEAR RUNWAY. (MEG)
11:38	--	11 SE DOWNTOWN MEMPHIS	SHELBY	35.02	-89.91	A FEW LARGE TREE LIMBS DOWN AROUND FED EX CAMPUS ON THE WEST SIDE OF AIRPORT ON AIRWAYS. (MEG)
11:41	--	12 SE DOWNTOWN MEMPHIS	SHELBY	35.01	-89.9	A FEW TREES DOWN AND STRUCTURE DAMAGE TO COTTONWOOD APARTMENTS ON COTTONWOOD RD SOUTH OF AMERICAN WAY. (MEG)
11:42	--	12 SE DOWNTOWN MEMPHIS	SHELBY	35.01	-89.9	STRUCTURAL DAMAGE AT CHUCK HUTTON AUTO DEALERSHIP AT 2471 MT. MORIAH. (MEG)
11:43	--	12 SE DOWNTOWN MEMPHIS	SHELBY	35.01	-89.9	LARGE TREES DOWN AT 2600 THOUSAND OAKS BLVD NORTH OF AMERICAN WAY AND SOUTH OF INTERSTATE 240. (MEG)
11:43	--	4 S GERMANTOWN	SHELBY	35.03	-89.79	POWER LINES AND TREES DOWN ON MOUNT MORIAH EAST OF MENDENHALL AT AND NEAR GOSSETT KIA AUTO DEALERSHIP. WINDS ESTIMATED AT 50 TO 55 MPH. (MEG)
11:45	--	12 SE DOWNTOWN MEMPHIS	SHELBY	35.01	-89.9	A FEW TREES DOWN AND STRUCTURE DAMAGE TO COTTONWOOD APARTMENTS ON COTTONWOOD RD SOUTH OF AMERICAN WAY. (MEG)
11:45	--	2 W GERMANTOWN	SHELBY	35.09	-89.82	POWER LINES AND A TREE DOWN ON RESIDENCE IN WEST GERMANTOWN JUST WEST OF THE INTERSECTION OF GERMANTOWN ROAD AND POPLAR PIKE. (MEG)

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11:45	--	7 E DOWNTOWN MEMPHIS	SHELBY	35.13	-89.93	A FEW TREES DOWN AND STRUCTURE DAMAGE TO COTTONWOOD APARTMENTS ON COTTONWOOD RD SOUTH OF AMERICAN WAY. (MEG)
11:45	--	5 NNW LAKELAND	SHELBY	35.31	-89.78	LARGE TREE DOWN ACROSS PLEASANT RIDGE RD BETWEEN JACK BOND ROAD AND BRUNSWICK ROAD. ALSO SOME POWER LINES DOWN ACROSS JACK BOND ROAD. PLEASANT RIDGE ROAD CLOSED DUE TO (MEG)
11:46	--	12 SE DOWNTOWN MEMPHIS	SHELBY	35.01	-89.9	LARGE TREES DOWN AT 2600 THOUSAND OAKS BLVD NORTH OF AMERICAN WAY AND SOUTH OF INTERSTATE 240. (MEG)
11:46	--	7 E DOWNTOWN MEMPHIS	SHELBY	35.13	-89.93	LARGE TREES DOWN AT 2600 THOUSAND OAKS BLVD NORTH OF AMERICAN WAY AND SOUTH OF INTERSTATE 240. (MEG)
11:48	--	GERMANTOWN	SHELBY	35.09	-89.79	NUMEROUS TREES DAMAGED FROM SOUTH OF FARMINGTON ROAD THROUGH EXETER ROAD THROUGH CORBIN STREET. (MEG)
11:50	--	4 S GERMANTOWN	SHELBY	35.03	-89.79	POWER LINES AND TREES DOWN ON MOUNT MORIAH EAST OF MENDENHALL AT AND NEAR GOSSETT KIA AUTO DEALERSHIP. WINDS ESTIMATED AT 50 TO 55 MPH. (MEG)
11:55	--	HENNING	LAUDERDALE	35.67	-89.58	TREES DOWN IN HENNING. (MEG)
11:56	--	1 W GALLAWAY	FAYETTE	35.34	-89.62	TREE FELL ON HOME AND POWER LINES DOWNED NEAR GALLAWAY. (MEG)

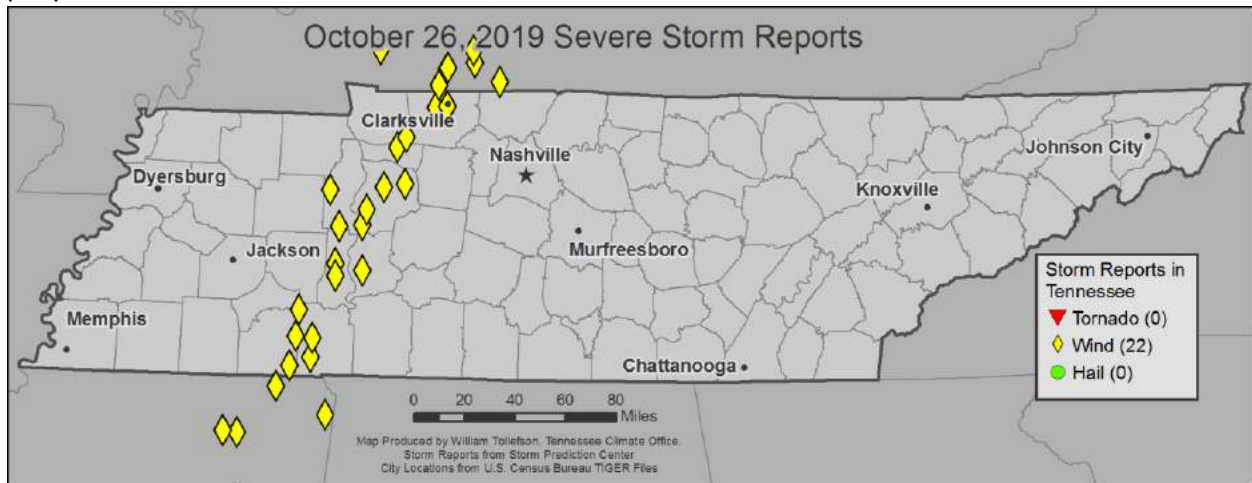
October 21st:



Wind Reports:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
12:03	--	HALLS	LAUDERDALE	35.87	-89.4	NUMEROUS TREES DOWN IN HALLS. DAMAGE TO METAL OUTBUILDING. (MEG)
12:14	--	2 W WILLISTON	FAYETTE	35.16	-89.42	BARN DESTROYED IN THE 13000 BLOCK OF MACON ROAD. (MEG)
12:15	--	1 W WILLISTON	FAYETTE	35.16	-89.39	ROOF DAMAGE TO HOME AND A LOT OF TREE DAMAGE ALONG SONNY ROAD. (MEG)
12:19	--	11 SE DOWNTOWN MEMPHIS	SHELBY	35.02	-89.91	A FEW LARGE TREE LIMBS DOWN AROUND FED EX CAMPUS ON THE WEST SIDE OF AIRPORT ON AIRWAYS. (MEG)
12:20	--	11 SE DOWNTOWN MEMPHIS	SHELBY	35.02	-89.91	WINDS WERE 53 MPH AND CAUSED SOME STRUCTURAL DAMAGE AT MEMPHIS INTERNATIONAL AIRPORT TERMINAL. SOME WINDOWS WERE BLOWN OUT AND DAMAGE IN PARKING LOT AND NEAR RUNWAY. (MEG)
12:30	--	4 S GERMANTOWN	SHELBY	35.03	-89.79	POWER LINES DOWN ON MOUNT MORIAH EAST OF MENDENHALL NEAR GOSSETT KIA AUTO DEALERSHIP. WINDS ESTIMATED AT 53 MPH. (MEG)
12:30	--	7 E DOWNTOWN MEMPHIS	SHELBY	35.13	-89.93	A FEW TREES DOWN AND STRUCTURE DAMAGE TO COTTONWOOD APARTMENTS ON COTTONWOOD RD SOUTH OF AMERICAN WAY. (MEG)
12:35	--	7 E DOWNTOWN MEMPHIS	SHELBY	35.13	-89.93	LARGE TREES DOWN AT 2600 THOUSAND OAKS BLVD NORTH OF AMERICAN WAY AND SOUTH OF INTERSTATE 240. (MEG)
12:55	--	4 N JACKSON	MADISON	35.69	-88.83	TRUCK BLOWN OVER ON CHRISTMASVILLE ROAD AND OAKFIELD. WINDS ESTIMATED AT 46 MPH. (MEG)

October 26th: Storm Reports: The post-tropical storm Olga/cold front produced severe wind in the western Tennessee Valley region. The wind caused 1 fatality and 1 critical injury due to trees falling on people.



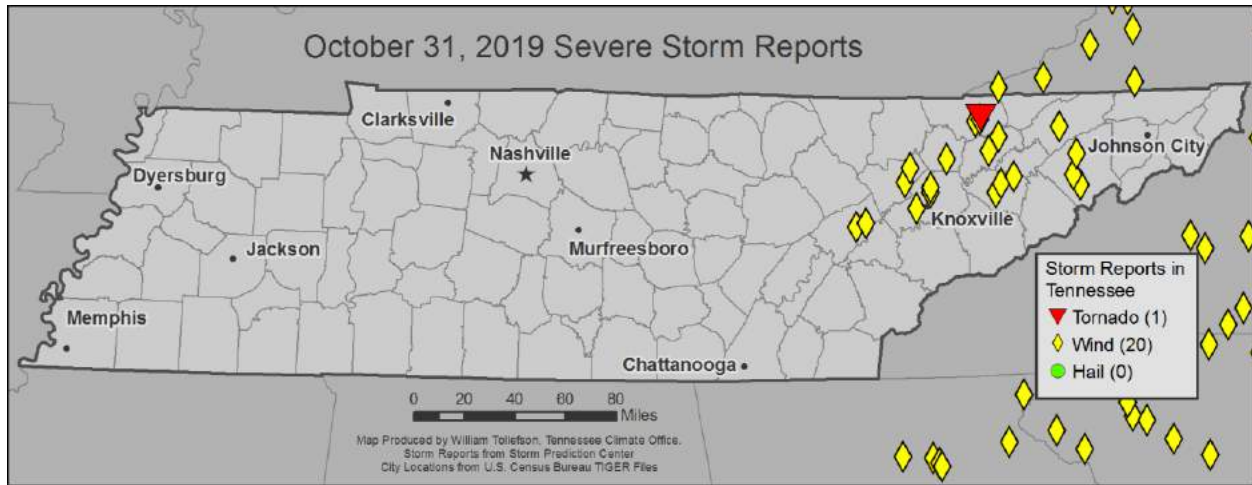
Wind Reports:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
17:40	--	4 NNW PICKWICK DAM	HARDIN	35.11	-88.28	NUMEROUS TREES DOWN IN NIXON. (MEG)
18:00	--	PARSONS	DECATUR	35.65	-88.12	MULTIPLE TREES AND POWER LINES DOWN IN AND AROUND THE CITY OF PARSONS. (MEG)
18:13	--	MICHIE	MCNAIRY	35.06	-88.43	TREES DOWN AND POWER LINES DOWN. SOME HOUSE DAMAGE DUE TO TREES DOWN. (MEG)
18:20	--	2 W SAVANNAH	HARDIN	35.22	-88.27	SHINGLES OFF ROOF. (MEG)
18:30	--	ADAMSVILLE	MCNAIRY	35.23	-88.39	*** 1 FATAL *** ON PERKINS ROAD IN ADAMSVILLE A LARGE TREE FELL ON AND KILLED A 64 YEAR OLD MAN. (MEG)
18:53	--	MILLEDGEVILLE	MCNAIRY	35.38	-88.37	TREES ON HOUSES (MEG)
18:54	--	DECATURVILLE	DECATUR	35.58	-88.12	SEVERAL TREES DOWN AND POWER POLES DAMAGED IN DECAUTARVILLE. (MEG)
18:55	--	PARSONS	DECATUR	35.65	-88.12	MULTIPLE TREES AND POWER LINES DOWN IN AND AROUND THE CITY OF PARSONS. (MEG)
19:00	--	5 W LINDEN	PERRY	35.61	-87.93	TREES WERE BLOWN DOWN ACROSS THE AREA. A DOCK WAS DESTROYED AND METAL STRUCTURES WERE DAMAGED OR DESTROYED AT A CAMPGROUND. (OHX)
19:07	58	4 W CAMDEN	BENTON	36.07	-88.17	CAMDEN TOWER RAWS. (MEG)

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19:13	--	10 S NEW JOHNSONVILLE	HUMPHREYS	35.87	-87.94	SEVERAL 18 WHEELER TRUCKS WERE BLOWN OVER ALONG I-40 ON THE TENNESSEE RIVER BRIDGE. (OHX)
19:20	--	ERIN	HOUSTON	36.32	-87.7	SEVERAL TREES WERE BLOWN DOWN AROUND ERIN. (OHX)
19:25	--	WAVERLY	HUMPHREYS	36.09	-87.79	NUMEROUS TREES AND POWER LINES WERE DOWNED IN THE WAVERLY AREA. ROOFS... SIDING... SHEDS... AND CARPORTS WERE ALSO DAMAGED. (OHX)
19:27	--	5 SSE NEW JOHNSONVILLE	HUMPHREYS	35.96	-87.91	MULTIPLE TREES DOWN... WITH ONE HOME RECEIVING DAMAGE FROM A FALLING TREE. LARGEST TREES DOWN AROUND 2 FEET IN DIAMETER. (OHX)
19:30	--	DECATURVILLE	DECATUR	35.58	-88.12	*** 1 INJ *** A LARGE TREE FELL ON TRAILER HOME AND CAR IN RURAL DECATUR COUNTY. A WOMAN WAS CRITICALLY INJURED. (MEG)
19:30	--	14 S CAMDEN	BENTON	35.86	-88.1	7 SEMI TRUCKS BLOWN OVER ON I-40 BRIDGE OVER TENNESSEE RIVER IN BENTON COUNTY. WINDS WERE ESTIMATED TO BE 70 MPH. (MEG)
19:30	--	MCEWEN	HUMPHREYS	36.11	-87.64	NUMEROUS TREES AND POWER LINES WERE BLOWN DOWN. (OHX)
19:45	--	CUMBERLAND CITY	STEWART	36.38	-87.64	TREES AND POWER LINES WERE BLOWN DOWN. MINOR STRUCTURE AND ROOF DAMAGE WAS REPORTED. (OHX)
20:00	--	5 W CLARKSVILLE	MONTGOMERY	36.55	-87.43	LARGE TREE BRANCH BLOWN DOWN... CAUSING DAMAGE TO FENCE. WINDS ESTIMATED AT 70 MPH. (OHX)
20:10	--	CLARKSVILLE	MONTGOMERY	36.56	-87.35	NUMEROUS TREES AND POWER LINES WERE BLOWN DOWN IN THE CLARKSVILLE AREA... ESPECIALLY THE WEST AND NORTH SIDES. ALSO... A COUPLE OF ROOF DAMAGE REPORTES WERE RECEIVED. (OHX)
20:15	--	CLARKSVILLE	MONTGOMERY	36.56	-87.35	NUMEROUS TREES AND POWER LINES WERE BLOWN DOWN. TREES FELL ON ROOFS AND CARS IN THE AREA AND SOME SHEDS WERE DESTROYED. (OHX)
20:30	--	CLARKSVILLE	MONTGOMERY	36.56	-87.35	NUMEROUS TREES AND POWER LINES WERE BLOWN DOWN IN THE CLARKSVILLE AREA... ESPECIALLY THE WEST AND NORTH SIDES. ALSO... A COUPLE OF ROOF DAMAGE REPORTES WERE RECEIVED. (OHX)

Oct 31:



Tornado Reports:

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
15:45	UNK	1 NE TAZEWELL	CLAIBORNE	36.47	-83.56	PATH LENGTH 1.5 MILES. MAX WIDTH 200 YARDS. (MRX)

Wind Reports:

Time (UTC)	Speed	Location	County	Lat	Lon	Comments
14:45	--	3 ESE KINGSTON	ROANE	35.86	-84.46	NUMEROUS TREES AND POWER LINES DOWN ALONG LADDRIDGE RD. (MRX)
15:00	--	1 N BRADBURY	ROANE	35.88	-84.39	BARN ROOF RIPPED OFF. POLE BARN FLATTENED AND MULTIPLE TREES DOWN. (MRX)
15:04	--	2 NE CLINTON	ANDERSON	36.11	-84.11	A LARGE TREE FELL ON A HOUSE CAUSING EXTENSIVE DAMAGE. (MRX)
15:15	--	2 SSW NORRIS	ANDERSON	36.19	-84.07	TREES DOWN ON PINE RD. (MRX)
15:24	--	2 S HALLS	KNOX	36.05	-83.93	*** 1 INJ *** A LARGE TREE WAS BLOWN ONTO THE SOUTH BOUND LANES OF BROADWAY ST. AT JACKSBORO PIKE. THE TREE SMASHED INTO A MINIVAN IN THAT LANE. ONE MAN WAS CRITICALLY (MRX)
15:25	--	HALLS	KNOX	36.08	-83.93	TREES AND POWER LINES DOWN. (MRX)
15:30	--	2 NW BEARDEN	KNOX	35.96	-84.03	LARGE TREE DOWN ON DICK LONAS RD NEAR THE INTERSECTION WITH AMHERST RD. (MRX)
15:30	--	MAYNARDVILLE	UNION	36.24	-83.81	FEW TREES DOWN ACROSS THE COUNTY. (MRX)
15:40	--	NEW TAZEWELL	CLAIBORNE	36.45	-83.6	NUMEROUS TREES DOWN. (MRX)
15:40	--	TAZEWELL	CLAIBORNE	36.46	-83.57	COUPLE TREES DOWN. (MRX)
15:50	--	RUTLEDGE	GRAINGER	36.28	-83.51	TREES DOWN. (MRX)
15:55	--	3 WNW DANDRIDGE	JEFFERSON	36.04	-83.47	TREES DOWN ALONG CLINE RD. (MRX)

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15:55	--	4 ESE JEFFERSON CITY	JEFFERSON	36.09	-83.43	TREES DOWN ALONG EAST DUMPLIN VALLEY RD. (MRX)
16:00	--	3 NW WHITE PINE	JEFFERSON	36.13	-83.34	TREES DOWN ON VALLEY HOME RD. (MRX)
16:00	--	THORN HILL	GRAINGER	36.36	-83.44	TREES DOWN. (MRX)
16:30	--	4 NNE CEDAR CREEK	GREENE	36.07	-82.87	TREE DOWN ON ASHEVILLE HWY. (MRX)
16:30	--	4 SSE MOSHEIM	GREENE	36.13	-82.92	TREE DOWN ON WARRENSBURG RD. (MRX)
16:30	--	4 SE ROMEO	GREENE	36.25	-82.89	TREE DOWN ON REED RD. (MRX)
16:30	--	ROGERSVILLE	HAWKINS	36.41	-83.01	TREE DOWN. (MRX)
3:24	--	2 S HALLS	KNOX	36.05	-83.93	*** 1 FATAL *** VAN CRUSHED BY FALLEN TREE ON SOUTH BOUND LANE OF BROADWAY ST.... NEAR JACKSBORO PIKE. THE MALE OCCUPANT EARLIER REPORTED AS CRITICALLY INJURED HAD DIED (MRX)

CPC Outlooks for the Next Month:

The NOAA climate prediction center outlooks for November show most of Tennessee has a 33% chance of below normal temperatures, with the exception of the southeast corner of the state. The western half of the state will likely see below normal precipitation patterns, with West Tennessee given a 40% chance of below normal conditions and western Middle Tennessee a 33% chance of below normal precipitation. The eastern half of the state has equal chances of recording above, below, or normal precipitation for November.

