

The logo features the word "TEXAS" in white, uppercase, sans-serif font. To its right is a red graphic element consisting of the numbers "20" stacked above "36", with a white five-pointed star positioned between them.

TEXAS 2036

Assessment of Historic & Future Trends of

**EXTREME WEATHER**  
**IN TEXAS**

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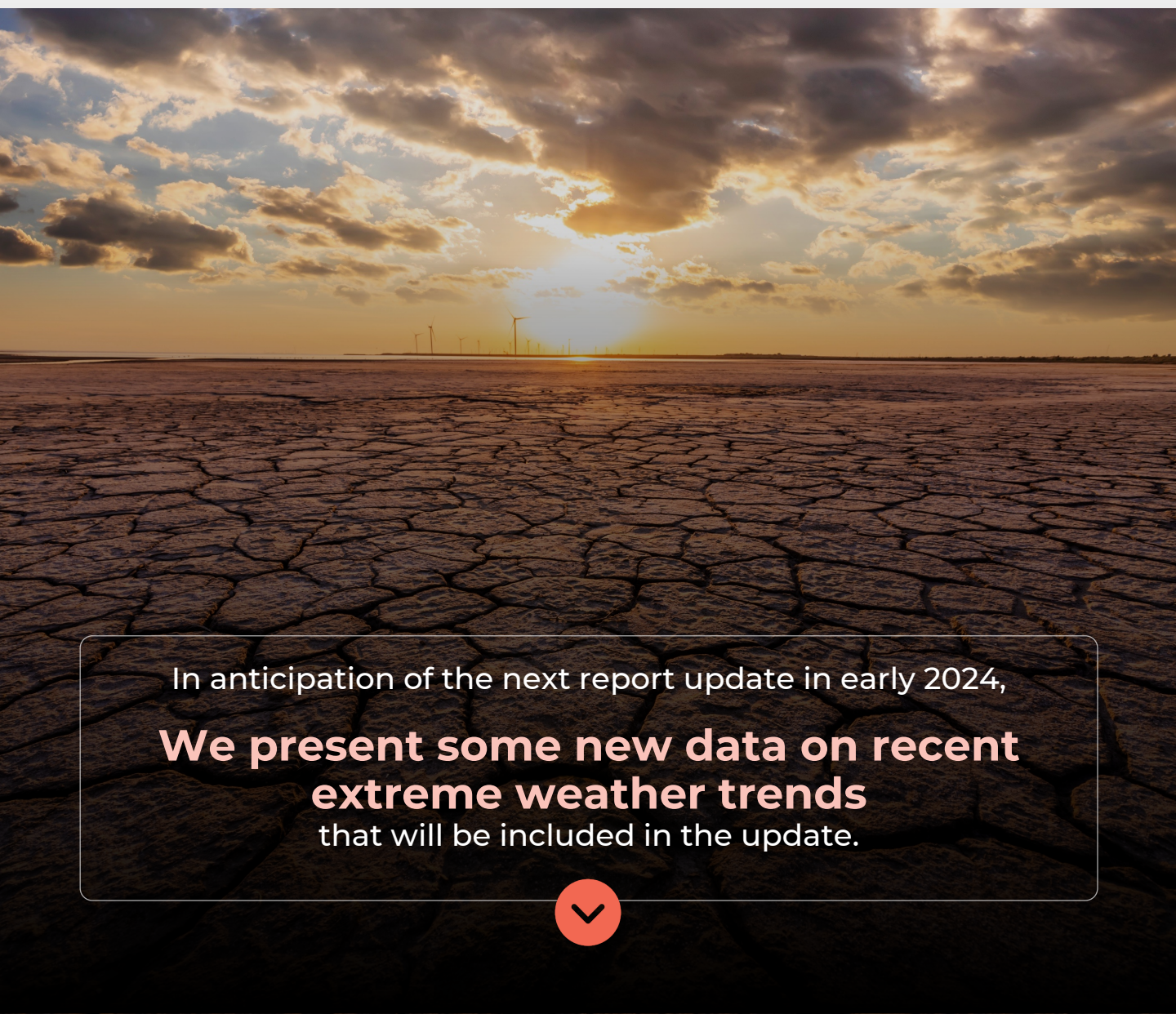
1900-2036



# A FIRST LOOK AT UPDATES FOR 2022-2023

Since the 2021 update to our report Assessment of Historic and Future Trends in Extreme Weather in Texas, 1900-2036,

**Texas has continued to experience extreme weather, notably drought and record-breaking heat in 2023.**

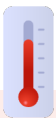
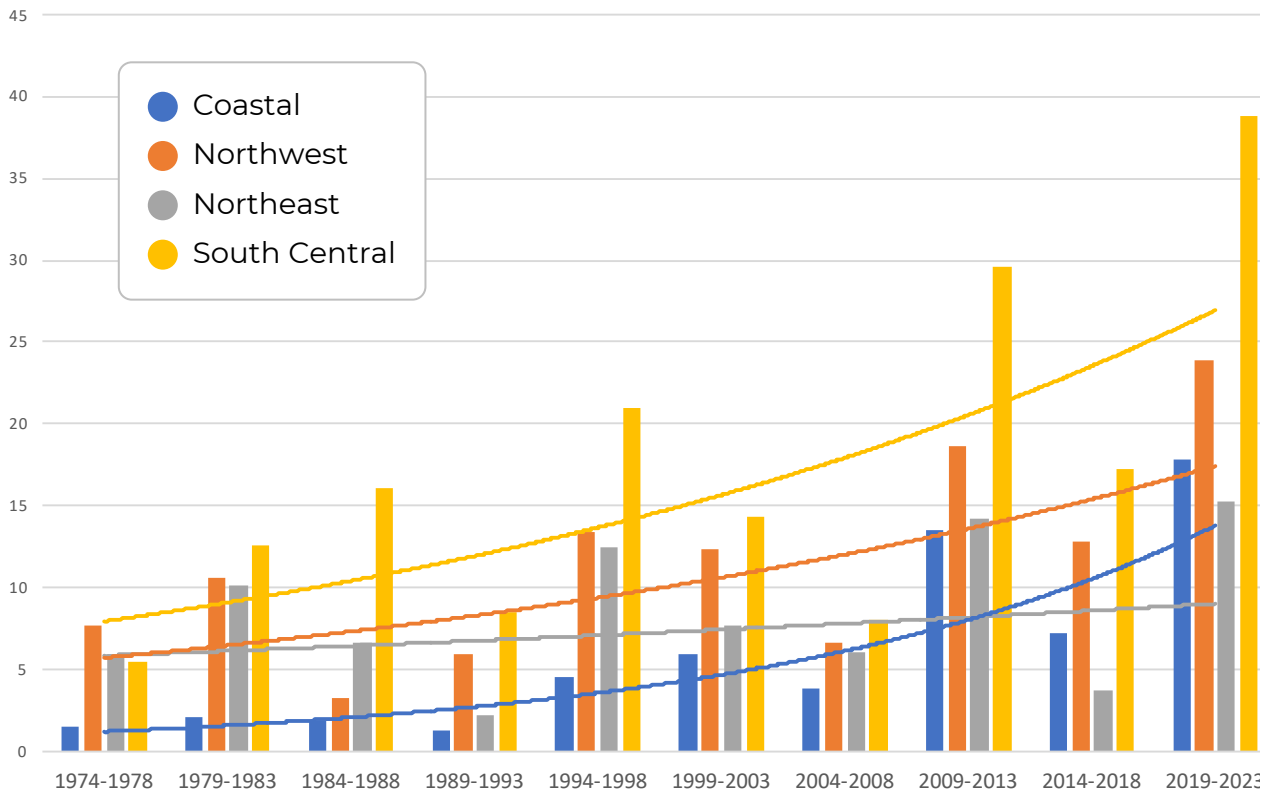


In anticipation of the next report update in early 2024,

**We present some new data on recent extreme weather trends**  
that will be included in the update.



# AVERAGE ANNUAL NUMBER OF 100°F DAYS

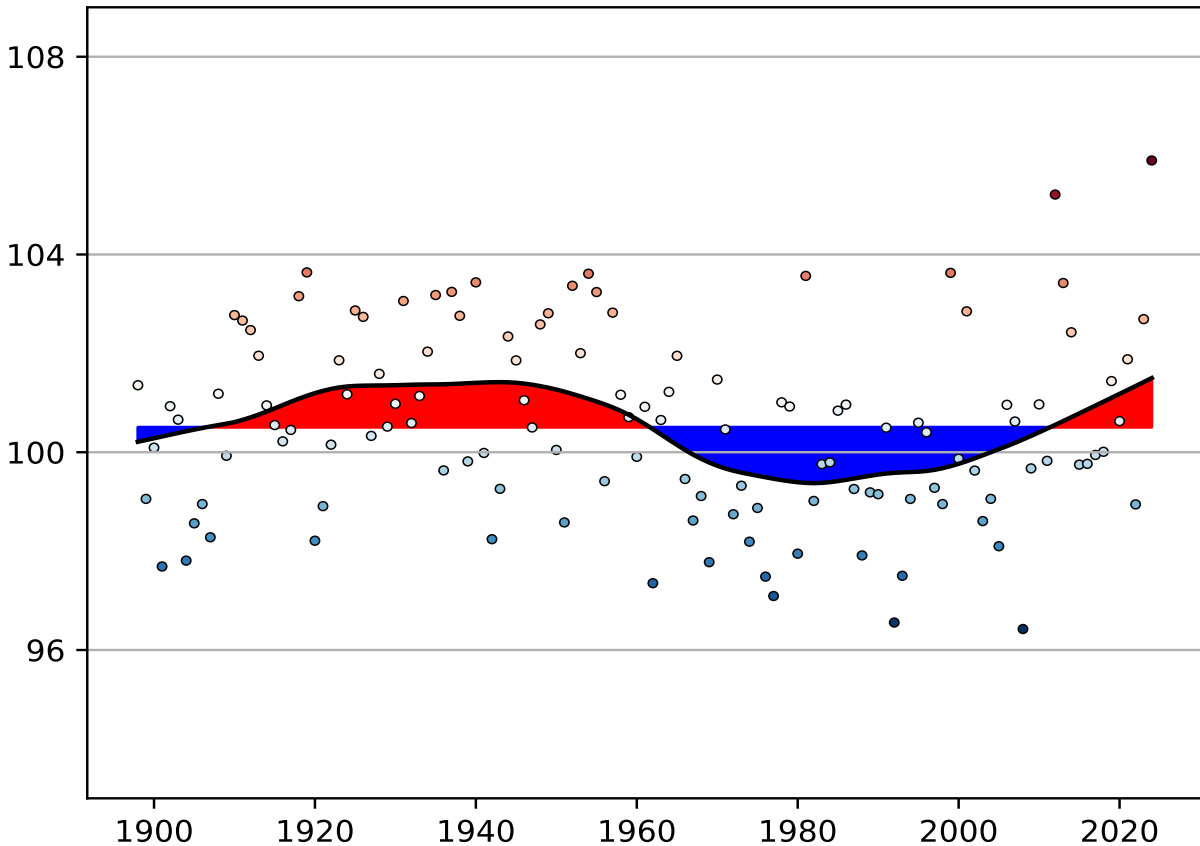


## 2022 saw a significant number of triple-digit days. 2023 was worse.

The long-term trend in the number of triple-digit days marches upward. 2023 witnessed record-high temperatures across the state continuing the trend described in the 2021 report. The 2021 report noted that the number and frequency of triple-digit days doubled since the 1970s. As of now, the average number of triple-digit days has tripled.

# AVERAGE HOTTEST MONTHLY TEMPERATURE

Jun-Sep TX

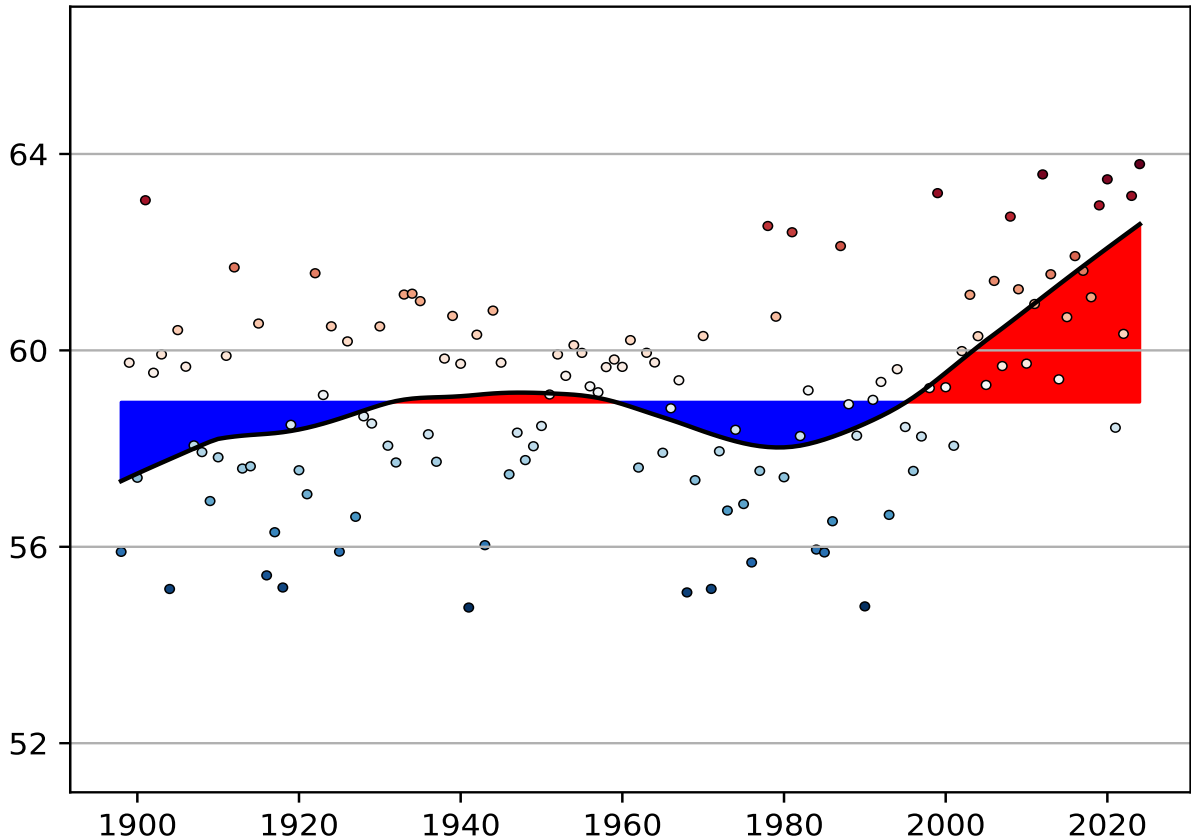


## In 2023 we set the record of the average hottest temperature of a summer month.

In 2023, the average hottest temperature was 106°F, surpassing the previous record set in 2011. The primary difference from 2011 was that 2023's heat persisted through most of September, while 2011 had already turned somewhat milder by then. The summer of 2022 also had some high extremes.

# AVERAGE COOLEST MONTHLY TEMPERATURE

Jun-Sep TX

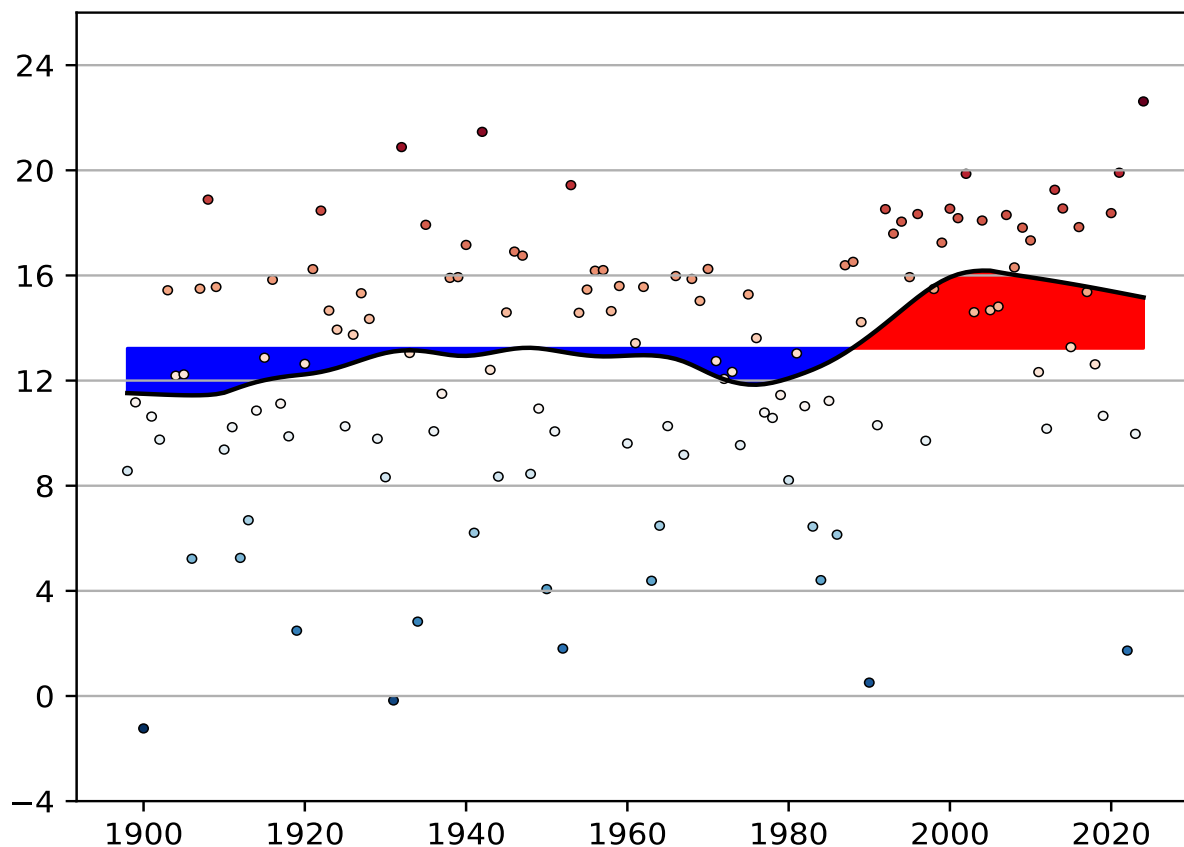


## In a unique twist, Texas experienced the warmest coolest temperatures this summer.

Texans know the only break from summer heat happens at night. This summer cooler summer nights were harder to come by. In 2023, the coldest days in July and August got down to 64°F on average, which is the warmest on record, and 2022 ranked fifth warmest.

# COLDEST TEMPERATURE

TX

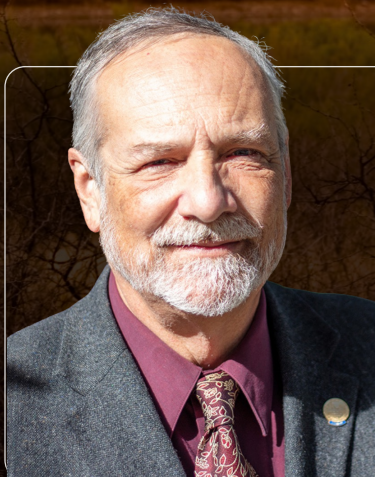


**Following the extreme cold of 2021, 2022 was relatively mild, although temperatures did drop to their second coldest value of the 2000s so far.**

Notably, 2023 was the mildest winter on record, as measured by the coldest minimum temperature observed on average in Texas. This is consistent with the warming trend that shows up in all seasons in Texas.



# TEXAS <sup>20</sup><sub>36</sub>



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