

DECEMBER & ANNUAL 2024 CLIMATE SUMMARIES  
National Weather Service Tallahassee - Tri-State Area  
January 15, 2025

*Note: The data below is based on our seven official climate sites across the FL Big Bend/Panhandle, SE AL, and SW GA, which we issue [daily](#) and [monthly](#) products for. Visit <https://www.weather.gov/wrh/climate?wfo=tae> for more information. Corresponding figures can be found below the written content.*

**December Climate Summary:**

Tallahassee - Warmer and much drier than normal. The average mean temperature was 55.4°. The highest temperature of the month was 80° on the 31st (1° shy of tying the daily record) while the lowest temperature was 25° on the 4th. There were a total of 7 freezing days (normal amount), 4 of which occurred consecutively from the 1st-4th. Last December, there were only 4 freezing days. Rainfall was sparse as only 1.19” fell, of which 0.60” was measured from the 28th-29th. This amount is good for the 7th driest December on record (driest since 2008).

Remainder of the FL Big Bend - Variable temperature anomalies and drier than normal. The average mean temperature at Apalachicola was 57°. The highest temperature of the month was 78° on the 19th and 31st ([tied daily record with 2021](#)) while the lowest temperature was 33° on the 1st, just 1° shy of experiencing its first freeze of the season. On average, AAF sees its first 32°-day by December 14th. As for precipitation, nearly 2” of rain fell, which is -1.60” below normal. The greatest 24-hr accumulation 1.33” on the 11th.

FL Panhandle - Near to warmer than normal, and drier than normal.

Panama City NW had a monthly average mean temperature of 55.9°. The highest temperature was 80° on the 16th, while the lowest was 28° on the 4th. There were a total of 6 freezing days (double the average), 4 of which occurred consecutively from the 1st-4th. Looking at precipitation, 2.54” fell, or nearly 2” below normal. The greatest 24-hr accumulation was 1.73” from the 29th-30th.

Marianna had a monthly average mean temperature of 54°. The highest temperature was 80° on the 10th, while the lowest temperature was 27 on the 4th. There were a total of 8 freezing days (2 more than the average), 4 of which occurred consecutively from the 1st-4th. Looking at precipitation, 2.3” fell, or about 2.5” below normal. The greatest 24-hr accumulation was 1.88” on the 29th.

Southwest GA - Near to warmer than normal, and drier than normal.

Valdosta was much warmer than normal with a mean temperature of 56.2° being 3 above average! The highest temperature was 82° on the 28th (1° shy of tying the daily record) while the lowest temperature was 29° on the 4th and 7th. There were 5 freezing days (slightly below

average). Last December, there was only 1 freezing day. A total of 2.16" of rain fell for the month, which is 0.87" below average. The greatest 24-hr accumulation was 1.34" on the 29th.

Albany experienced near-normal temperatures with a mean value of 52.5°. The highest temperature was 79° on the 17th while the lowest was 25° on the 4th. There were 9 freezing days (slightly above average), 4 of which occurred consecutively from the 1st-4th. Last December, there were 8 freezing days. A total of 1.77" of rain fell for the month, which is nearly 2.5" below average! A little over 70% of the monthly rainfall was from the 28th-29th.

Southeast AL - Near normal temperatures and drier than normal. The average mean temperature at Dothan was 53.1°. The highest monthly temperature was 79° on the 17th while the lowest temperature was 28° on the 4th. There were a total of 6 freezing days (1 more than average). In terms of precipitation, 2.36" fell, which is 2.4" below normal. The greatest 24-hr accumulation was 1.45" from the 28th-29th.

### **Local Drought Status:**

Dating back to January 7th, an extensive area of D1 Moderate Drought is outlined across much of SE AL, FL Panhandle, SE FL Big Bend, and parts of SW GA with D0 abnormally dry conditions elsewhere outside of the I-75 corridor. Portions of the Wiregrass Region did see 1-2 category improvement over the last 4 weeks while other portions of SW GA and the SE FL Big Bend experienced 1-class degradation.

### **Annual Recap of Local Weather Events of 2024:**

The Year 2024 will be remembered for its extreme weather & climate nearly each month, as shown below in chronological order. Tallahassee, Valdosta, and the FL Big Bend were hit the hardest. There were over 20 survey-confirmed tornadoes, 9 of which were significant, or rated EF-2 or greater.

- [January 9th](#) - Significant severe weather outbreak
- February 4th - Valdosta EF-2 tornado
- March - Considerable flooding & hailstorms
- April 10-11th, Flash Flood Emergency in Tallahassee
- [May 10th](#) - Tallahassee Twin EF-2 Tornadoes
- [August 4-5th](#), Hurricane Debby
- September 25-26th, Hurricane Helene
- Hottest Summer on Record - Tallahassee
- [Wettest Overall Month](#) (September) on Record - Apalachicola
- October - driest stretch of the year
- Wettest Autumn on Record - Apalachicola
- November 6-7th Valdosta Flash Flood Emergency
- December 28-29th Severe Squall Line

### **Annual Climate Summary:**

It was an abnormally warm year across the Tri-State area with all 7 local sites ranking in the top-10 warmest on record by average mean and min temperature. Valdosta experienced its warmest year on record by those two variables. Areawide, high temperatures averaged mostly in the low 80s while lows ranged from upper 50s to low 60s. The highest temperatures ranged from 99°-103° and lowest readings were between 19° and 27°. Rainfall was variable, but mostly above normal across the board. The only minor exception was Dothan, where its 50.83” was 0.86” below normal. Apalachicola had the wettest year compared to the other 6 sites at 76.38” (ranked 3rd on record).

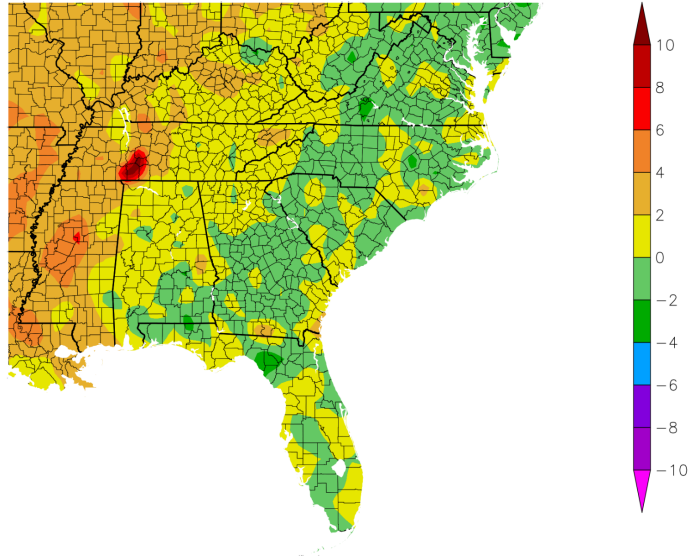
Florida - Fifth warmest year on record by average mean temperature (72.9°), or 2.8° warmer than normal. The 1991-2020 trend is warming of 0.6° per decade.

Georgia - Second warmest year on record by average mean temperature (65.9°), or 2.5° warmer than normal. The 1991-2020 trend is warming of 0.7° per decade.

Alabama - Third warmest year on record by average mean temperature (65.4°), or 2.4° warmer than normal. The 1991-2020 trend is warming of 0.6° per decade.

All 3 states have experienced pronounced warming since 2015. Precipitation has been much more variable by comparison, though FL & GA have seen a slight downward decadal trend during the current 30-yr climate normal period while AL has seen a slight increase. State records go back to 1895, courtesy of the [National Centers for Environmental Information](#).

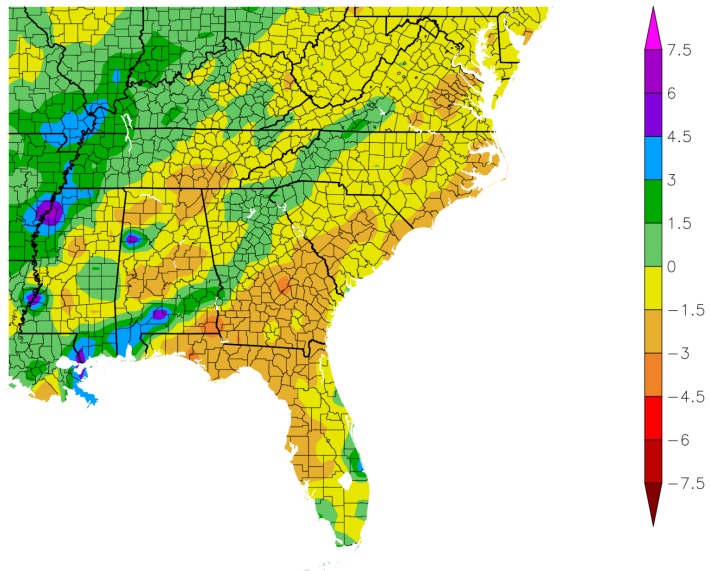
Departure from Normal Temperature (F)  
12/1/2024 – 12/31/2024



Generated 1/1/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers

Departure from Normal Precipitation (in)  
12/1/2024 – 12/31/2024



Generated 1/1/2025 at HPRCC using provisional data.

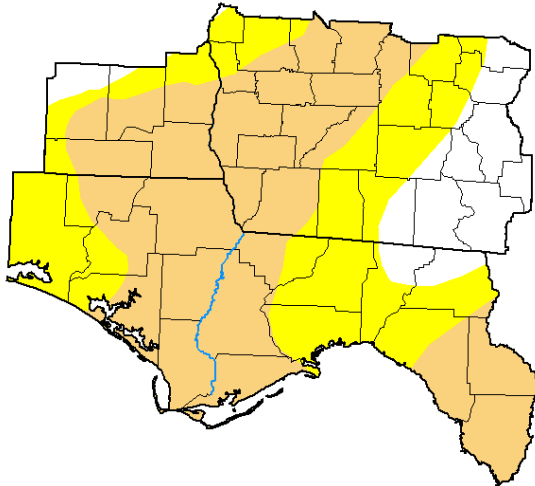
NOAA Regional Climate Centers

# U.S. Drought Monitor Tallahassee, FL WFO

**January 7, 2025**  
(Released Thursday, Jan. 9, 2025)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	14.67	85.33	51.82	0.00	0.00	0.00
<b>Last Week</b> 12-31-2024	21.23	78.77	51.13	0.00	0.00	0.00
<b>3 Months Ago</b> 10-08-2024	95.39	4.61	0.43	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-07-2025	14.67	85.33	51.82	0.00	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	94.40	5.60	0.38	0.00	0.00	0.00
<b>One Year Ago</b> 01-09-2024	98.46	1.54	0.01	0.00	0.00	0.00



**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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

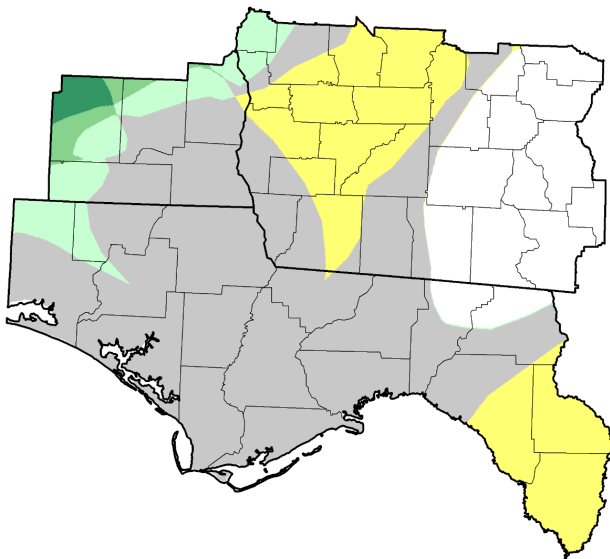
**Author:**

Brad Pugh  
CPC/NOAA



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

## U.S. Drought Monitor Class Change - Tallahassee, FL WFO 4 Week

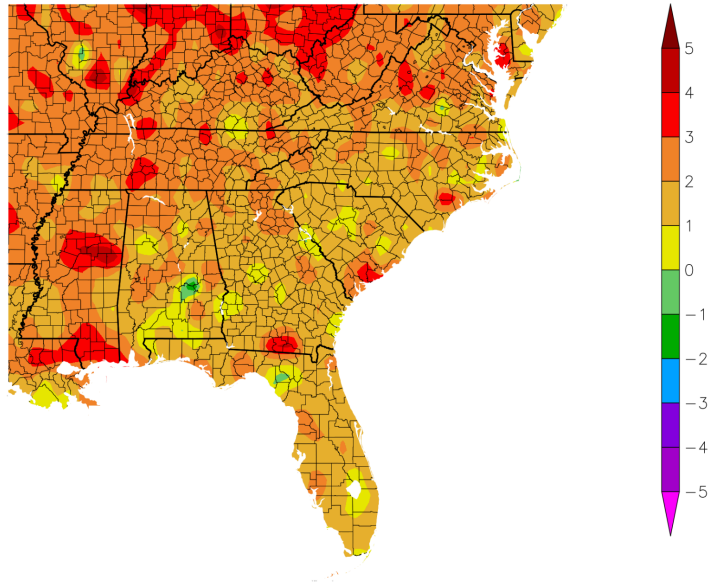


- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

December 31, 2024  
compared to  
December 3, 2024

[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

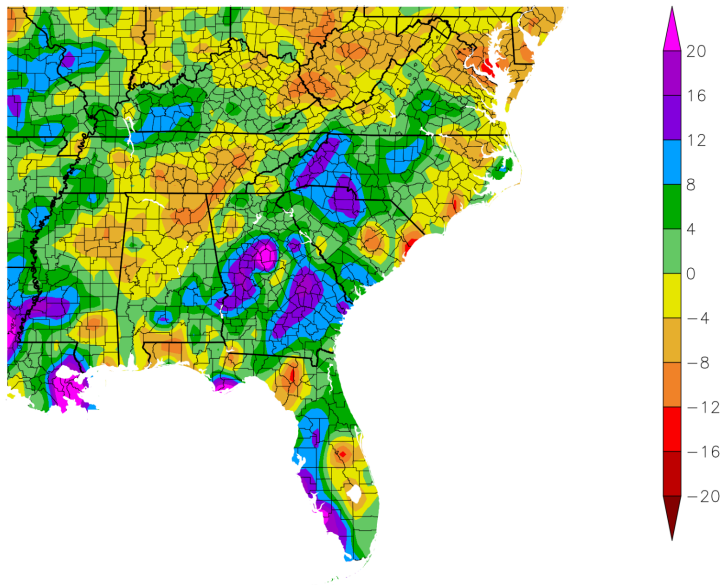
### Departure from Normal Temperature (F) 1/1/2024 - 12/31/2024



Generated 1/1/2025 at HPRCC using provisional data.

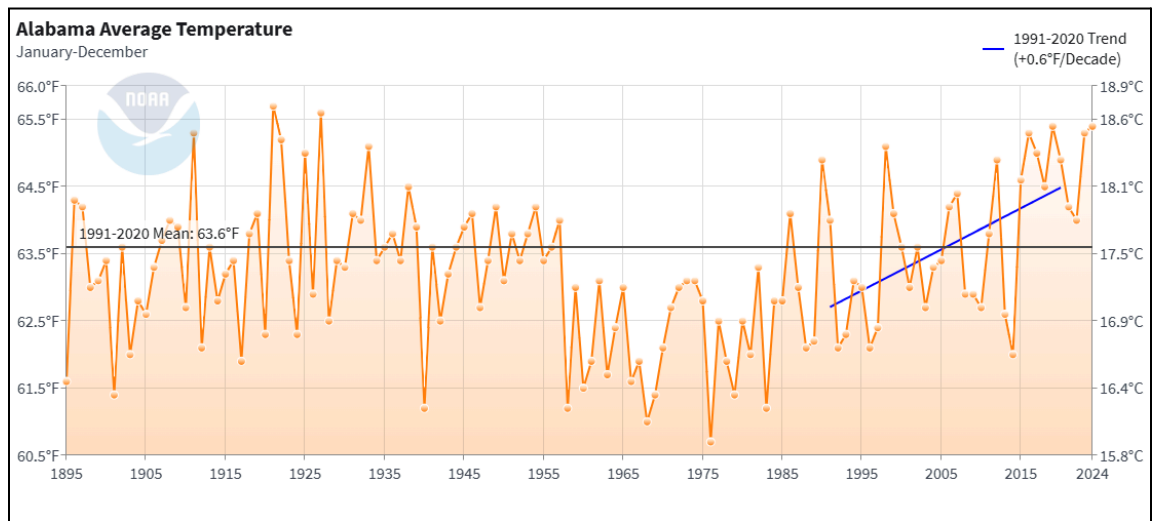
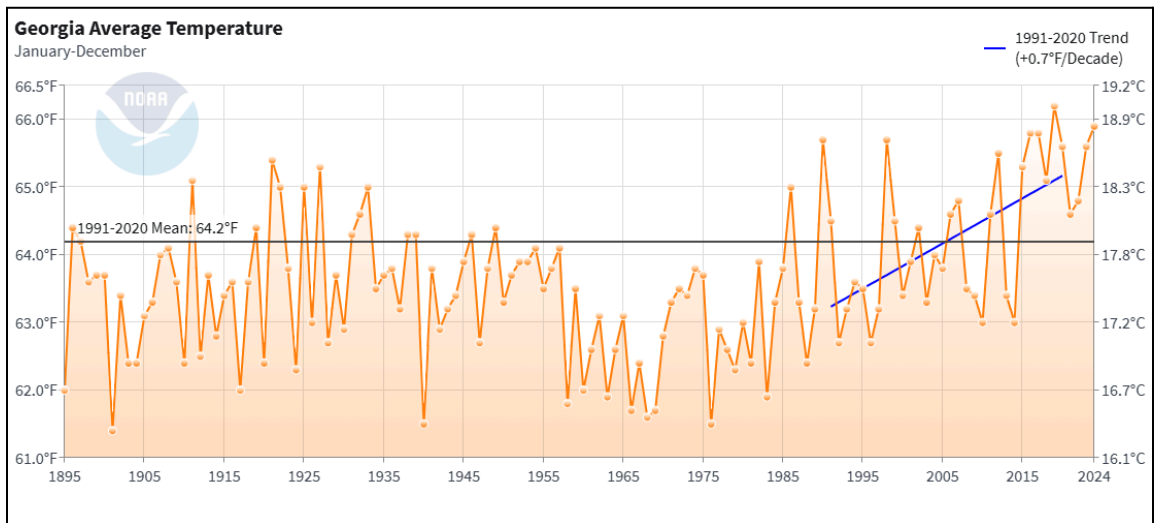
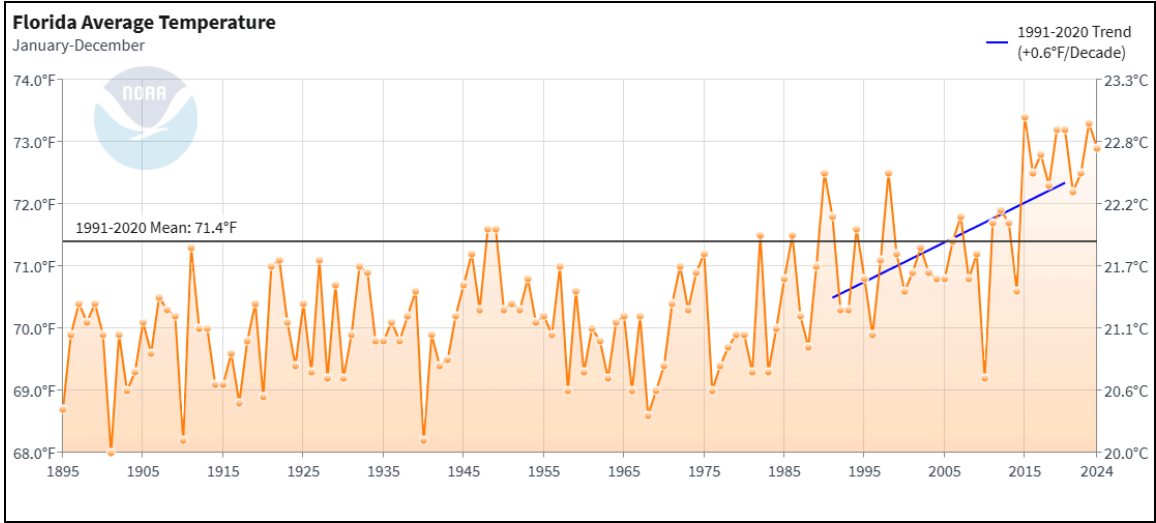
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### Departure from Normal Precipitation (in) 1/1/2024 - 12/31/2024



Generated 1/1/2025 at HPRCC using provisional data.

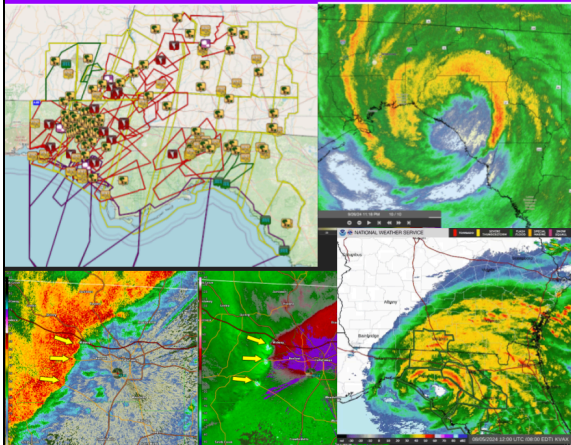
NOAA Regional Climate Centers



# Notable 2024 Local Weather Events



NWS Tallahassee Forecast Area



- **January 9th** - Significant severe weather outbreak
- **February 4th** - Valdosta EF-2 tornado
- **March** - Considerable flooding & hailstorms
- **April 10-11th**, Flash Flood Emergency in Tallahassee
- **May 10th** - Tallahassee Twin EF-2 Tornadoes
- **August 4-5th**, Hurricane Debby
- **September 25-26th**, Hurricane Helene
- **Hottest Summer on Record** - Tallahassee
- **Wettest Overall Month on Record** - Apalachicola
- **October** - driest stretch of the year
- **Wettest Autumn on Record** - Apalachicola
- **November 6-7th** Valdosta Flash Flood Emergency
- **December 28-29th** Severe Squall Line

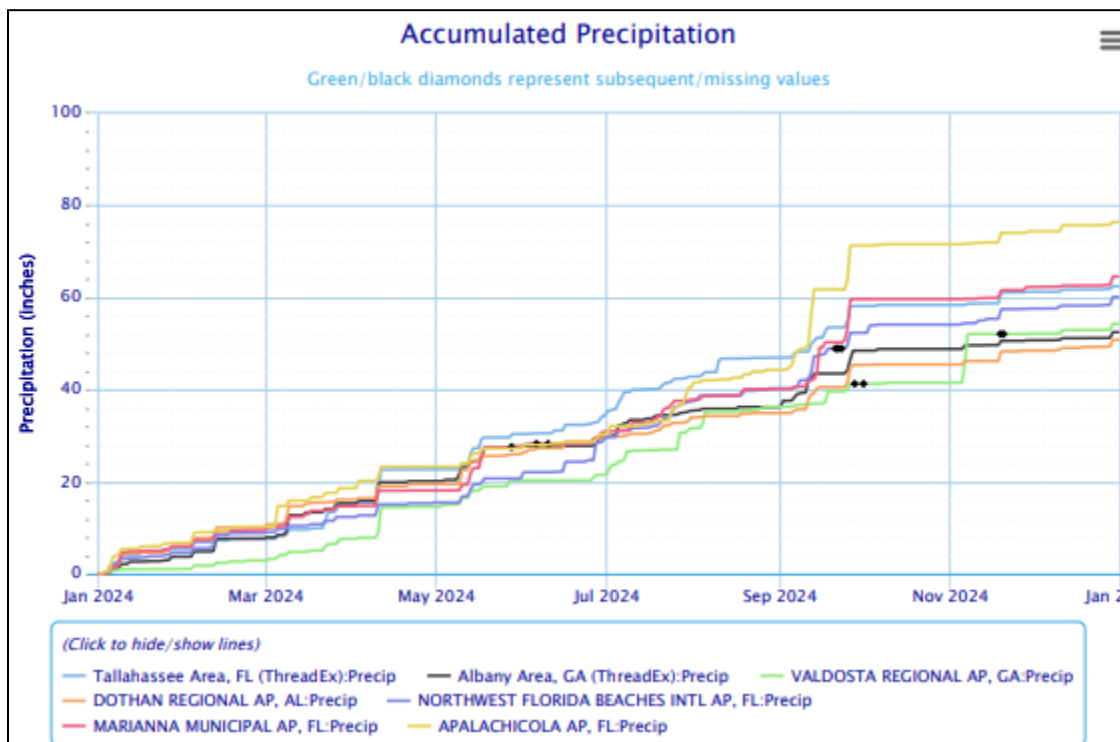


NATIONAL WEATHER SERVICE  
**Tallahassee Florida**  
 weather.gov/tallahassee  
 @NWSTallahassee

**2024 confirmed tornadoes: 21 (9 significant, ≥EF-2)**

Updated: December 31, 2024

## Valid January 1, 2024 to December 31, 2024





**Annual 2024 Climate Table for the 7 climate sites of the NWS  
Tallahassee Forecast Area**

<b>Annual 2024 Climate</b>	<b>TLH</b>	<b>AAF</b>	<b>ECP</b>	<b>MAI</b>	<b>VLD</b>	<b>ABY</b>	<b>DHN</b>
<b>Avg meanT</b>	71.0°	70.9°	70.5°	69.7°	71.1°	68.9°	69.3°
<b>Depart</b>	+2.4	+1.5	+1.0	+1.1	+2.7	+1.5	+1.7
<b>Rank</b>	3rd warmest	3rd warmest	N/A	N/A	warmest	Tied for 9th warmest	Tied for 5th warmest
<b>Avg maxT</b>	82.5°	79.4°	80.7°	80.7°	82.5°	80.1°	80.0°
<b>Depart</b>	+2.2	+1.2	+0.9	+0.9	+2.5	+1.1	+1.0
<b>Rank</b>	3rd warmest	4th warmest	N/A	N/A	4th warmest	Tied for 13th warmest	Tied for 5th warmest
<b>Avg minT</b>	59.6°	62.3°	60.2°	58.6°	59.7°	57.6°	58.5°
<b>Depart</b>	+2.7°	+1.7°	+1.2°	+1.3°	+2.9°	+1.9°	+1.5°
<b>Rank</b>	Tied for 5th warmest	3rd warmest	N/A	N/A	warmest	Tied for 9th warmest	Tied for 6th warmest
<b>Highest temp</b>	101°	99°	99°	101°	103°	103°	103°
<b>Lowest temp</b>	25°	27°	23°	20°	25°	19°	19°
<b>Rainfall</b>	62.46"	76.38"	60.15"	64.60"	*54.33"	52.50"	50.83"
<b>Depart</b>	+3.69"	+23.97"	+4.78"	+16.47"	+6.82"	+4.78"	-0.86"
<b>Rank</b>	44th wettest	3rd wettest	N/A	N/A	18th wettest	46th wettest	30th wettest