

June 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:

June 2023 was cooler than normal for most of Tennessee, with the eastern half of the state averaging 2-4°F below the 1991-2020 30-year climate normals for June. Some areas in the mountains and northeast Tennessee were even cooler, with an average monthly temperature that was 4-6°F below normal. The western half of the state was also below normal, but closer to the normal range, with most areas averaging 0-2°F below normal. The month started and ended with warm periods, but the majority of the month had below normal temperatures. There were 9 broken and 2 tied daily low temperature records set at weather stations with at least a 30-year reporting history this month. Additionally, there were 43 broken and 12 tied daily records for coolest high temperatures set this month, including 14 at weather stations with at least a 100-year history. There was 1 monthly record for the coolest high temperature measured in June, at Rogersville with a high of only 62°F on June 8, beating the previous June record set in 1956 by 1-degree. On the warm side of the record books, there were no record high temperatures recorded this month, and only 1 broken and 2 tied daily records for warmest low temperature. The record warm low temperature was set at the Memphis International Airport, with a low of 81°F on June 30.

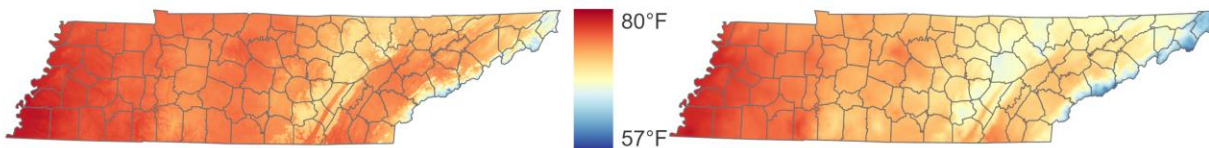


June 2023 Mean Temperature

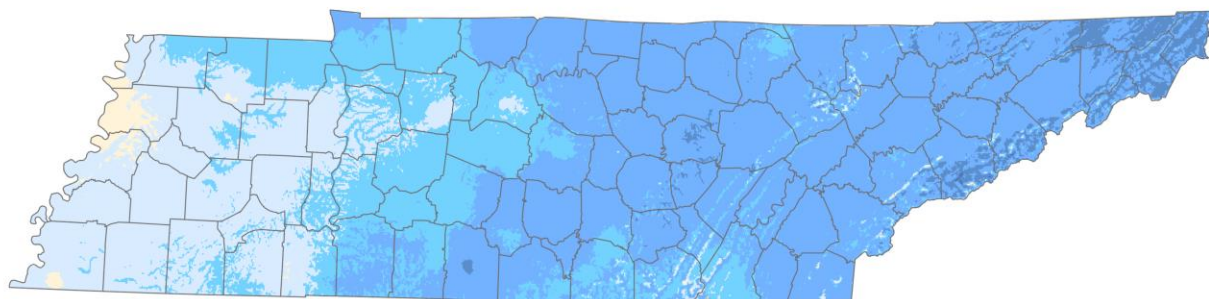


Normal Temperatures

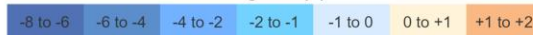
Observed Temperatures



Departure from Normal Temperature



Degrees (F)



Stations with the highest mean temperature

Station Name	Station Type	Mean Temperature (F)
MEMPHIS INTERNATIONAL AP	WBAN	79.4
DYERSBURG MUNICIPAL AIRPORT	WBAN	77.7
MEMPHIS WFO	WBAN	77.6
BROWNSVILLE	COOP	76.8
SHILOH NMP TENNESSEE	RAWS	76.6

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

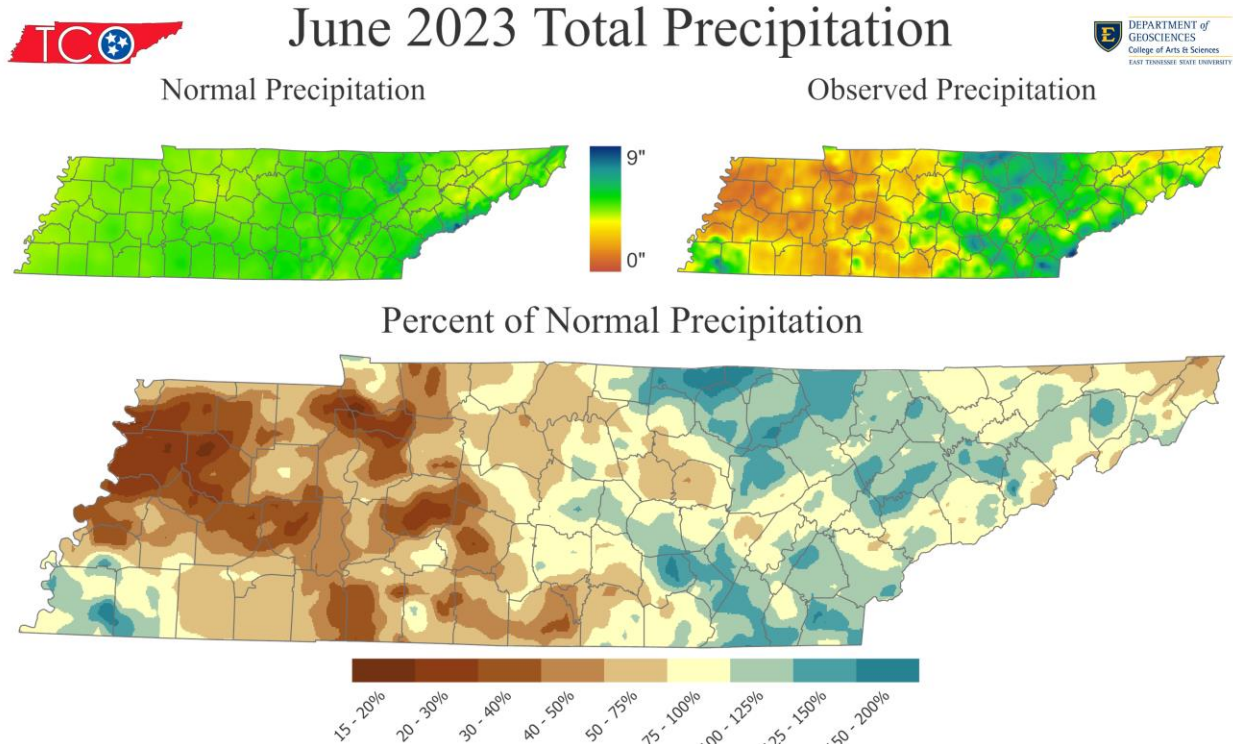
Stations with the lowest mean temperature

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	COOP	51.7
NEWFOUND GAP	COOP	60.2
ROAN MOUNTAIN 3SW	COOP	61.5
CHEROKEE TENNESSEE	RAWS	63.7
MOUNTAIN CITY 2	COOP	64.2

Monthly Precipitation Summary:

June continued the dry trend of the previous months for many areas of West Tennessee, with below normal precipitation for most areas week-to-week through June. The Memphis area was one exception to this, with heavy storms training through the southwestern corner of the state in the second and third weeks of the month. In the eastern half of the state, there were several areas, notably the northern Cumberland Plateau and southeast Tennessee, with above normal rainfall, with most of that coming in the second half of the month; however, there were some spotty areas of below normal precipitation as well. In the areas that did get above average rainfall for the month, most of that precipitation came in the form of heavy downpours, and there were 16 broken and 2 tied daily records for highest precipitation totals set this month across the state. Those records included three at weather stations with over a 100-year reporting history.

Due to the continuing dry conditions in the western half of the state, there were major increases in the amount of Abnormally Dry (D0) conditions in Tennessee on the U.S. Drought Monitor this month, and some areas of Moderate Drought (D1) were added to the state.



Stations with the most precipitation

Station Name	Station Type	Total Precipitation (in)
BENTON 2.3 ESE	CoCoRaHS	9.49
CLARKRANGE 6.0 NE	CoCoRaHS	9.39
MT LECONTE	COOP	8.69
GRUETLI-LAAGER 1.3 E	CoCoRaHS	8.06
CELINA 0.3 NNE	CoCoRaHS	7.92

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

Stations with the least precipitation

Station Name	Station Type	Total Precipitation (in)
CLARKSVILLE NO.2	COOP	0.85
CEDAR HILL 2.6 N	CoCoRaHS	0.87
DYERSBURG MUNICIPAL AIRPORT	WBAN	1
TENNESSEE RIDGE	COOP	1.14
MADISON 1.2 WSW	CoCoRaHS	1.15

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	88.8	70.0	79.4	-0.5	97	6/30	64	6/13	5.40	+1.41	135%
Jackson	87.9	63.8	75.9	-0.5	96	6/30	55	6/13	2.10	-2.66	44%
Clarksville	87.3	62.8	75.1	+0.1	100	6/30	50	6/9	1.68	-1.97	46%
Nashville	87.3	64.5	75.9	-1.2	97	6/30	54	6/13	3.38	-0.98	78%
Chattanooga	85.8	64.4	75.1	-2.3	92	6/3	56	6/10	5.49	+1.31	131%
Crossville	78.0	56.7	67.4	-2.8	84	6/30	46	6/9	7.27	+2.34	147%
Knoxville	83.0	62.6	72.8	-2.5	90	6/3	51	6/9	6.01	+1.77	142%
Bristol	80.6	57.1	68.9	-3.4	89	6/3	44	6/9	3.29	-0.63	84%

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
CLARKSVILLE WWTP	COOP	101	29
CLARKSVILLE OUTLAW AP	WBAN	100	30
DYERSBURG MUNICIPAL AIRPORT	WBAN	99	30
MEMPHIS WFO	WBAN	99	30
COLUMBIA 3 WNW	COOP	97	30
WAYNESBORO	COOP	97	30
TENNESSEE RIDGE	COOP	97	26
JACKSON 4 NE	COOP	97	30
MEMPHIS INTERNATIONAL AP	WBAN	97	30
NASHVILLE INTL AP	WBAN	97	30

Coldest Stations (lowest minimum temperature)

Station Name	Station Type	Lowest Temperature (F)	Date
MT LECONTE	COOP	35	10
ROAN MOUNTAIN 3SW	COOP	38	10
MOUNTAIN CITY 2	COOP	39	9
NEWFOUND GAP	COOP	41	9
CHEROKEE TENNESSEE	RAWS	42	9
ERWIN 1 W	COOP	43	10
PICKETT STATE PARK	COOP	43	9
GREENEVILLE EXP STA	COOP	44	9
ELIZABETHTON	COOP	44	9
ROGERSVILLE 1 NE	COOP	44	9
MAYNARDVILLE	COOP	44	9
TAZEWELL	COOP	44	9
ONEIDA	COOP	44	9
CELINA	COOP	44	2
CROSSVILLE AREA OFFICE TENNESS	RAWS	44	9
BRISTOL AP	WBAN	44	9

Nine stations tied for the 8th coldest temperature (44°F)

Warmest Stations (highest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
MEMPHIS INTERNATIONAL AP	WBAN	79.4
DYERSBURG MUNICIPAL AIRPORT	WBAN	77.7
MEMPHIS WFO	WBAN	77.6
BROWNSVILLE	COOP	76.8
SHILOH NMP TENNESSEE	RAWS	76.6
CLARKSVILLE WWTP	COOP	76.2
WAYNESBORO	COOP	76.1
SAVANNAH 6 SW	COOP	76
JACKSON MCKELLAR- SIPES AP	WBAN	75.9
NASHVILLE INTL AP	WBAN	75.9

Cooltest Stations (lowest mean temperatures)

Station Name	Station Type	Mean Temperature (F)
MT LECONTE	COOP	51.7
NEWFOUND GAP	COOP	60.2
ROAN MOUNTAIN 3SW	COOP	61.5
CHEROKEE TENNESSEE	RAWS	63.7
MOUNTAIN CITY 2	COOP	64.2
TOWNSEND 5S	COOP	65
CROSSVILLE 7 NW	WBAN	65.5
GATLINBURG 2 SW	COOP	65.8
ERWIN 1 W	COOP	65.8
CROSSVILLE EXP STN	COOP	66

Wettest Stations (highest precipitation totals):

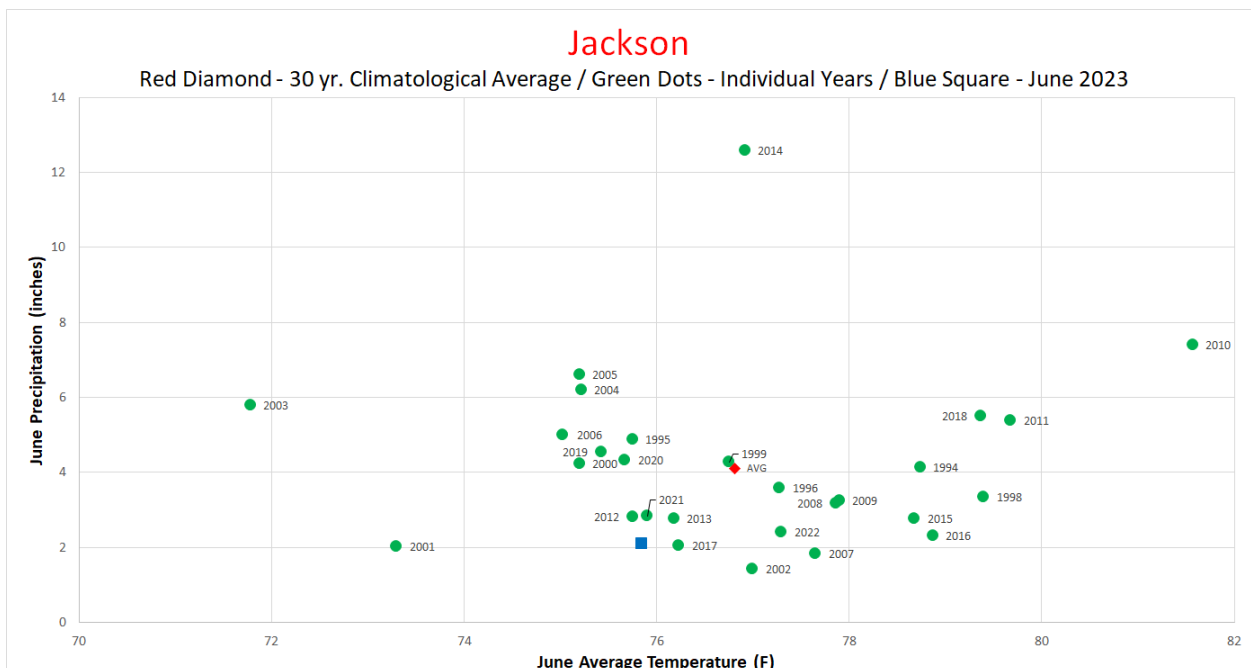
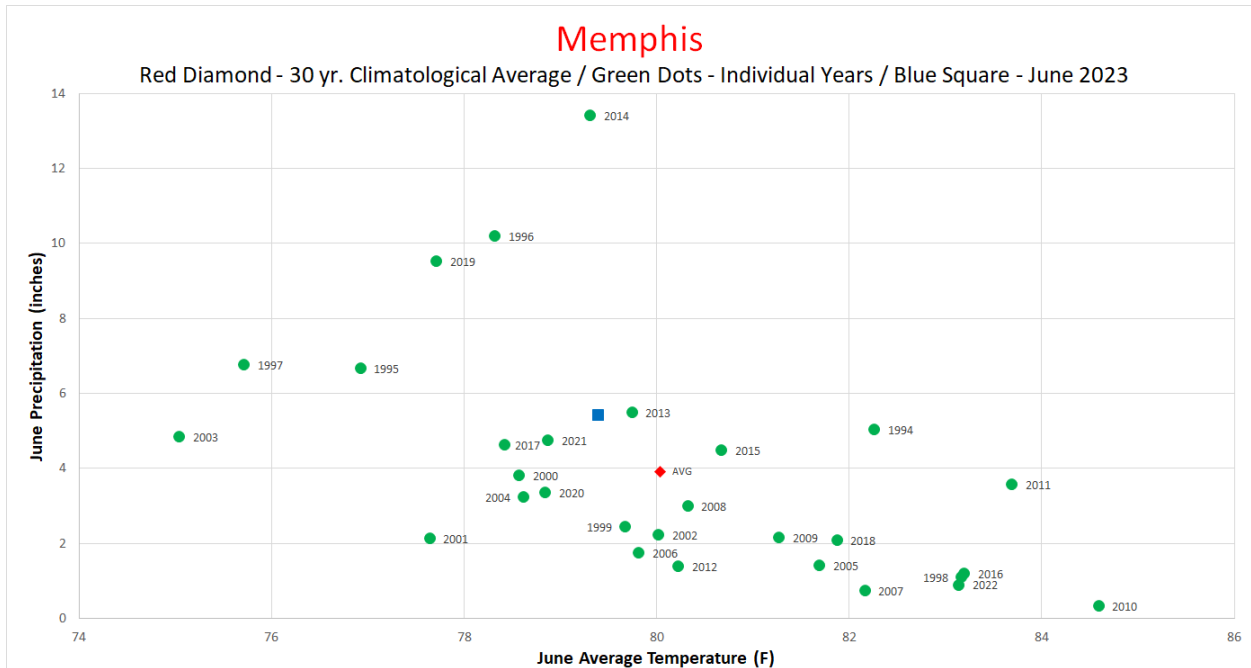
Station Name	Station Type	Total Precipitation (in)
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CLARKRANGE 6.0 NE	CoCoRaHS	9.39
MT LECONTE	COOP	8.69
GRUETLI-LAAGER 1.3 E	CoCoRaHS	8.06
CELINA 0.3 NNE	CoCoRaHS	7.92
BYRDSTOWN	COOP	7.92
LIVINGSTON 4.1 WSW	CoCoRaHS	7.57
BYRDSTOWN 2.8 SSW	CoCoRaHS	7.55
FAIRFIELD GLADE 0.1 NNW	CoCoRaHS	7.44
FRIENDSVILLE 4.6 NE	CoCoRaHS	7.39

Driest Stations (lowest precipitation totals):

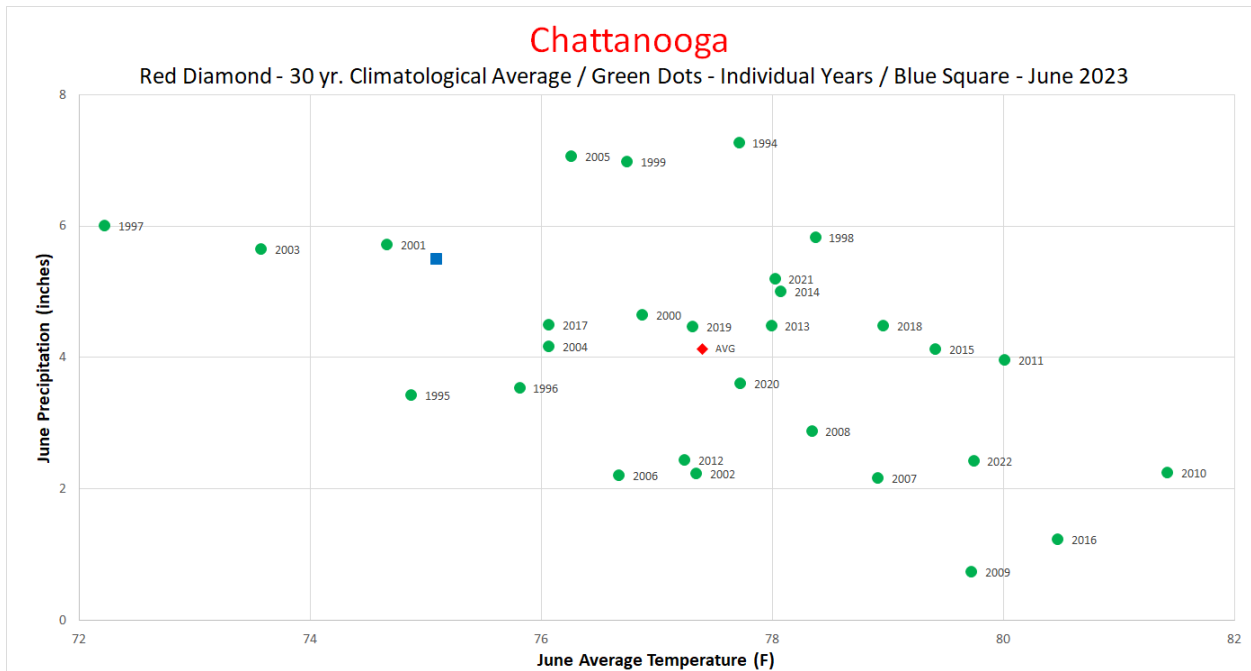
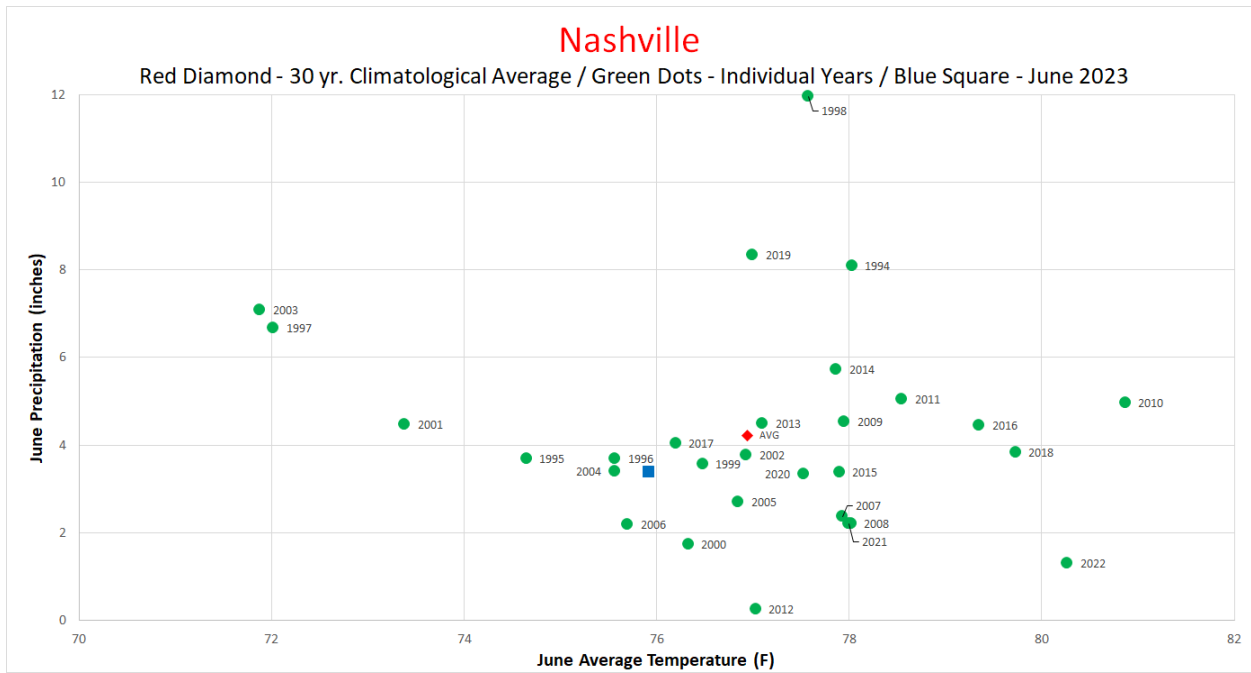
Station Name	Station Type	Total Precipitation (in)
CLARKSVILLE NO.2	COOP	0.85
CEDAR HILL 2.6 N	CoCoRaHS	0.87
DYERSBURG MUNICIPAL AIRPORT	WBAN	1
TENNESSEE RIDGE	COOP	1.14
MADISON 1.2 WSW	CoCoRaHS	1.15
RIDGETOP 3.8 SW	CoCoRaHS	1.18
CLARKSVILLE 3.4 NNW	CoCoRaHS	1.3
CLARKSVILLE WWTP	COOP	1.3
COLUMBIA 1.2 SSW	CoCoRaHS	1.32
CLARKSVILLE 5.4 WSW	CoCoRaHS	1.4

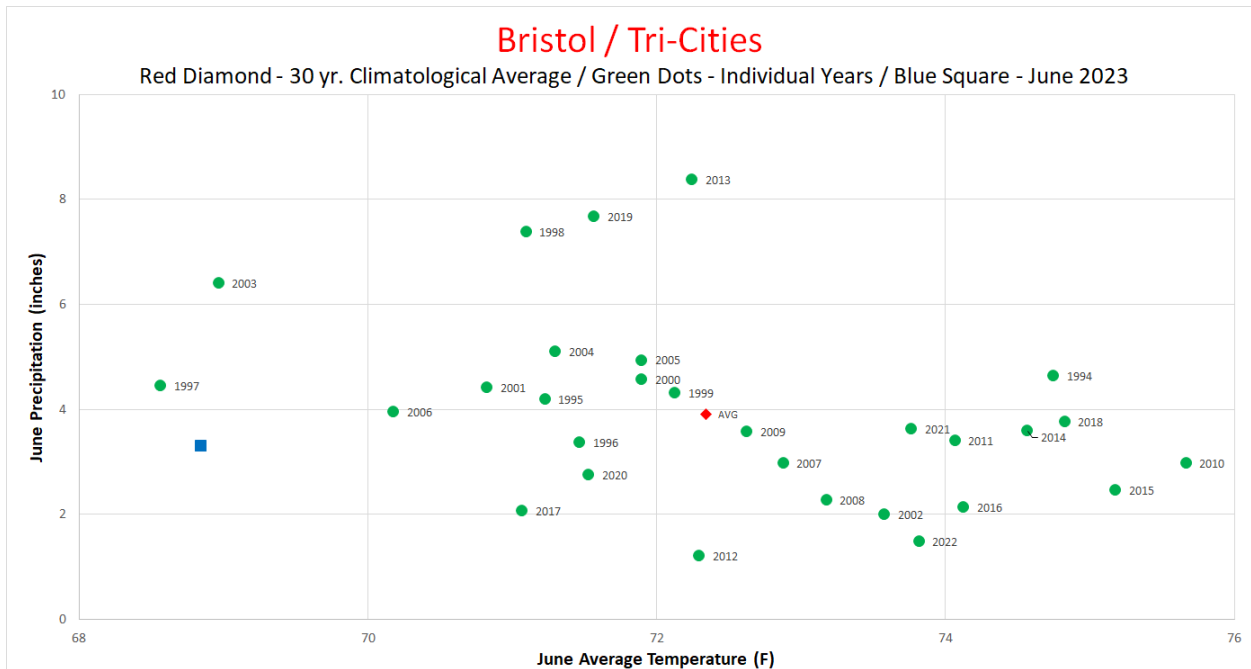
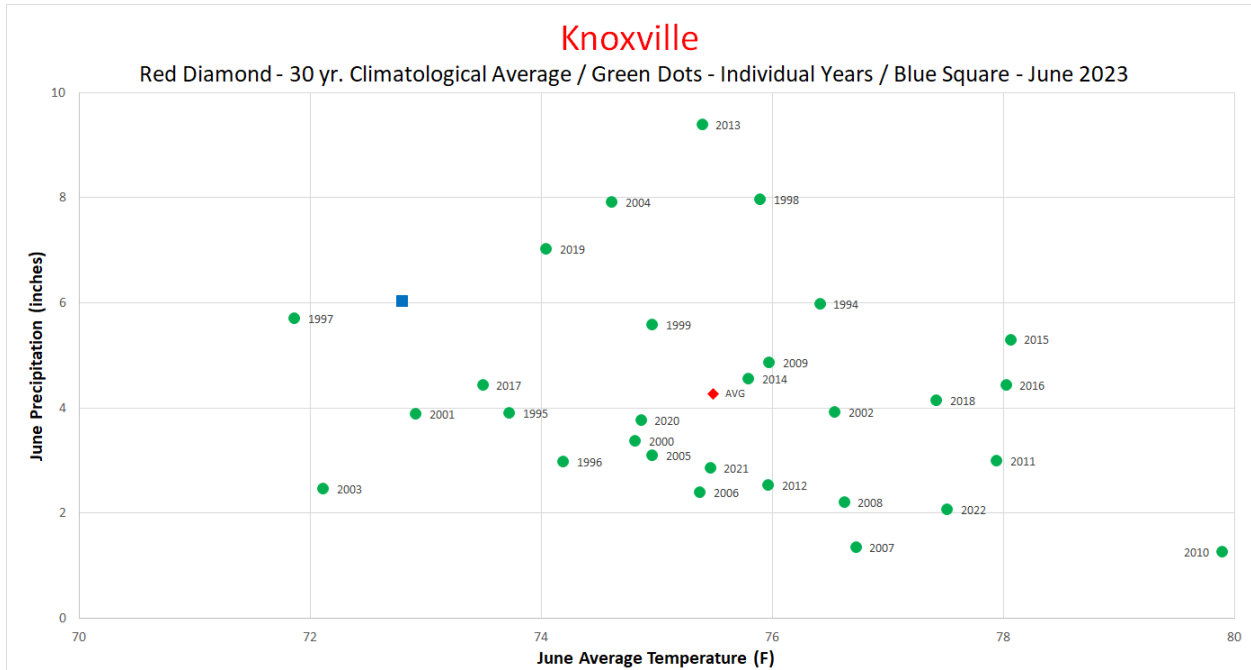
The Month in Comparison:

June 2023 was cooler than the average temperature of June over the past 30-years, with the eastern half of the state being cooler than the western half. The Bristol/Tri-Cities airport had its second coolest June of the past 30 years, coming in just 0.28°F warmer than 1997, it was also the 3rd coolest June for Knoxville, and 5th coolest June for Chattanooga in that time period. Looking at the longer-term climate record for these three cities, 2023 was tied for the 7th coolest June for the Tri-Cities, with a 76-year weather history, but Knoxville and Chattanooga did not have a top-ten coolest June, with the weather history for those cities going back 153 and 145 years, respectively. The airports recorded close to normal precipitation, with no station reporting a major outlier for June precipitation this year.



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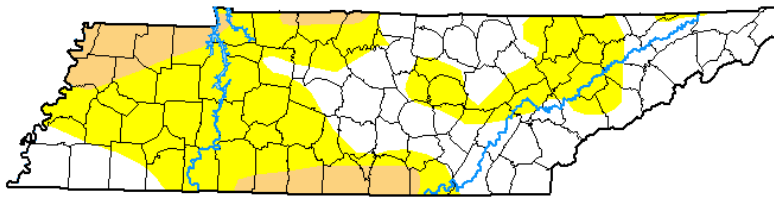


Drought Monitor:

By the end of June over half of the state was shown with Abnormally Dry (D0) or Moderate Drought (D1) conditions on the U.S. Drought Monitor. Compared to May 30, D0/D1 coverage increased from 15.2% to 57.7% of the state (an increase of 42.5% of the state’s area). Moderate Drought (D1) increased from 0% on May 30 to 11.15% on June 27. Most of the increase in drought conditions occurred in the western half of the state, with a few small areas of improved conditions (Abnormally Dry to clear) in the southwestern corner and northeastern portion of the state.

U.S. Drought Monitor Tennessee

June 27, 2023
(Released Thursday, Jun. 29, 2023)
Valid 8 a.m. EDT



Intensity:

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

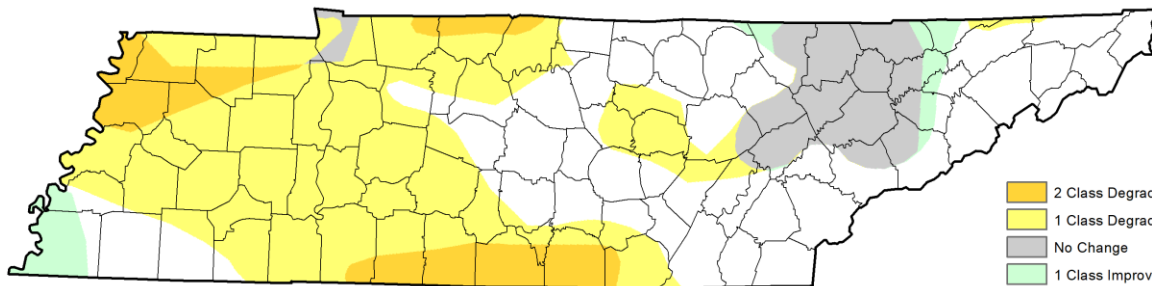
Author:
Curtis Riganti
National Drought Mitigation Center



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

June 27, 2023
compared to
May 30, 2023

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

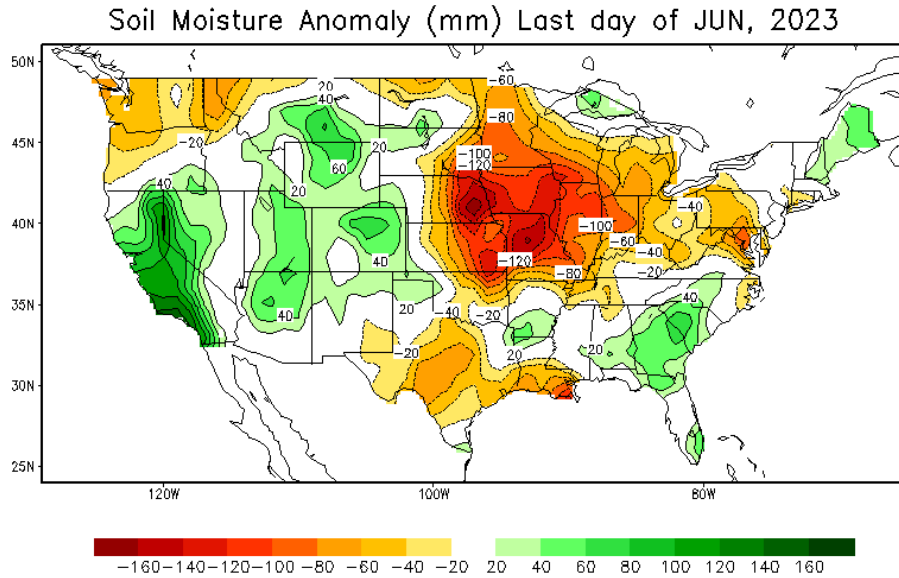


- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement

droughtmonitor.unl.edu

Soil Moisture:

On July 2, the USDA rated topsoil moisture as 6% very short, 23% short, 63% adequate, and 8% surplus. Subsoil moisture was rated as 7% very short, 21% short, 66% adequate, and 6% surplus. Most deficits were in the western half of the state where abnormally dry and drought conditions were present for most of the month.

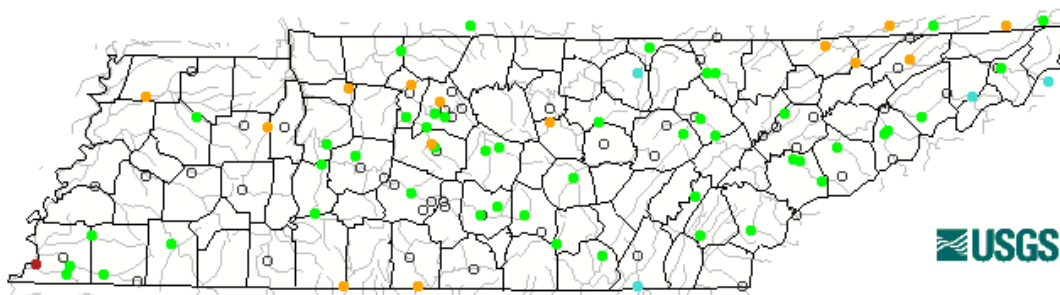


Streamflow:

Streamflow showed mixed conditions across the state averaged for the month of June, this was due to the regional/spotty nature of heavy rainfall across the state during the month. The majority of stream gauges averaged in the normal range (25-75 percentile) for the month, with a few streams scattered across the state (mostly in the northern half) reporting below normal streamflow for the month. A few stream gauges in the eastern half of the state did report above normal streamflow for June.

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

June 2023



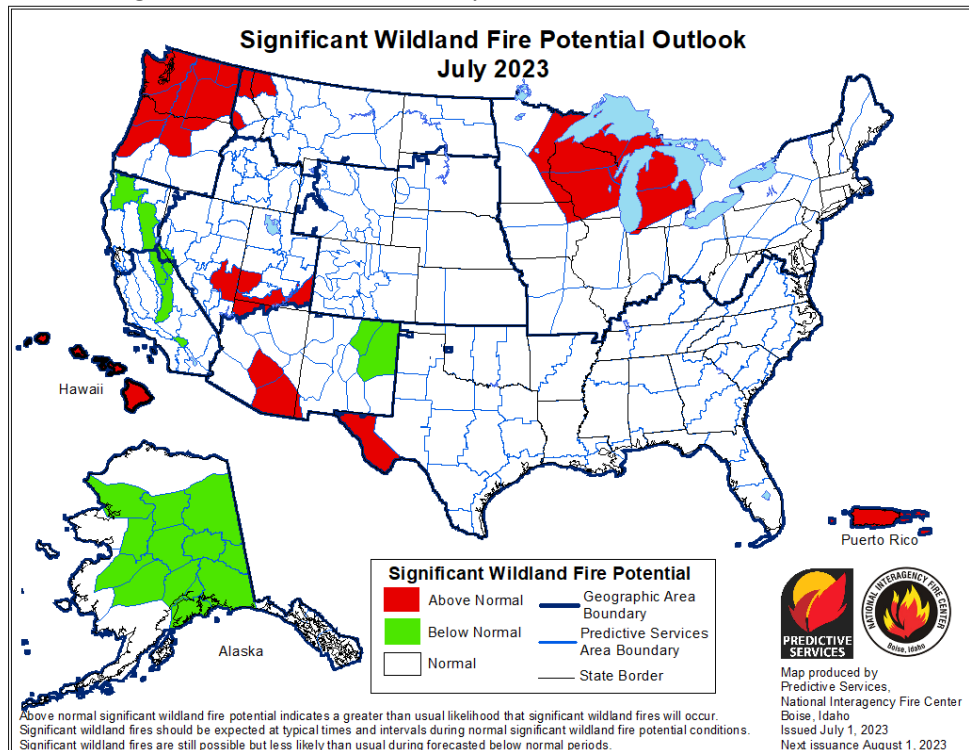
Explanation - Percentile classes							
●	●	●	●	●	●	○	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Miscellaneous:

Crop Conditions from USDA: Dry conditions in the first half of the month caused signs of stress in corn, soybean, and cotton crops across the state. Rains in parts of Middle and East Tennessee helped to improve conditions some in the middle of the month. Widespread rains in the last week of June helped to improve soil moisture and crop conditions across the state. The first cutting of hay was finished in most areas with mixed yields. Winter wheat harvest was underway, with 71% of the crop being harvested by the week ending June 25, and 84% of the crop reported in good or excellent condition, despite fears of damage done by the December 2022 extreme cold outbreak.

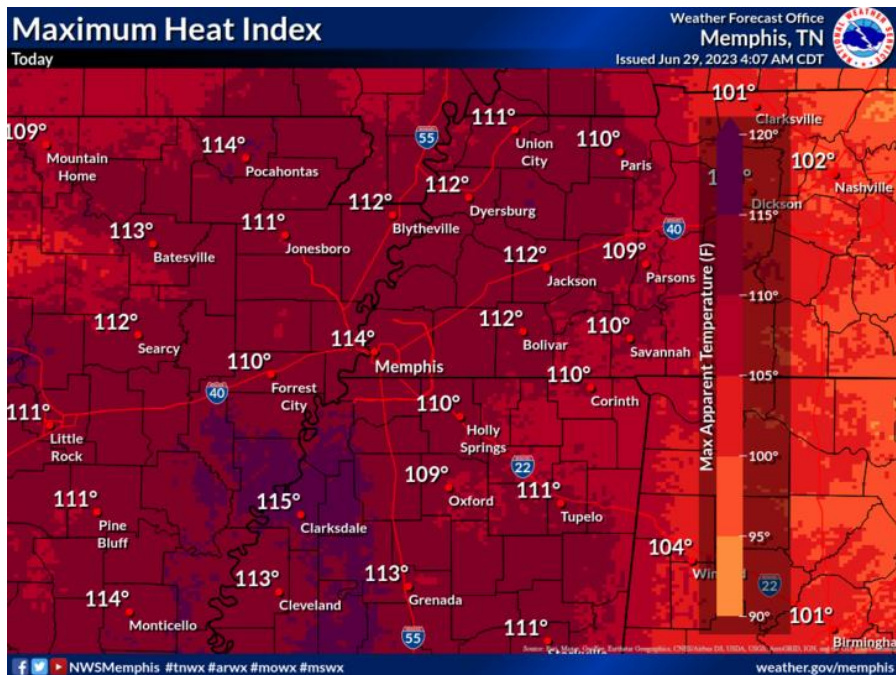
CROP PROGRESS	This Week	Last Week	2022	5 Year Avg.	CONDITION					
					Item	Very Poor	Poor	Fair	Good	Excellent
	Percent					Percent				
Corn – Silking	51	18	41	46	Cotton	4	9	23	51	13
Corn - Dough	4	N/A	2	5	Corn	1	5	22	58	14
Cotton - Squaring	55	33	42	49	Soybeans	1	5	23	56	15
Cotton – Setting Bolls	15	6	9	7	Tobacco	0	5	16	57	22
Winter Wheat - Harvested	88	71	95	93	Pasture	1	10	26	54	9
Soybeans – Emerged	91	83	90	88						
Soybeans – Blooming	39	24	21	19						
Soybeans – Setting Pods	8	N/A	1	1						
Tobacco - Transplanted	94	89	95	N/A						
Tobacco – Topped	5	N/A	N/A	N/A						
Hay – First Cutting	94	92	96	N/A						

Fire Danger: The Interagency Fire Center shows that all of Tennessee and surrounding areas will have a normal potential for significant wildland fires in July.



Story of the Month:

Despite the cooler than normal conditions for June 2023, one of the major weather/climate stories of the month was the high heat and dangerous heat index values that impacted the state in the final days of the month. This heat wave started earlier in the month in the south-central US and shifted eastward and began impacting Tennessee on June 29-30. Heat index values were forecasted to top 110°F during this time for most areas in West and Middle Tennessee, and over 100°F for most areas in East Tennessee. In addition to the high temperatures and heat indexes during the day, overnight low temperatures were also high. The Memphis airport weather station set a record warm low temperature of 81°F on June 30, this was also a monthly record for the warmest low temperature during the month of June at the station. Looking at the longer-term weather history for Memphis, the low of 81°F on the 30th tied the record for warmest low temperature on this date, with the last time it was recorded in the city being in 1882.



Dangerous Heat Ahead

Heat Index (°F) scale: 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120

Heat Index Values Thursday

Map showing Heat Index values for Thursday, June 29, 2023. Values range from 88°F to 107°F. Major cities labeled include Clarksville, Nashville, and Memphis.

Heat Index Values Friday

Map showing Heat Index values for Friday, June 30, 2023. Values range from 98°F to 116°F. Major cities labeled include Clarksville, Nashville, and Memphis.

Heat Safety Tips:

- ✓ Stay hydrated
- ✓ Stay indoors with AC if possible
- ✓ Wear lightweight, loose-fitting, and light-colored clothing
- ✓ Check on those most vulnerable (elderly, those with chronic illness, children)
- ✓ NEVER leave kids or pets in the car

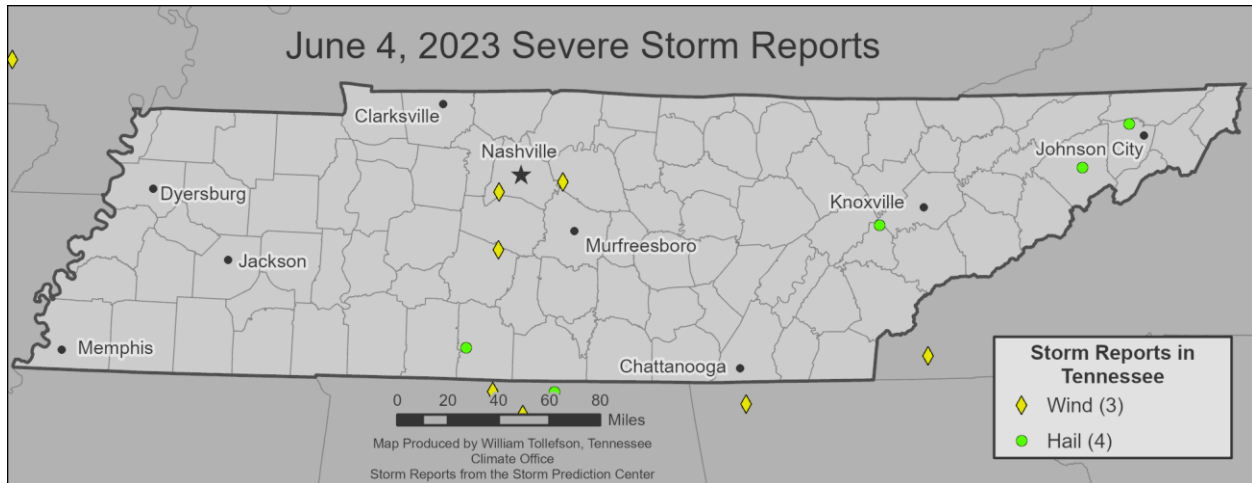
National Weather Service –Nashville, TN Thursday, June 29, 2023

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](https://www.spc.noaa.gov) for any updates.

There were 10 days with severe storm reports during June 2023, with 4 reported tornadoes, 117 reports of severe wind damage, and 29 reports of severe hail (with a diameter of 1" or larger). Sadly, there was 1 reported weather-related fatality, from a severe wind report on June 29, when a person was killed by a falling tree in Maury County.

June 4



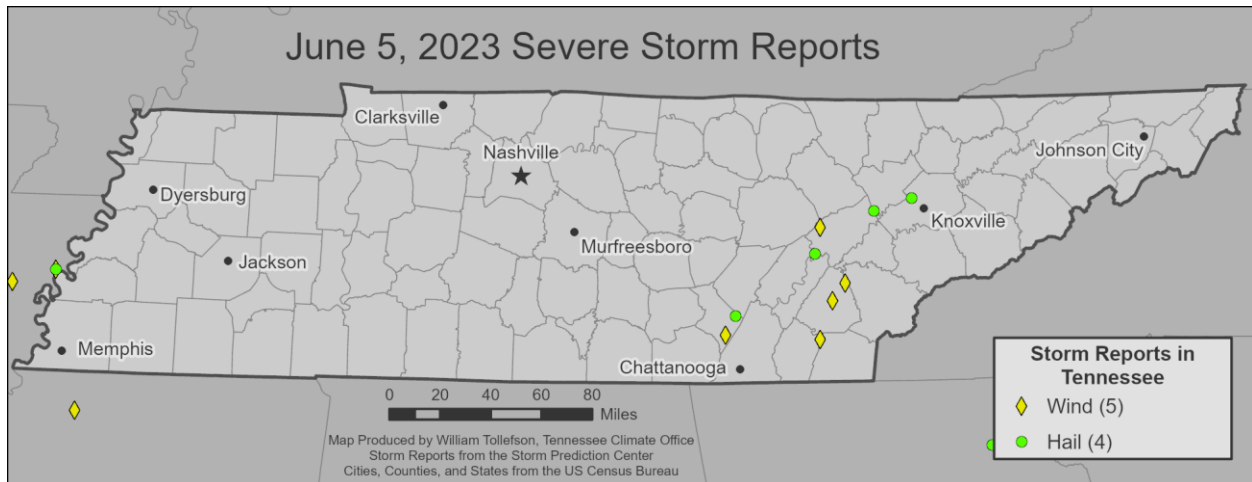
Wind

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
21:24	--	1 WSW Spring Hill	Maury	35.74	-86.94	Social media photos and videos showed a microburst blew down a few small trees in the Crossings shopping center. (OHX)
21:25	--	5 WSW Belle Meade	Davidson	36.07	-86.94	Twitter photo showed a tree blown down onto the driveway of a home in Bellevue. (OHX)
23:10	--	2 NE Rural Hill	Wilson	36.13	-86.49	Facebook photos and reports show several trees blown down in the Tinnell Valley subdivision. (OHX)

Hail

Time (UTC)	Size	Location	County	Lat	Lon	Comments
22:46	1.00	4 W Farragut	Loudon	35.87	-84.26	Report from mPING: Quarter (1.00 in.). (MRX)
23:00	1.25	7 W Pulaski	Giles	35.18	-87.16	Corrects previous hail report from 7 W Pulaski. Tennessee Valley Weather twitter photo showed estimated quarter to half dollar size hail in the Westside community. (OHX)
23:25	1.00	Gray	Washington	36.41	-82.48	Dime to quarter size hail reported. (MRX)
23:55	1.25	Jonesborough	Washington	36.41	-82.48	Hail size between 1 and 1.25 inches reported. (MRX)
0:50	1.25	Greeneville	Greene	36.17	-82.82	Social media video of quarter to ping pong sized hail. (MRX)

June 5



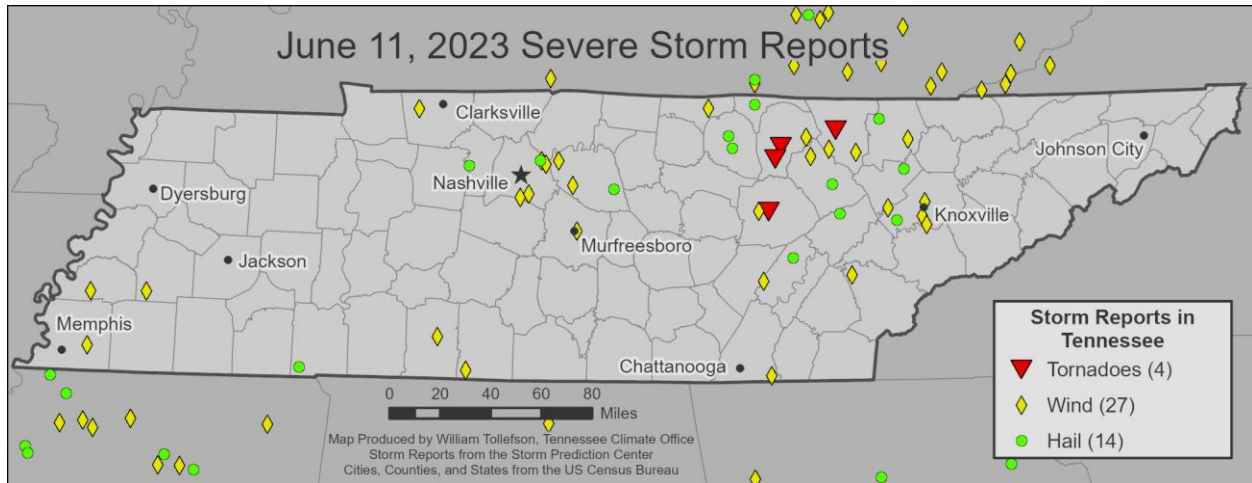
Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
19:00	--	Rockwood	Roane	35.87	-84.68	Few trees down. (MRX)
20:20	--	3 NE Niota	McMinn	35.55	-84.51	A few large trees crossing the highway. (MRX)
21:05	--	Athens	McMinn	35.45	-84.6	A few trees down in Athens. Time estimated from radar. (MRX)
21:45	--	4 NNW Benton	Polk	35.23	-84.69	A few trees down. Time estimated from radar. (MRX)
3:40	--	5 N Lone Oak	Sequatchie	35.26	-85.35	A few trees down. (MRX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
19:30	1.00	Oak Ridge	Anderson	35.96	-84.3	Hail ranging from 1/4 to 1 inch in diameter. (MRX)
19:40	1.00	4 SSE Eagle Furnace	Rhea	35.72	-84.72	Quarter sized hail reported on Watts Bar Lake northeast of Spring City. From Social Media. (MRX)
19:55	1.00	Powell	Knox	36.03	-84.03	(MRX)
2:39	1.00	6 E Dunlap	Sequatchie	35.37	-85.28	(MRX)

June 11:



Tornadoes:

Time (UTC)	Strength	Location	County	Lat	Lon	Comments
21:30	EF1	6 SW Allardt	Fentress	36.32	-84.95	TORNADO TOUCHED DOWN 1.7 MILES SOUTH OF THE JAMESTOWN MUNICIPAL AIRPORT NEAR HIGHWAY 127 AND TRAVELED 10.8 MILES TOWARD THE EAST- NORTHEAST BEFORE LIFTING ALONG SCENIC (OHX)
21:59	EF1	Crossville	Cumberland	35.95	-85.04	TORNADO TOUCHED DOWN NEAR THE INTERSECTION OF HIGHWAY 70N AND MEADOW CREEK IN CROSSVILLE AND LIFTED IMMEDIATELY BEFORE REACHING HIGHWAY 127 JUST NORTH OF I-40. ONE HOUS (OHX)
22:11	EF1	4 W Huntsville	Scott	36.41	-84.56	EF1 TORNADO IN HELENWOOD TN. FROM STORM SURVEY. NUMEROUS TREES DOWN ALONG RUSS LANE. MORE TREES UPROOTED ON SILCOX FORD ROAD. (MRX)
22:58	EF1	5 NNE Clarkrange	Fentress	36.25	-84.99	Corrects previous tornado report from 5 NNE Clarkrange. TORNADO TOUCHED DOWN WEST OF THE INTERSECTION OF BICKNELL RD. AND LEAMON HALL RD. AND TRAVELED TOWARD THE ENE TOWARD THE ENE FOR 1.8 MILES BEFORE LIFTING NORTHEAST OF THE INTERSECTION (OHX) (OHX)

Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
20:15	--	2 E Celina	Clay	36.55	-85.46	Multiple trees down along Campground Road at Dale Hollow Dam Campground. (OHX)
20:58	--	1 NNW Lakewood	Davidson	36.25	-86.64	Twitter report of downed tree at 24th and Dabbs. Time estimated. (OHX)
21:17	--	1 ESE Lakewood	Davidson	36.23	-86.61	Trees down completely blocking the road. (OHX)
21:43	--	6 E Allardt	Fentress	36.38	-84.77	Report of possible tornado and multiple trees down. (OHX)

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Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
21:49	--	1 W Woodlawn	Montgomery	36.54	-87.51	Photo received via Facebook of multiple trees down. (OHX)
21:58	--	4 W Crossville	Cumberland	35.96	-85.11	House significantly damaged. Tornado possible. (OHX)
22:45	--	3 S Oak Hill	Davidson	36.04	-86.79	Downed trees off Old Hickory Blvd. in Brentwood. (OHX)
22:50	--	3 ENE Green Hill	Wilson	36.25	-86.52	Video shared by FOX17 shows thunderstorm wind damage at the Cedar Creek Yacht Club with damaging winds knocking down an outbuilding wall. Time estimated via radar. (OHX)
23:03	60	1 WSW Gladeville	Wilson	36.11	-86.42	(OHX)
23:05	--	3 W Antioch	Davidson	36.06	-86.73	Corrects previous tstm wnd dmg report from 3 W Antioch. Photo received via Facebook of roof damage at a home caused by a large fallen tree. (OHX)
23:25	--	4 WNW Sunbright	Morgan	36.27	-84.74	Trees down. (MRX)
23:35	--	Murfreesboro	Rutherford	35.85	-86.39	Corrects previous tstm wnd dmg report from Murfreesboro. Photo received via Facebook of snapped tree. (OHX)
23:38	--	4 N Germantown	Shelby	35.14	-89.8	Six power poles were severely bent on Germantown Parkway south of Macon Road. (MEG)
23:40	--	2 S Elgin	Scott	36.31	-84.61	A few trees down near Coal Hill Road and Campground Road intersection. Time estimated from radar. (MRX)
0:05	--	1 W Atoka	Tipton	35.45	-89.79	Powerlines were knocked down on cars just north of the Highway 51 and Walker Crossroad intersection in Atoka. Tree limbs were also down on Highway 51 in the Atoka area. (MEG)
0:40	--	1 W Lawrenceburg	Lawrence	35.24	-87.36	Corrects previous tstm wnd dmg report from 1 W Lawrenceburg. Photos received via Facebook of a tree on top of a house. (OHX)
0:40	--	Stanton	Haywood	35.46	-89.4	Trees and powerlines down on Cherry St in Stanton. (MEG)
0:55	--	1 NNE Minor Hill	Giles	35.05	-87.16	Tree fell through home. (OHX)
1:08	--	3 W Smokey Junction	Scott	36.29	-84.42	Numerous trees down in southern and southeast part of Scott County. (MRX)
1:22	--	1 N Knoxville	Knox	36	-83.94	Multiple reports of downed trees and power outages around Downtown Knoxville through East Knox County. (MRX)
1:30	--	3 S Fincastle	Campbell	36.36	-84.05	Trees down along Cedar Creek Road. East of La Follette. Time estimated by radar. (MRX)

June 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
1:50	--	6 NW Dayton	Rhea	35.56	-85.08	County dispatch reported multiple trees and power lines down in the county... especially in the southern end of the county. Time estimated from Radar. (MRX)
1:50	--	5 W Karns	Knox	35.97	-84.2	Tree blown down blocking two lanes of road. (MRX)
2:10	--	3 ESE Bearden	Knox	35.92	-83.96	Several trees blown down across Knox County... with at least one blocking a roadway. (MRX)
2:25	--	1 SE Sweetwater	Monroe	35.59	-84.46	Several trees down and damage to a porch in Sweetwater. Homeowner sent pictures. Time estimated from radar. (MRX)
2:34	--	5 N Eagleton Village	Blount	35.87	-83.93	Trees down next to Flex-N-Gate Company in Rockford TN. Power poles broken. Reported by Trained Spotter. (MRX)
3:15	--	2 SE Collegedale	Hamilton	35.02	-85.03	Numerous trees and powerlines down in Apison... TN. Location at intersection of Bill Jones Road... Park Place and Old East Brainerd Road. Pictures from social media. Ti (MRX)

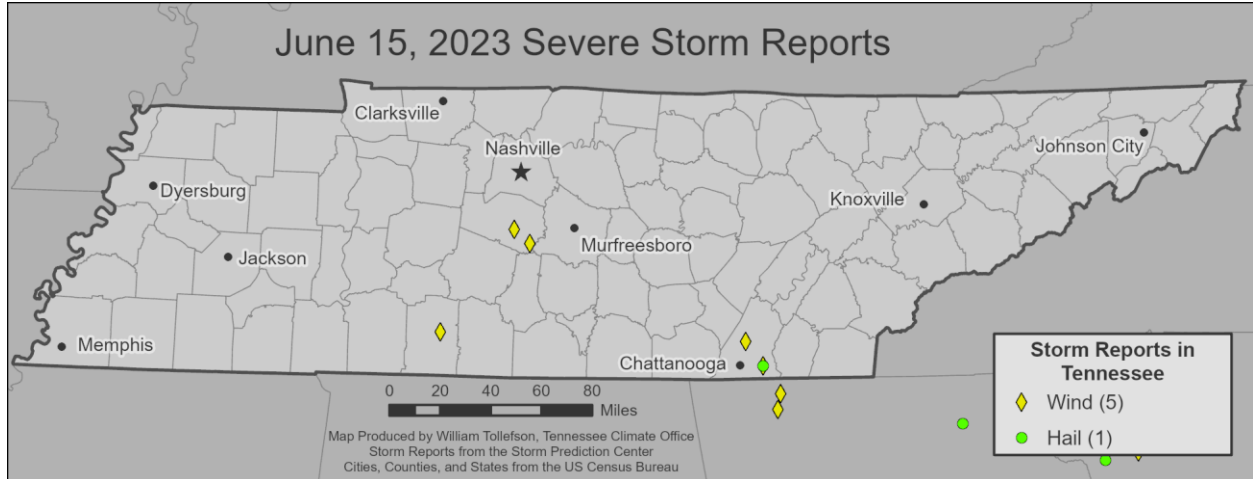
Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
19:10	1.00	6 SW Ashland City	Cheatham	36.22	-87.15	Photo received via Facebook of 1.00 inch hail. (OHX)
19:24	1.50	1 SE Watertown	Wilson	36.09	-86.13	Corrects previous hail report from 1 SE Watertown. 1.5 inch hail reported along Neal Road in Watertown. (OHX)
20:06	1.75	Byrdstown	Pickett	36.57	-85.13	Photo received via Facebook of golf ball sized hail. (OHX)
20:10	1.00	6 SW Ashland City	Cheatham	36.22	-87.15	Corrects previous hail report from 6 SW Ashland City. Photo received via Facebook of 1.00 inch hail. (OHX)
20:52	1.00	5 SSE Livingston	Overton	36.32	-85.29	1-inch hail reported via mPING. (OHX)
20:58	1.00	1 NW Lakewood	Davidson	36.25	-86.65	Twitter photo of quarter sized hail at Old Hickory Country Club. (OHX)
21:55	1.50	Livingston	Overton	36.39	-85.32	Photo received via Facebook showing 1.5 inch hail. (OHX)
22:40	1.50	1 NW Spring City	Rhea	35.69	-84.87	Quarter to ping pong ball sized hail reported along Highway 68. (MRX)
22:45	1.25	Elk Valley	Campbell	36.48	-84.25	Quarter to half dollar sized hail reported in Elk Valley. (MRX)
22:55	1.00	Wartburg	Morgan	36.11	-84.59	Quarter sized hail reported in Wartburg... TN. (MRX)
23:28	1.00	4 W Pickwick Dam	Hardin	35.05	-88.32	Quarter size hail south of Shiloh. (MEG)

June 2023 Tennessee State Climate Summary

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
23:35	1.00	1 ENE Harriman	Roane	35.94	-84.54	Quarter sized hail fell for a couple of minutes. (MRX)
0:00	1.00	3 ENE Farragut	Knox	35.9	-84.14	Quarter sized hail reported at the intersection of Lovell Road and Kingston Pike. (MRX)
0:00	1.25	2 SW Norris	Anderson	36.19	-84.08	Quarter to half dollar sized hail in Norris... TN. (MRX)

June 15



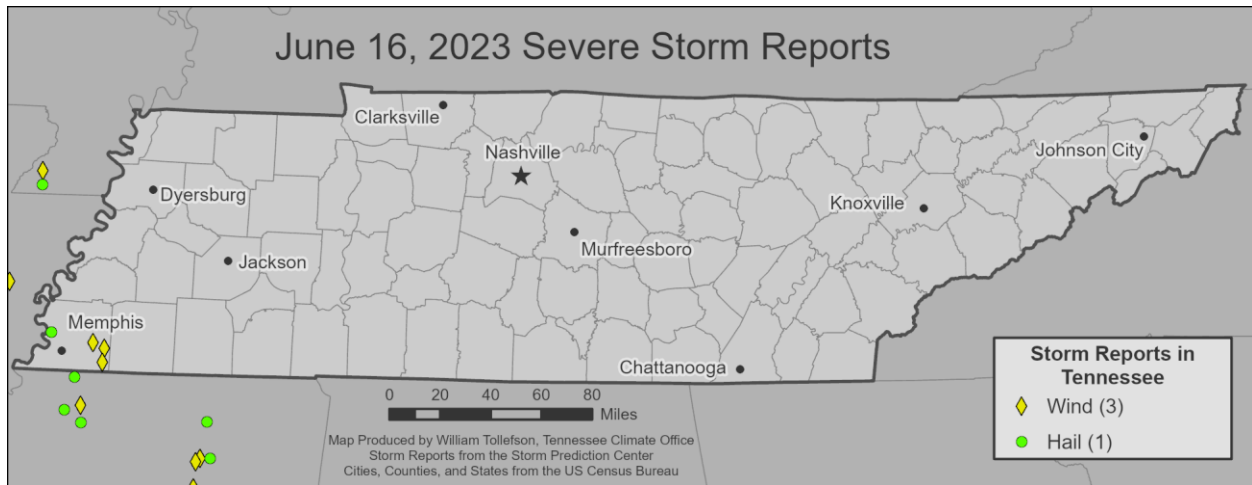
Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:27	--	6 S Franklin	Williamson	35.84	-86.83	Wires down on I-65. Time approximated from radar. (OHX)
19:00	--	4 WNW Eagleville	Williamson	35.76	-86.72	Oak tree snapped near Arno Allisona Road and Giles Hill Road via #tspotter on Twitter. Time approximated from radar. (OHX)
19:12	--	1 NW Middle Valley	Hamilton	35.2	-85.21	A couple trees reported down on powerlines. (MRX)
19:50	--	Ooltewah	Hamilton	35.06	-85.09	A few trees down in and around Ooltewah. (MRX)
21:25	--	Lawrenceburg	Lawrence	35.25	-87.34	EM reports power line fallen onto vehicle at Ada and Palmer Road just off Buffalo Road in Lawrenceburg. (OHX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
19:55	1.00	Ooltewah	Hamilton	35.06	-85.09	Hail video on Twitter. (MRX)

June 16



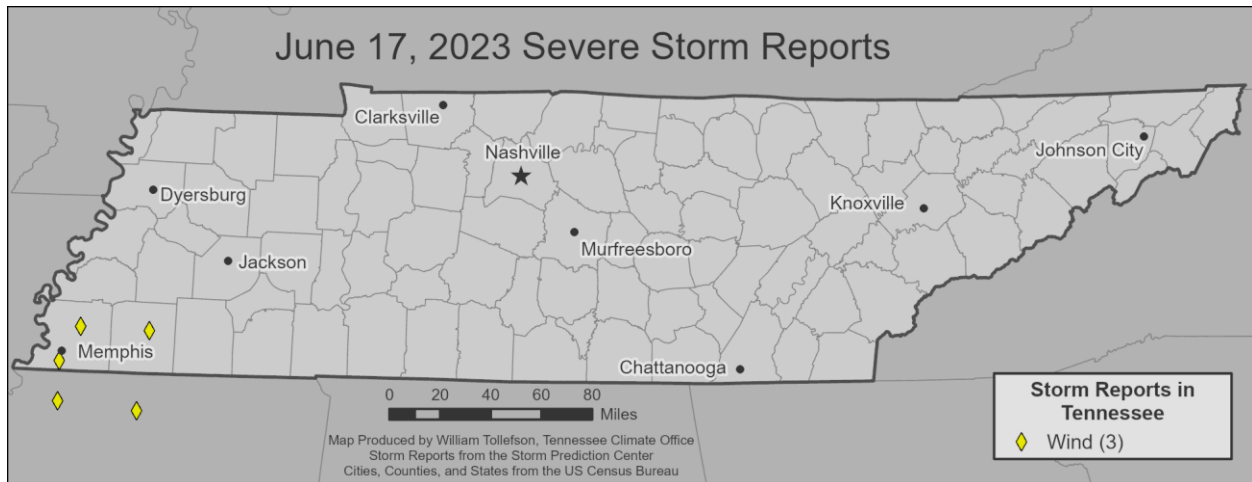
Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
19:05	--	5 N Collierville	Shelby	35.13	-89.68	Tree and power lines down at the intersection of Reid Hooker and Monterey Roads. Time is radar estimated. (MEG)
19:22	--	4 SW EADS	Shelby	35.16	-89.76	Corrects previous tstm wnd dmg report from 5 SSW Lakeland. Several power poles down/snapped on Macon Rd near the intersection of Pisgah Road and Macon Road. (MEG)
20:00	--	1 SW Collierville	Shelby	35.05	-89.69	Media reports power line fell on a car on 72 and Byhailia Rd. (MEG)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
20:07	1.00	4 W Frayser	Shelby	35.21	-90.05	Quarter size hail fell for several minutes near General Dewitt-Spain Airport. (MEG)

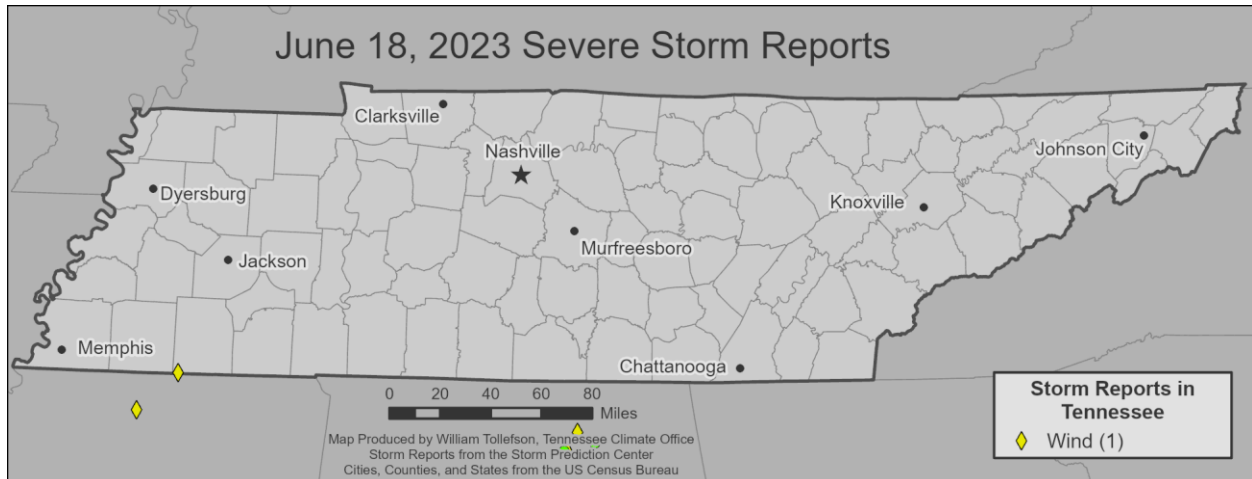
June 17



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
10:14	58	MEM Airport	Shelby	35.05	-89.99	MEM METAR measured 26031G50KT at 514AM CDT. (MEG)
10:25	--	1 NNW Ellendale	Shelby	35.25	-89.85	large tree down near Ellendale Rd. Time is radar estimated. (MEG)
11:17	--	1 WNW Somerville	Fayette	35.24	-89.37	Trees down across hwy 64 in somerville. (MEG)

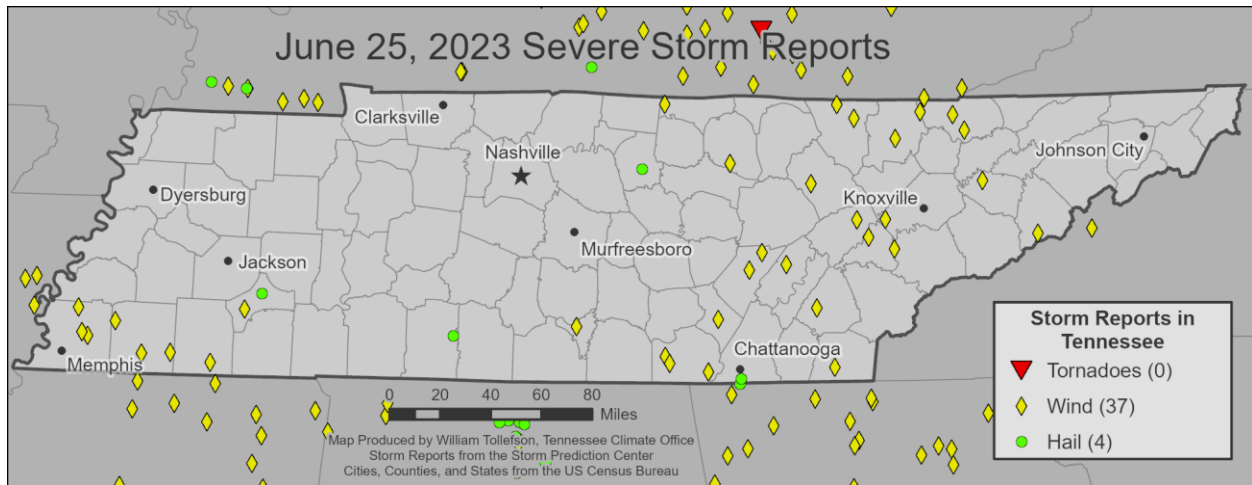
June 18



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
2:35	--	4 SSE Grand Junction	Hardeman	35	-89.16	Corrects previous non-tstm wnd dmg report from 4 SSE Grand Junction. A few trees uprooted and a few large limbs down near the intersection of Indian Creek road and Hold (MEG)

June 25



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
17:37	UNK	3 NNW Bradbury	Roane	35.91	-84.42	Several trees down across the county. (MRX)
17:48	UNK	3 NW Farragut	Knox	35.91	-84.22	Several trees down. (MRX)
18:03	UNK	4 W Lenoir City	Loudon	35.81	-84.34	Numerous trees down across Loudon County. (MRX)
18:05	UNK	1 W Melvine	Bledsoe	35.73	-85.09	A few trees down. (MRX)
18:22	UNK	2 SW Friendsville	Blount	35.74	-84.16	Numerous trees down across the southern end of Blount County. (MRX)
18:45	UNK	2 NNE Pikeville	Bledsoe	35.63	-85.18	Several trees down. (MRX)
18:45	UNK	4 SW Spring City	Rhea	35.66	-84.92	Several trees down. (MRX)
19:15	UNK	2 NNW Riceville	McMinn	35.41	-84.71	Several trees down. (MRX)
19:36	UNK	2 NW Lynchburg	Moore	35.31	-86.39	Report of 6-8 trees down 18-24 inches in diameter in Lynchburg. Time estimated by radar. (HUN)
19:40	UNK	7 SSE Monteagle	Marion	35.14	-85.77	A few trees down. (MRX)
19:42	UNK	4 ESE Parksville	Polk	35.07	-84.59	Several trees down across the county. (MRX)
20:03	UNK	6 NNW South Pittsburg	Marion	35.1	-85.74	Several trees down. (MRX)
20:15	UNK	2 SSW Dunlap	Sequatchie	35.35	-85.4	Few trees down. (MRX)
20:25	UNK	4 ENE Haletown (guild)	Marion	35.05	-85.47	Several reports of trees down across Marion County. (MRX)

June 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
23:35	UNK	Bartlett	Shelby	35.22	-89.84	Corrects previous tstm wnd dmg report from Bartlett. split trees... branches everywhere. (MEG)
23:55	79	2 NNE Millington	Shelby	35.36	-89.87	Corrects previous tstm wnd gst report from 2 NNE Millington. KNQA reports 69kt wind gust. (MEG)
0:00	80	2 ESE Bartlett	Shelby	35.2	-89.8	Six utility poles were snapped along US 64 between Kate Bond Road and North Germantown Parkway. Widespread tree damage in the area with power out to most of Bartlett. (MEG)
0:00	UNK	Bartlett	Shelby	35.22	-89.84	Corrects previous tstm wnd dmg report from Bartlett. Numerous trees down across north Bartlett. (MEG)
0:02	UNK	3 ENE Arlington	Fayette	35.29	-89.61	Trees down near the intersection of Highway 196 and Orr road in Hickory Withe. (MEG)
0:19	UNK	Bartlett	Shelby	35.22	-89.84	Numerous trees down across north Bartlett. (MEG)
0:25	UNK	4 NNW Moscow	Fayette	35.11	-89.42	Corrects previous tstm wnd dmg report from 4 NNW Moscow. Report from mPING: Trees uprooted or snapped. (MEG)
0:25	UNK	5 N Lagrange	Fayette	35.12	-89.22	Trees down near Ames Plantation. (MEG)
0:35	UNK	Bartlett	Shelby	35.22	-89.84	split trees... branches everywhere. (MEG)
0:42	UNK	4 NNW Moscow	Fayette	35.11	-89.42	Report from mPING: Trees uprooted or snapped; Roof blown off. (MEG)
0:52	UNK	3 WNW Middleton	Hardeman	35.07	-88.94	Trees and powerlines down on C Allen Lane. (MEG)
1:08	UNK	5 N Masseyville	Chester	35.38	-88.71	Dime sized hail and 60 mph winds. (MEG)
5:05	UNK	5 NNW Oneida	Scott	36.57	-84.55	A few trees down. (MRX)
5:30	UNK	6 NE Red Boiling Spring	Clay	36.58	-85.77	Trees and power lines were reported down across the county with power outages... including several in the Hermitage Springs area. (OHX)
5:40	UNK	5 E Oneida	Scott	36.49	-84.43	A few trees down. (MRX)
5:45	UNK	5 SW Arthur	Claiborne	36.5	-83.73	Several trees down. (MRX)
5:49	UNK	8 NNW Monterey	Overton	36.24	-85.31	12 inch diameter tree down near Hwy 293 and Ernest Loper Road east of Rickman. (OHX)
5:50	UNK	2 S Clairfield	Claiborne	36.52	-83.96	Few trees down. (MRX)
5:57	UNK	1 WSW La Follette	Campbell	36.37	-84.14	Several trees down. (MRX)
5:59	UNK	5 ESE High Point	Morgan	36.12	-84.74	Tree and power line down near Jett Bridge. (MRX)
6:17	UNK	2 ENE Sandlick	Claiborne	36.41	-83.65	Trees and power lines down across parts of the county. (MRX)

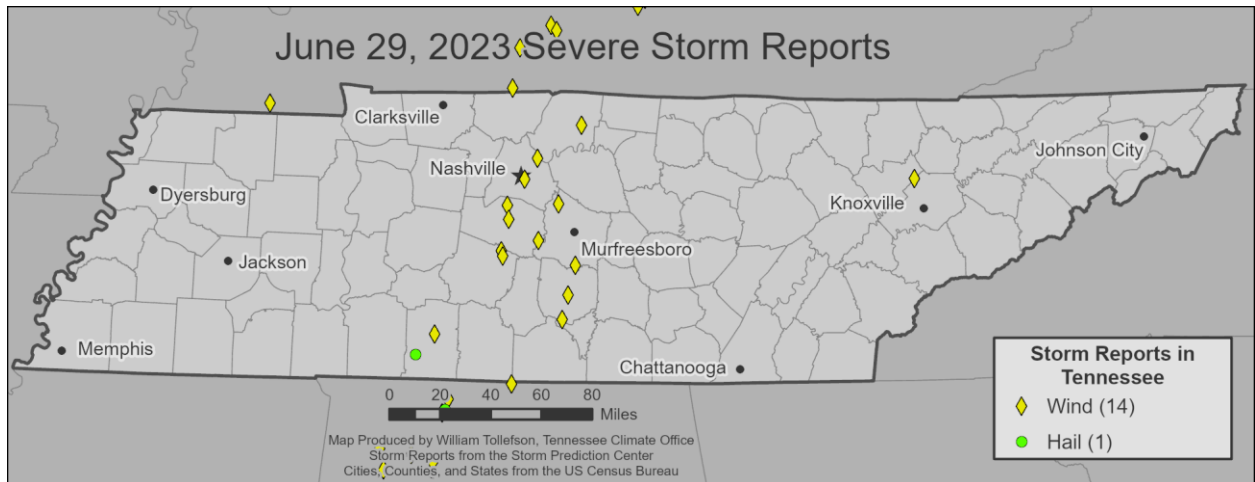
June 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
6:47	UNK	2 NE New Market	Jefferson	36.12	-83.53	A few trees down. (MRX)
7:06	UNK	Hartford	Cocke	35.81	-83.15	Large tree limbs down on car. Limbs estimated to be 10 to 12 inches in diameter based on picture from social media. Time estimate based on radar data. (MRX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
17:47	1.75	5 E Lawrenceburg	Lawrence	35.25	-87.25	(OHX)
18:03	2.00	2 N Gordonsville	Smith	36.21	-85.93	(OHX)
20:25	1.75	4 SSE Chattanooga	Hamilton	35.01	-85.24	Picture of Golf ball size hail in East Ridge TN. (MRX)
1:15	1.00	3 W Jacks Creek	Chester	35.47	-88.59	(MEG)

June 29



Wind:

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
17:14	--	3 WSW Bethpage	Sumner	36.46	-86.36	Corrects previous tstm wnd dmg report from 3 WSW Bethpage. Tree down on Rock Bridge Rd. In addition, a HAM operator estimated 60 mph winds in Gallatin. (OHX)
17:35	--	2 ENE Madison	Davidson	36.27	-86.67	Tree down in driveway on Shelby St in Old Hickory. (OHX)
18:10	--	2 SE Nashville	Davidson	36.15	-86.76	Large tree down on car on 1st Ave. (OHX)
18:14	60	2 N Smyrna	Rutherford	36.01	-86.52	Smyrna Airport measured gust of 52 kts. (OHX)
18:28	--	5 SSW Forest Hills	Williamson	36	-86.88	Corrects previous tstm wnd dmg report from 5 SSW Forest Hills. Tree fell into and crushed part of residence on Featherstone Dr in the Grassland community. (OHX)

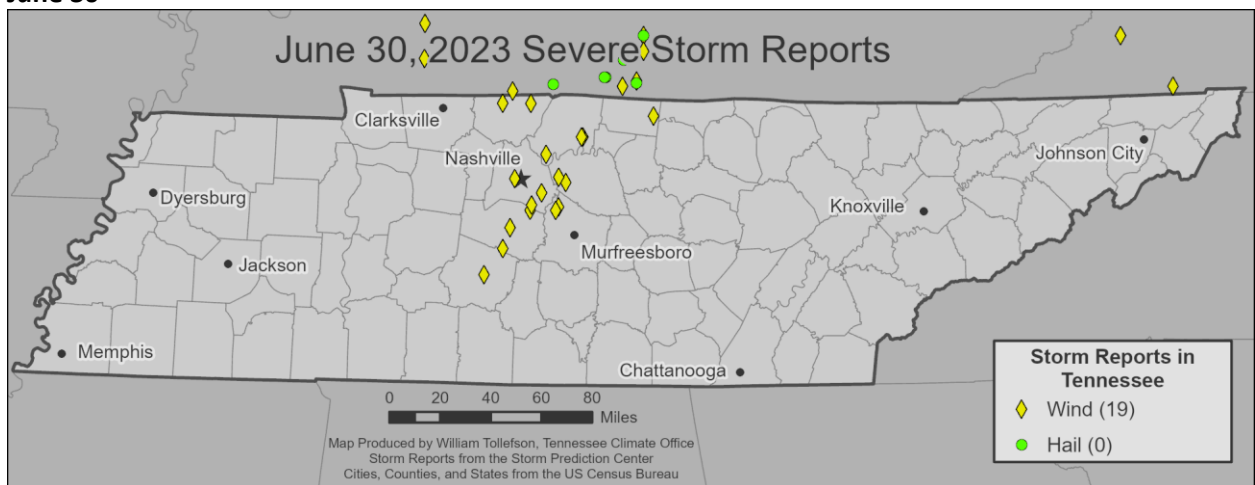
June 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	Lat	Lon	Comments
18:43	--	2 WSW Franklin	Williamson	35.92	-86.87	large limbs down on deck in downtown Franklin. (OHX)
18:44	--	College Grove	Williamson	35.8	-86.66	50-60 foot tree was completely uprooted. (OHX)
18:50	--	Spring Hill	Maury	35.74	-86.92	Tspotter reports of a few trees down in Spring Hill including one that took down power lines at Hwy 31 and Locke Avenue. (OHX)
19:00	--	2 SSE Spring Hill	Maury	35.71	-86.91	*** 1 FATAL *** A woman was reportedly killed in her yard by a falling tree in the 4000 block of Kedron Road. (OHX)
19:05	--	5 NNW Bell Buckle	Rutherford	35.66	-86.4	Large tree snapped in Fosterville. (OHX)
19:20	--	Shelbyville	Bedford	35.49	-86.45	Tspotter reports of a few trees blown down in Shelbyville including one on Mac Street. (OHX)
19:25	--	8 ENE Petersburg	Moore	35.35	-86.49	A tree was knocked down at 2693 Warren Hollow Road. Time estimated by radar detection of winds associated with gust frontal passage. (HUN)
20:14	--	2 WNW Lawrenceburg	Lawrence	35.26	-87.38	Large tree down... blocking road. (OHX)
11:15	--	5 NE Heiskell	Knox	36.14	-84.01	Tree down blocking roadway. (MRX)

Hail:

Time (UTC)	Size (in)	Location	County	Lat	Lon	Comments
20:48	2.75	1 ENE West Point	Lawrence	35.14	-87.51	Size estimated from photo... time estimated from radar. (OHX)

June 30



Wind:

Time (UTC)	Speed (mph)	Location	County	State	Lat	Lon	Comments
23:52	--	Red Boiling Spring	Macon	TN	36.53	-85.85	Corrects previous tstm wnd dmg report from Red Boiling Spring. Tree on house near Lafayette Road and

June 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	State	Lat	Lon	Comments
							East Main street. Power outages across the county. (OHX)
0:16	--	6 SSW Bethpage	Sumner	TN	36.41	-86.35	Multiple trees down across road. time estimated on radar. (OHX)
0:44	--	6 NE Cedar Hill	Robertson	TN	36.6	-86.92	Corrects previous tstm wnd dmg report from 6 NE Cedar Hill. Tree on house near Highway 161 and Corbin Sneed Road. Power lines down across the county. (OHX)
0:45	--	2 N Smyrna	Rutherford	TN	36.01	-86.52	Severe thunderstorm winds overturned an unoccupied small aircraft at Smyrna Airport. No injuries were reported. Time is estimated. (OHX)
0:45	--	6 ENE Gallatin	Sumner	TN	36.41	-86.36	Corrects previous tstm wnd dmg report from 6 SSW Bethpage. Multiple trees down across Brights Lane. Time estimated on radar. (OHX)
0:58	--	2 W Orlinda	Robertson	TN	36.6	-86.72	Corrects previous tstm wnd dmg report from 2 W Orlinda. Multiple trees and power lines down near Highway 49 E and East Church Street. Widespread power outages across Ro (OHX)
1:09	--	4 E Brentwood	Williamson	TN	35.99	-86.72	Large tree down blocking road. time estimated on radar. (OHX)
1:16	--	1 WNW Smyrna	Rutherford	TN	35.99	-86.54	Tree down blocking road. time estimated on radar. (OHX)
1:20	--	1 NNW Hendersonville	Sumner	TN	36.31	-86.61	Corrects previous tstm wnd dmg report from 1 NNW Hendersonville. Large tree down near East Main Street and Park Road. (OHX)
1:27	--	2 SSE Belinda City	Wilson	TN	36.15	-86.47	Two power poles snapped in this area. About 8200 power outages across Wilson County. (OHX)
1:28	--	3 W Nashville	Davidson	TN	36.17	-86.83	Corrects previous tstm wnd dmg report from 3 W Nashville. Large tree down blocking Dr Walter S Davis Road. Time estimated on radar. (OHX)
1:34	60	2 S Mount Juliet	Wilson	TN	36.18	-86.52	(OHX)
1:43	--	3 NE Antioch	Davidson	TN	36.09	-86.64	Corrects previous tstm wnd dmg report from 3 NE Antioch. Tree fell on car near Long Hunter Lane and Nashboro Boulevard. time estimated on radar. (OHX)
1:45	--	3 SSW Franklin	Williamson	TN	35.89	-86.86	Large limb punched hole through roof of home. (OHX)
1:45	--	1 WNW Smyrna	Rutherford	TN	35.99	-86.54	Corrects previous tstm wnd dmg report from 1 WNW Smyrna. Tree

June 2023 Tennessee State Climate Summary

Time (UTC)	Speed (mph)	Location	County	State	Lat	Lon	Comments
							down blocking Rock Springs Road near Mason Tucker Drive. Time estimated on radar. (OHX)
2:00	--	3 SW Antioch	Davidson	TN	36.02	-86.71	Corrects previous tstm wnd dmg report from 3 SW Antioch. A couple trees down in Lenox Village. (OHX)
2:01	--	2 NNE Spring Hill	Williamson	TN	35.77	-86.91	Corrects previous tstm wnd dmg report from 2 NNE Spring Hill. Multiple trees down in the Spring Hill area. Time estimated on radar. (OHX)
2:10	--	1 ESE Columbia	Maury	TN	35.62	-87.04	Trees down across county... power lines down. Likely caused by outflow well ahead of storms. (OHX)
2:20	--	3 SSW Franklin	Williamson	TN	35.89	-86.86	Corrects previous tstm wnd dmg report from 3 SSW Franklin. Large limb punched hole through roof of home along Heathersett Drive. (OHX)

CPC Outlooks for the Next Month:

The NOAA Climate Prediction Center outlooks for July show that all of Tennessee is leaning towards above normal temperatures and precipitation for the month. For temperatures there is slightly higher confidence for the southern and eastern portions of the state, and for precipitation there is slightly higher confidence in the northeastern portion of the state.

