

NOVEMBER & AUTUMN 2024 CLIMATE SUMMARIES
National Weather Service Tallahassee - Tri-State Area
December 13, 2024

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.

November Climate Summary:

Tallahassee - Much warmer than normal and near-normal rainfall.

The average mean November temperature was 68.2° or 8° above normal (2nd warmest on record behind 2015). It was the warmest November on record [by average max temperature at 79°](#), tying 2015! Contributing to that value were nine 85° days (most on record) and a [tying of the all-time monthly record high](#) of 89° on the 5th (latest such reading on record). Tallahassee had its 4th warmest November on record by average min temperature (minT) at 57.3°. There were eight 70° minT days, surpassing five from 2015 for most on record, of which TLH [tied a monthly record warm low of 75°](#) three consecutive days from the 6th-8th! Outside of 2002 (once) & 2015 (twice), no other year has seen 75° or greater!

The lowest observed temperature was 32° on the 30th, the first freeze of the season (late by 8 days on average). As a “bonus”, the November record high dew point of 78° was tied twice on the 6th & 7th with 11/1/2015. Following an anomalously dry October, rainfall rebounded back to near-normal amounts with 2.88” measured. However, over 80% of the monthly total fell from the 19th-20th, of which the [2.3” on the 19th broke the old daily record](#) of 1.75” from 1910. Lastly, a wake low event on the 19th produced a peak gust of 53 mph at TLH.

Remainder of the FL Big Bend - Much warmer than normal with variable rainfall.

Apalachicola’s average November mean temperature of 69.2° set a new monthly record, surpassing 68.8° from 1986. Average max & min temperatures were ranked in the top 3 warmest. The highest/lowest temperatures were 85°/37°. A [new daily record high](#) of 85° was set on the 7th, breaking 84° in 2020. Apalachicola still awaits its first freeze of the season, which happens by December 14th, on average. [Daily record rainfall](#) was also set on the 19th when 2.09” fell. The previous record was 1.95” in 2015. Monthly rainfall totals were 2.81” (nearly 1” below normal) with 2.09” falling on the 19th. A 38-mph peak gust occurred on the 19th.

FL Panhandle - Much warmer than normal with variable rainfall.

Marianna’s average mean temperature of 66.9° was well above normal (59.6°). The highest/lowest temperatures were 87°/31°. The first freeze of the season on the 30th was late by 4 days on average. Below normal rainfall by a little over an inch was observed with a monthly

total of 2.63". The greatest 24-hr accumulation was 1.68" from the 19th-20th. A 29-mph peak gust occurred on the 21st.

Panama City NW experienced well above-normal average mean temperatures of 68° by over 7°. The highest/lowest temperatures were also 87°/31°. The first freeze of the season on the 30th was late by 6 days on average. Rainfall was below normal by nearly ¾ of an inch at 3.48". The greatest 24-hr accumulation was 2.10" from the 19th-20th. A 39-mph peak gust occurred on the 19th.

Southwest GA - Much warmer than normal with variable rainfall.

Valdosta experienced its warmest November on record across the board by about 1° to 1.5° - average mean, max, min temperature! Similar to Tallahassee, VLD tied its all-time monthly record high of 89° on the 5th with 2022 and 2015! The average mean temperature was a whopping 9.4° above normal at 68.4°. There were seven 85° maxT days and six 75° minT days, both of which are ranked in the top 2 with 2015. By contrast, the lowest temperature was 32° on the 30th, the first freeze of the season (late by 4 days on average).

Looking at rainfall, a significant flash flood event on the 6th-7th contributed to an *estimated* amount of nearly 10.5" at the airport during that span. *Important note: The 3.9" on the 6th was the result of averaging the values of the [Kinderlou](#) and [Lowndes EOC](#) Weatherstem sites and multiplying by a 0.8 factor to account for the Multi-Radar Multi-Sensor amounts at VLD being ~80% of the aforementioned gauges. The net result was 2.4", which was then added to the 1.49" that the ASOS observed prior to the data going missing for nearly 2 hours during the heaviest raining part of the flood event. A similar approach combined with a nearby CoCoRaHS observation was applied to yield the 6.52" on the 7th.* Although estimated, these combined amounts contend with 1976 for the wettest November on record. That year measured 10.42".

Albany had its 2nd warmest November on record by average mean temperature and min temperature, trailing 2020 and 1946, respectively. The former was 6.5° above normal with the highest monthly reading of 86° on the 2nd & 5th. There were four 70° minT days, all of which occurred consecutively from the 6th-9th - 2nd place behind the six from 2015. On the flip side, the lowest temperature at ABY was 30° on the 30th, the first freeze of the season (late by 12 days on average). Rainfall was notably much less compared to Valdosta with a monthly total of only 1.9" or a little over an inch below normal. The greatest 24-hr accumulation was 0.93" from the 19th-20th. The aforementioned wake low produced a peak gust of 41 mph on the 19th.

Southeast AL - Much warmer and drier than normal.

Dothan's average mean temp of 65.2° ranks as 3rd warmest on record (same rank for average min temperature). The highest/lowest temps were 86°/31°. The first freeze of the season on the 30th was late by 8 days on average. Monthly rainfall totaled 3.02", or nearly an inch below normal (3.91"). The greatest 24-hr accumulation was 2.11" from the 19th-20th. A 37-mph peak gust occurred on the 21st.

Autumn (September-November) Climate Summary:

With an average mean temperature of 73.5°, 2024 is ranked 2nd behind only 2015 by 0.3° for Tallahassee. The highest temperature of the season was 101° on September 2nd. One-hundred degree days in September are unusual, with 101° on the 2nd tying 2017, 1927, 1925, and 1917 for the 2nd hottest September day and the 5th latest September day on record, respectively. Records date back to 1892. The lowest temperature/first freeze of the season was 32° on November 30th. Rainfall amounts totaled 14.13” this autumn. The greatest single-day accumulation was 3.25” on September 26th, courtesy of Hurricane Helene.

Apalachicola experienced its 2nd warmest Autumn by average mean temperature (74°, trailing 74.3° from 2020), but tied 1986 for warmest by average min temperature at 66.2°. The highest temperature was 94° on September 2nd while the lowest temperature was 37° on November 30th. It was also the wettest Autumn on record (30.08”, blowing out 25.41” from 2020). The all-time record monthly rainfall of 26.99” for any month this past September alone would’ve beaten 2020 out! The greatest single-day accumulation was 7.45” on September 26th.

Marianna’s 72.1° average mean temperature was above normal by nearly 3°. The highest temperature was 100° on September 2nd while the lowest temperature was 31° on November 30th. The greatest single-day accumulation was 6.32” on September 26th. Rainfall totaled 22.19” for the season, the most since 20.08” in 2020.

Panama City NW’s average mean temperature of 73.3° was also above normal by nearly 3°. The highest temperature was 97° on September 3rd while the lowest temperature was 31° on November 30th. Rainfall totaled 17.34”, the most since 22.52” in 2021. The greatest single-day accumulation was 3.57” on September 13th.

Albany experienced its 7th warmest Autumn by average mean temperature at 71.1° and 4th warmest by average min temperature at 60.8°. The highest temperature was 98° on September 2nd while the lowest temperature was 30° on November 30th. Rainfall amounts of 14.49” was the wettest since 12.36” in 2020. The greatest single-day accumulation was 2.74” on September 11th.

Valdosta experienced its warmest Autumn on record by average mean temperature (73.3°, surpassing 73.2° from 1985), 4th warmest by average max temperature (83.6°) & min temperature (62.9°). The highest temperature was 98° on September 2nd while the lowest temperature was 32° on November 30th. It was also *unofficially* the 5th wettest Autumn on record at 15.89”. The greatest single-day accumulation was an *estimated* 6.52” on November 7th.

Dothan’s average mean temperature of 71.4° tied 2020 for 5th warmest Autumn on record (6th warmest by average max temperature & 5th warmest by average min temperature). The highest temperature was 101° on September 2nd (tied for 2nd highest September/Autumn day on record with 9/18/2019, 1st place is 102° on 9/17/2019). The lowest temperature was 31° on November

30th. Rainfall totaled 13.54” (well above normal) with the greatest single-day accumulation of 3.10” on September 26th.

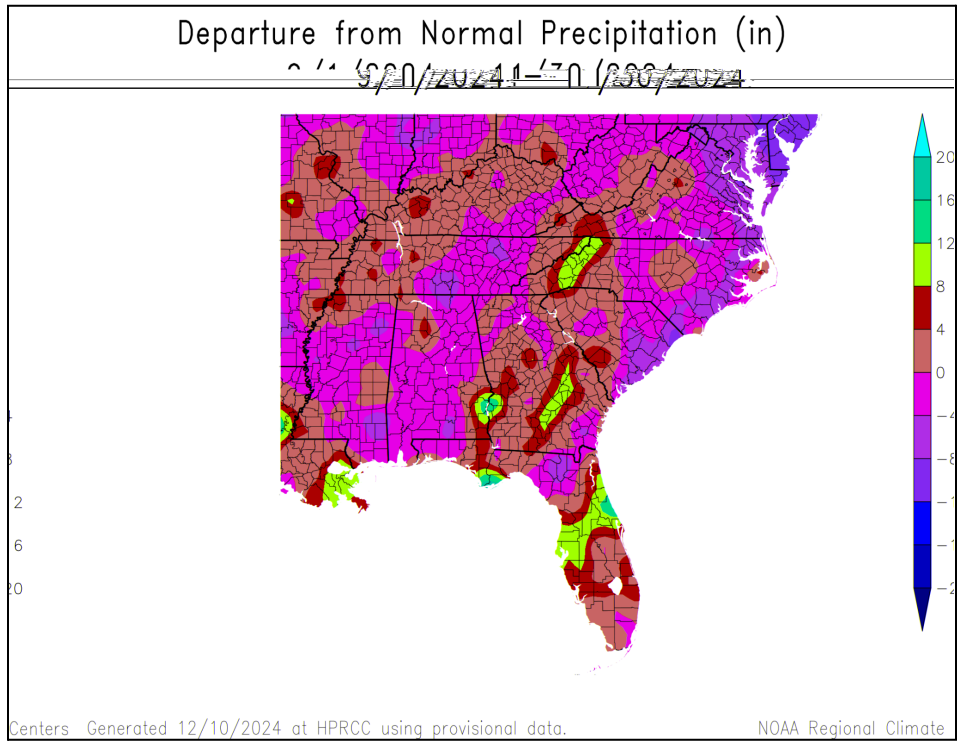
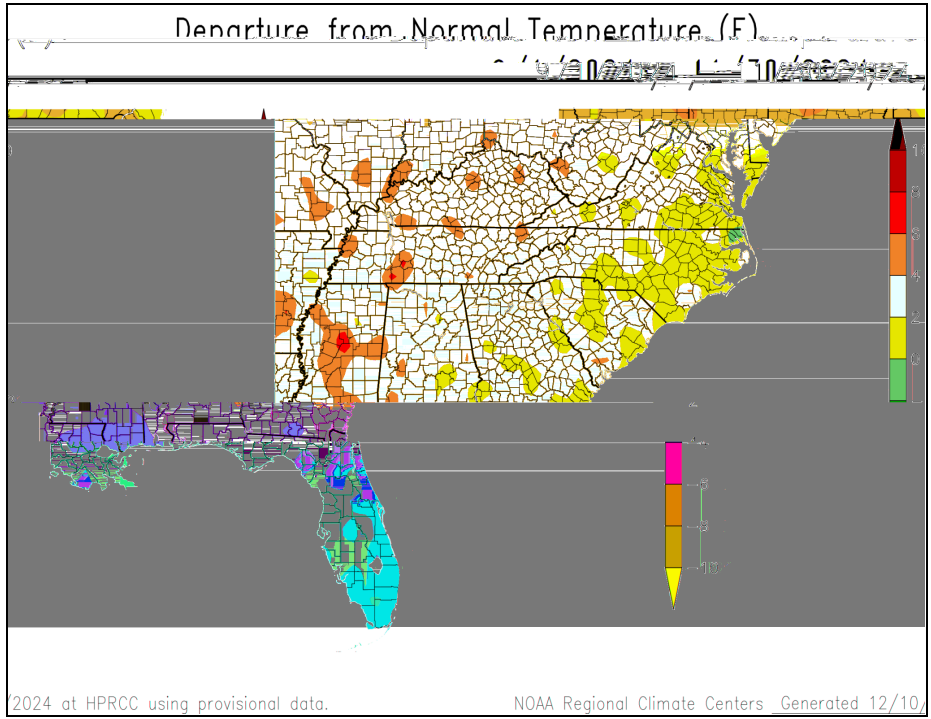
Local Drought Status:

As of December 10th, much of the Tri-State area excluding the I-75 corridor is experiencing abnormally dry to moderate drought conditions. The most afflicted locations are the SE FL Big Bend, SE AL, and the majority of the FL Panhandle. There has been mostly no change in these conditions over the past 4 weeks outside of ribbons of 1-class improvement for the Flint/Apalachicola River basin & westernmost portions of the FL Panhandle/SE AL. By contrast, Taylor, Lafayette, and Dixie County have experienced 1-class degradation.

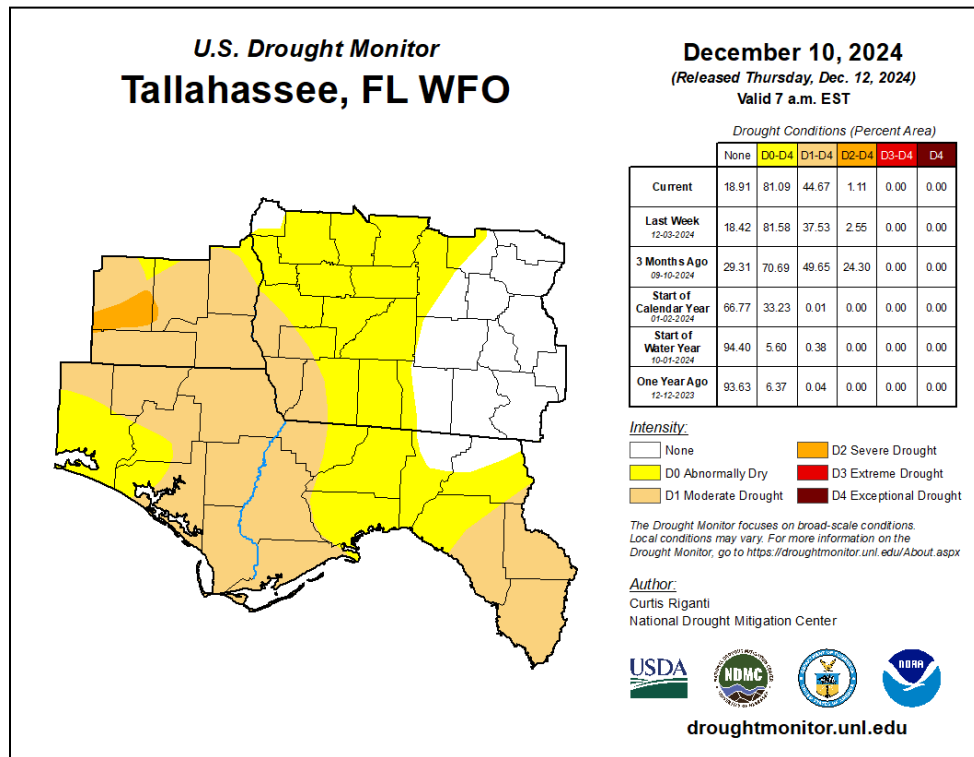
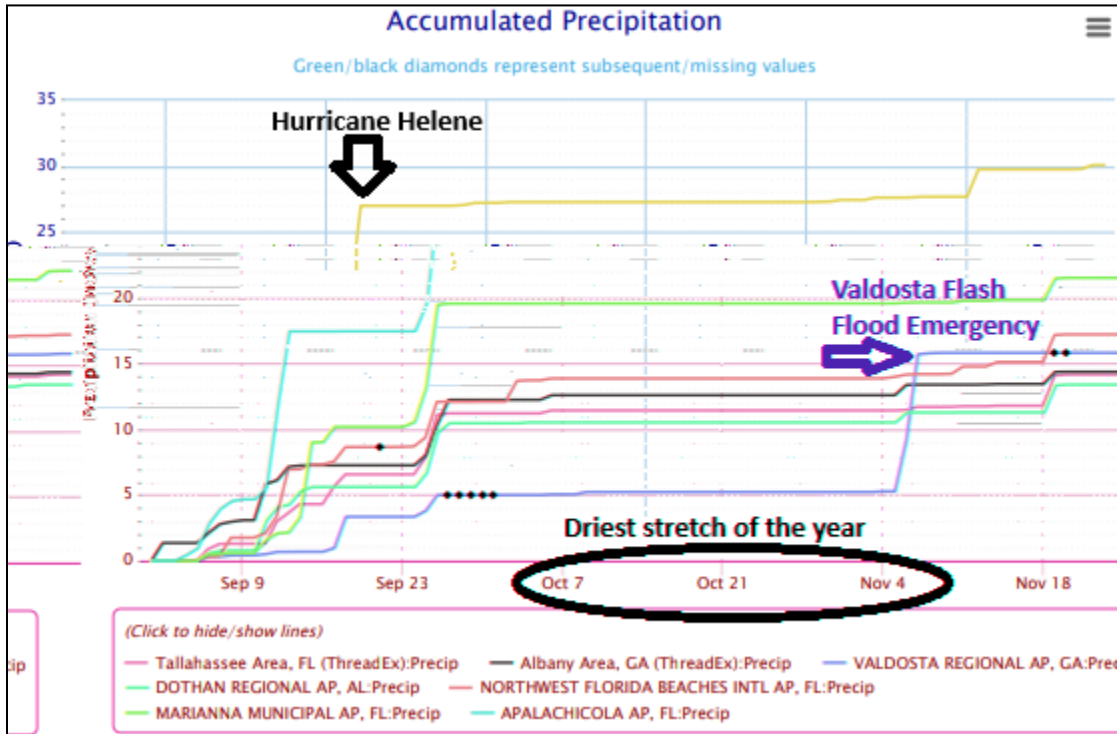
Atlantic Hurricane Season Recap:

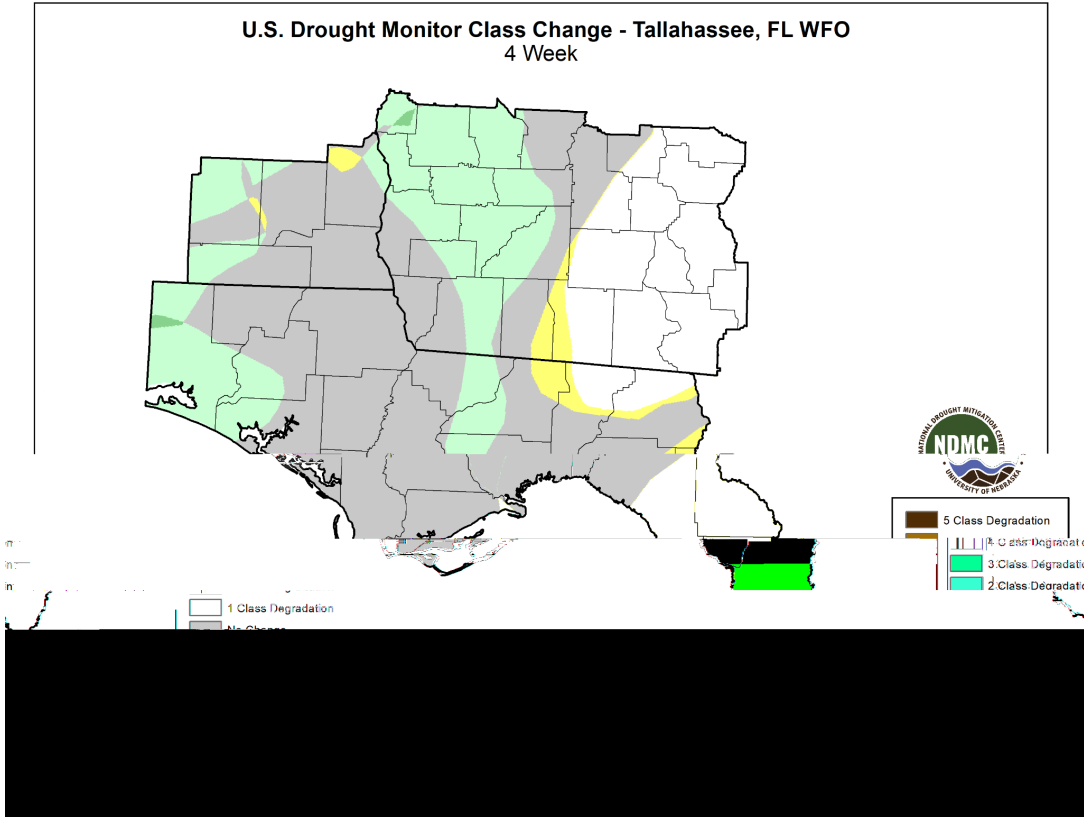
The 2024 Atlantic Hurricane Season was [above average](#) in every numeric metric. There were a total of 18 named storms, 11 hurricanes, and 5 major hurricanes. The 1991-2020 climatological average is 14 named storms, 7 hurricanes, and 3 major hurricanes. The strongest hurricane of the season was Milton, which peaked at category-5 strength with max sustained winds of 180 mph over the Southern Gulf in early October. Other major hurricanes were Beryl (earliest category 5 on record in early July), Helene (strongest observed hurricane in Apalachee Bay - 140 mph), Kirk (145 mph in the open Atlantic), and Rafael (120 mph) near Western Cuba.

In terms of landfalls, the US experienced 5, all in the Gulf (well above average): Beryl, Debby, Francine, Helene, Milton. Only 2 other seasons on record since 1851 had 5+ Gulf landfalls: 1886, 2005, 2020. The current 30-year US landfall average is 3.6 named storms, 1.6 storms, 0.5 major hurricanes. Beryl and Milton produced notable tornado outbreaks in LA & FL respectively, while slow-moving Debby caused significant flooding in the Suwannee Valley & Eastern FL Big Bend. However, the most infamous storm was Helene, whose unusually large size, combined with fast forward speed resulted in widespread catastrophic impacts from the East/NE Gulf Coast all the way into North Carolina as it interacted with a stalled front near the Appalachians. Over 200 deaths were confirmed, making Helene the deadliest Atlantic hurricane since Maria in 2017 (over 3000) and in the US since Katrina 2005 (nearly 1400).

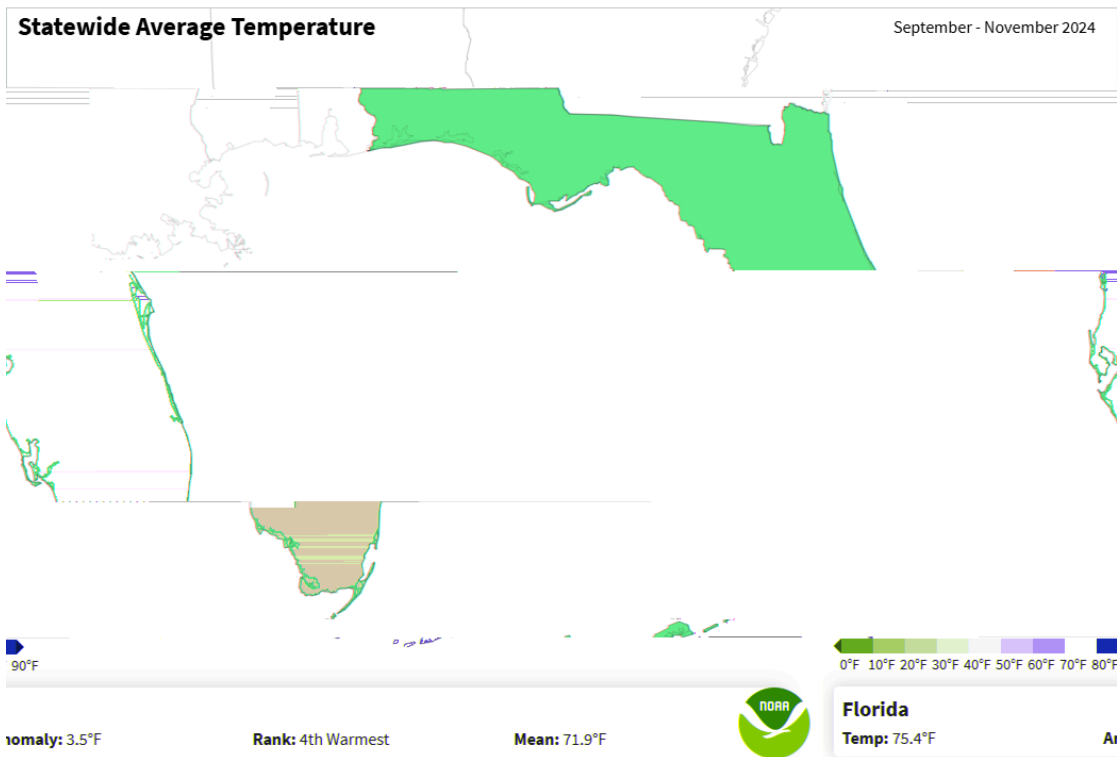


Valid September 1, 2024 Through November 30, 2024

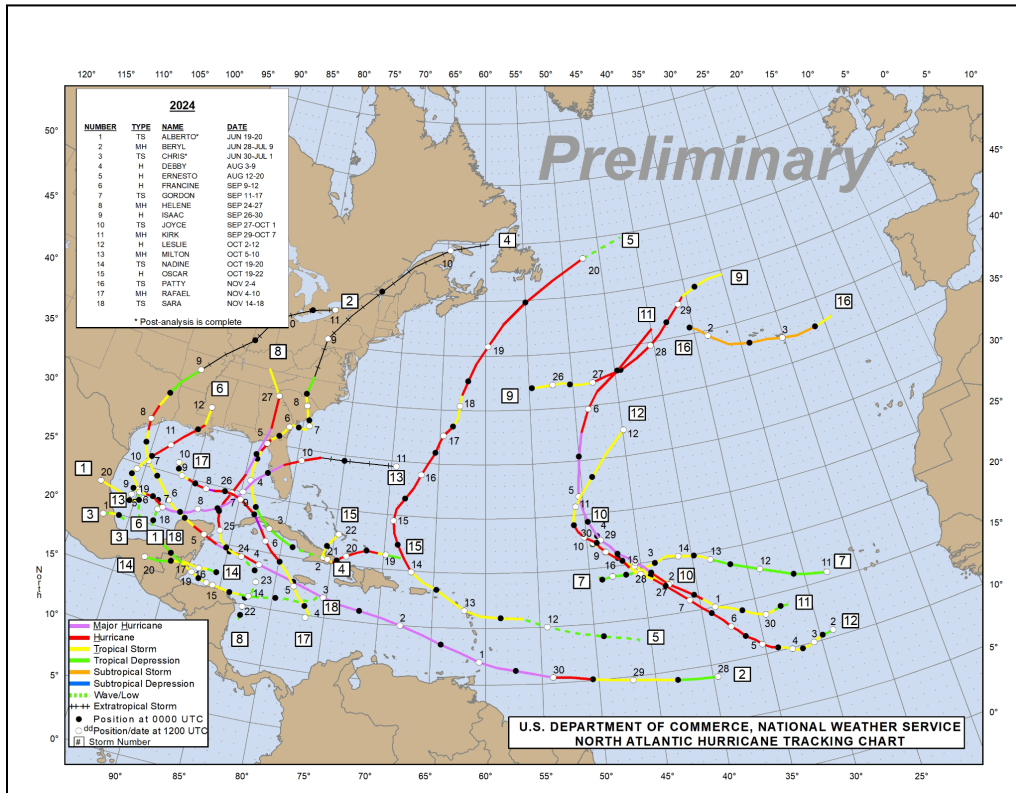




Fourth Warmest Autumn on Record for Florida



Atlantic Hurricane Season Preliminary Track Chart



2024 Atlantic Hurricane Season Birth Numbers

June 1st through November 30th

- **18 named storms, 11 hurricanes, 5 major hurricanes (above average, below):**
 - 14 named storms, 7 hurricanes, 3 major hurricanes
 - Landfalls: 3.6 named storms, 1.6 hurricanes, 0.5 major hurricanes
- **5 US hurricane landfalls (all in the Gulf): Beryl, Debby, Francine, Helene, Milton**
 - 1886, 2005, 2020 were the only other seasons to have 5+ Gulf landfalls
- **Beryl - earliest category 5 hurricane on record**
- **Helene - strongest observed hurricane over Apalachee Bay.**
- **Milton - 5th most intense hurricane on record.**

Updated December 4, 2024