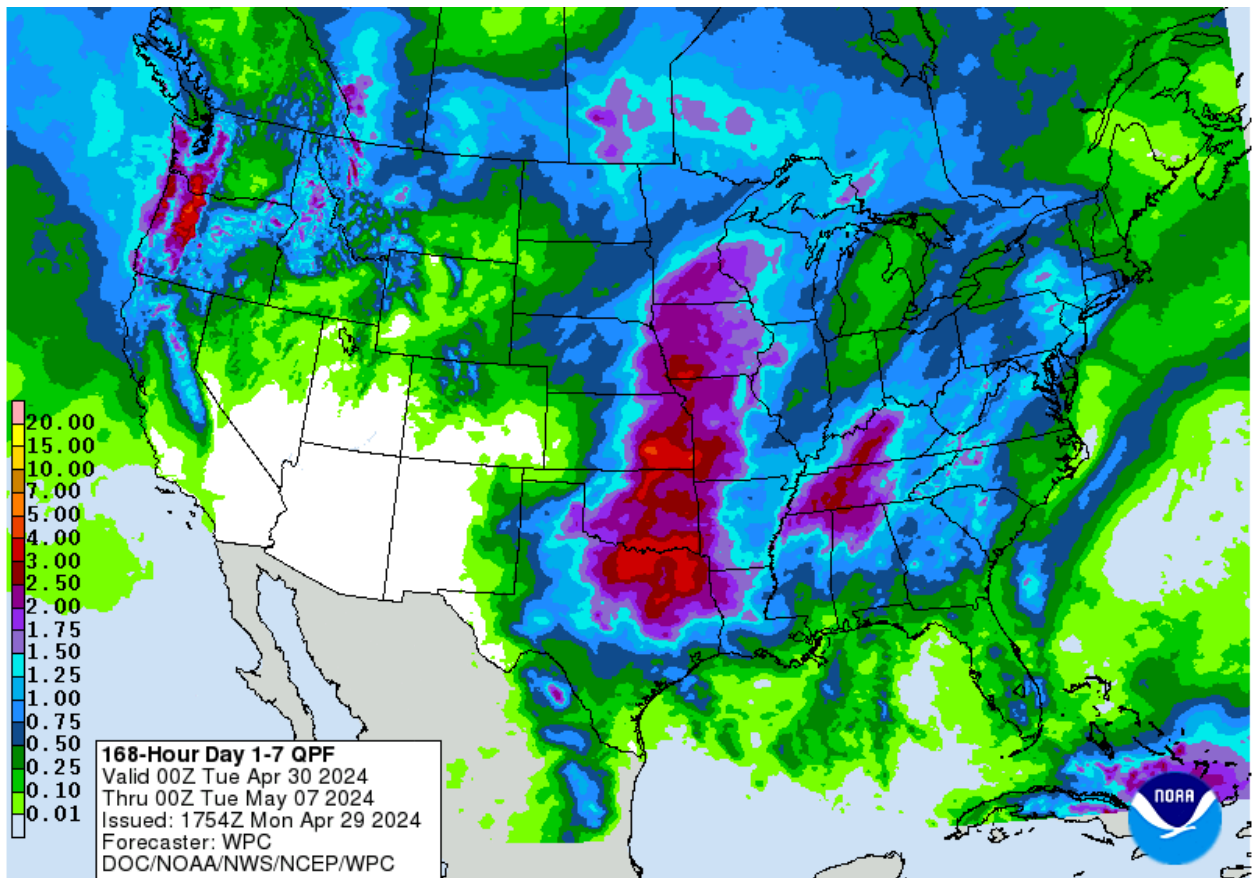


Weekly Climate Summary: 4/21/2024-4/27/2024

Climate in the News:

Picking up where the week of April 14-20 left off, the week of April 21-27, 2024 commenced with the influence of a cold front that allowed for the week to begin with below normal temperatures and precipitation for some. The week then warmed to above normal temperatures, and brought bouts of rain for the State, along with some severe weather. Thunderstorms tracked along an axis just southeast of the Dallas Fort-Worth area on April 26, producing multi-inch totals. On April 27, another band set up near the Wichita Falls area oriented southwest to northeast into Oklahoma. On April 28, a similar band of thunderstorms set up over the Bryan-College Station area, producing monumental rainfall totals that broke a whole host of records. Being beyond the scope of the week, we will save the discussion of the BCS rain event for next week's discussion. Glancing ahead, we see a fairly wet pattern setting up for much of the state, bringing more precipitation to what already has been a very wet year for many, with the bullseye setting up over North Texas, where some areas could see 3-4+ inches of precipitation in the first few days of May.



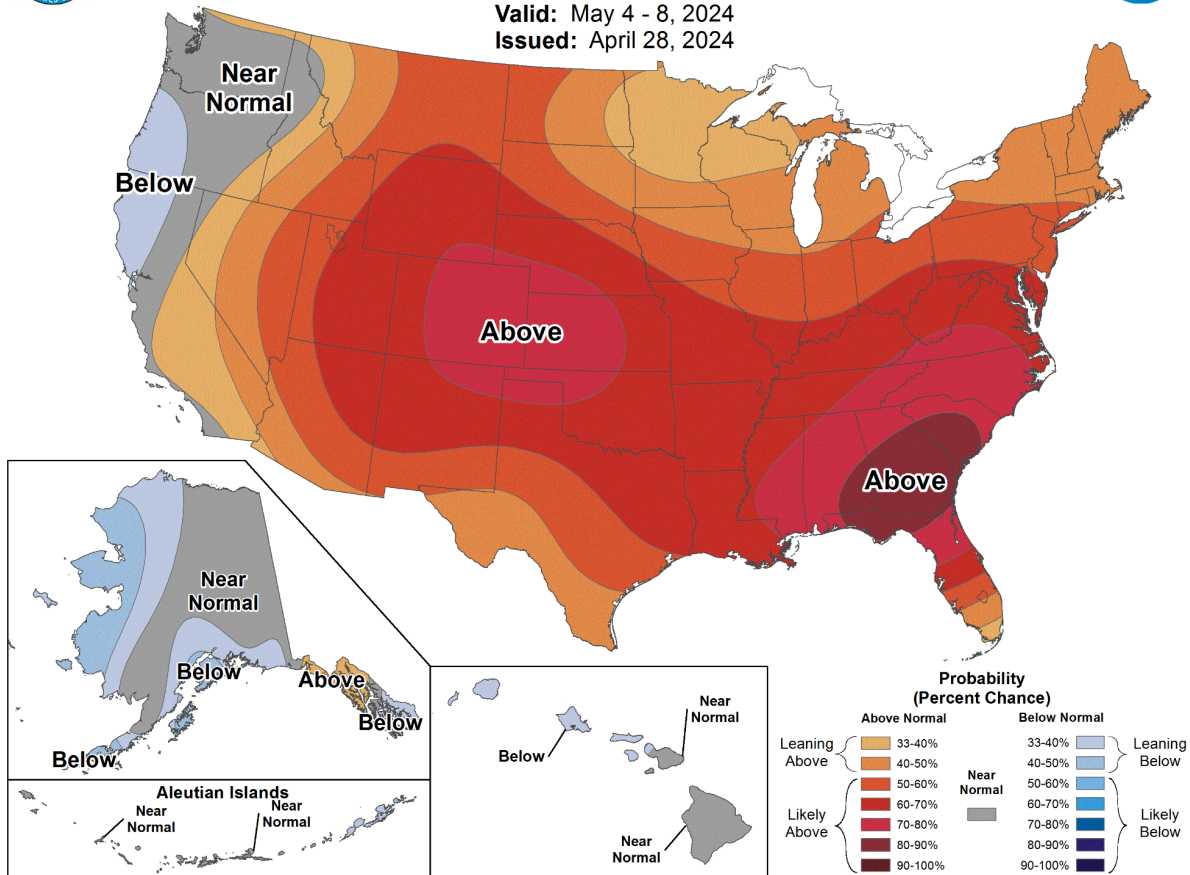
Weather Prediction Center's 7-day precipitation forecast for the United States. We see much of the central plains under the gun form repeated rounds of precipitation, with a large portion of the country, including much of the northern half of Texas, having the possibility of tallying multiple inches of rain over the specified time period. Courtesy: Weather Prediction Center.



6-10 Day Temperature Outlook



Valid: May 4 - 8, 2024
Issued: April 28, 2024

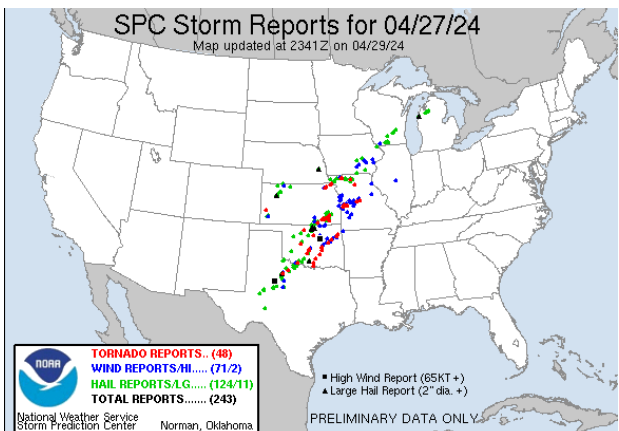
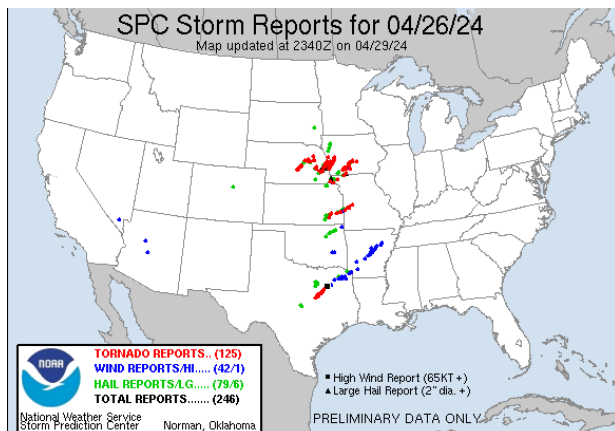
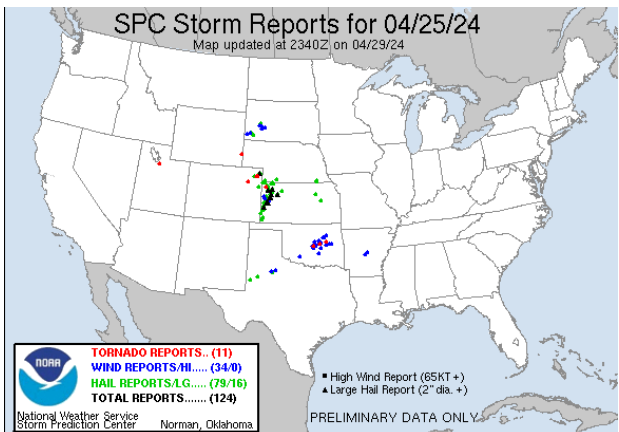
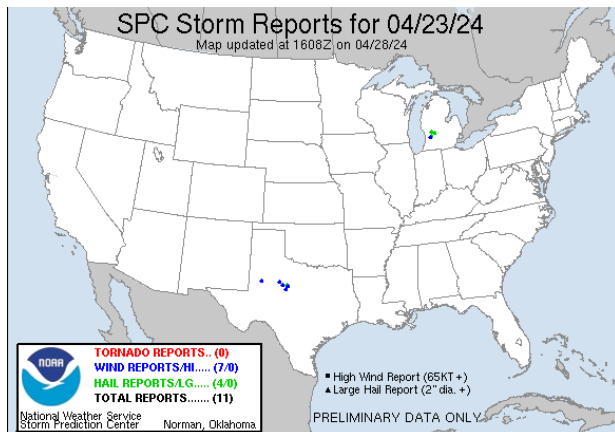


The Climate Prediction Center's temperature outlook for the next 6-10 days. The entire State of Texas is engulfed with the potential for warmer than normal temperatures. Given that this temperature scenario is paired with above normal rainfall, it is likely that the daytime highs would be kept at bay by afternoon cloud cover and precipitation chances, where the nighttime lows are kept much warmer than normal as clouds and southerly winds act to prevent temperatures from cooling effectively at night. Ample moisture content may also act to keep the day-night temperature spread small, amplifying the possibilities of days with well-above normal lows and near or slightly above normal highs. Courtesy, Climate Prediction Center.

Weather Synopsis: The week of April 21-27 continued the streak of consecutive weeks with severe weather reports, as is typical in the month of April. The week started off rather meek with severe weather reports, evolving into a prolific severe weather producer. Fortunately, no injuries or casualties resulted from any of the events. The severe weather reports broken down by day are characterized as follows:

- ❖ April 23- A cluster of wind-producing storms caused intense wind reports west of the Abilene area. The day saw Seven total reports:
 - 6 wind reports with the highest measured gust of 65 mph occurring in Fisher County, with reports of 80 mph estimated gusts in Taylor County
 - 1 hail report with the largest diameter being 1.00" in Taylor County

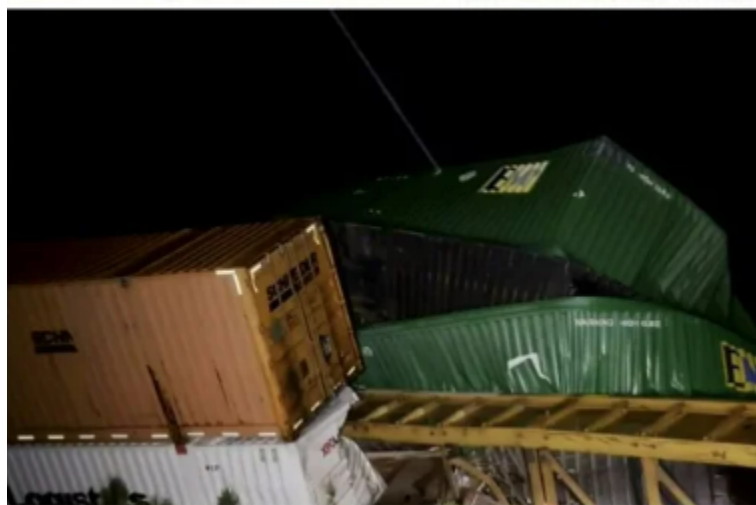
- 0 tornado reports
- ❖ April 25- Some severe hail and wind reports were noted across the southern reaches of the Texas Panhandle. Seven total reports were received by the Storm Prediction Center:
 - 3 wind reports with the highest measured gust being 67 mph in Dickens County
 - 4 hail reports with the largest diameter being 1.75” in Kent County
 - 0 tornado reports
- ❖ April 26- In an uptick of severe weather, the state saw 39 total severe weather reports. Most of the reports were along a line oriented southwest to northeast stretching from Central to Northeast Texas. The reports included:
 - 14 wind reports with the highest measured gust being **75 mph** in Kaufman County
 - 12 hail reports with the largest diameter being 1.75” in Tarrant and Camp Counties
 - 13 tornado reports, the strongest of which were two EF1 tornadoes in Navarro County. The maximum estimated wind speeds for each tornado were 110 mph
- ❖ April 27- A slew of mainly hail reports were noted across the southeast Panhandle and into the Wichita Falls and Childress areas. The 37 reports were characterized as follows:
 - 4 wind reports with the strongest measured gust being **78 mph** in Fisher County
 - 31 hail reports with the largest in diameter being **2.75”** in Knox County
 - 2 tornado reports, with neither tornado assigned a rating.



Maps of the reports of severe weather received by the Storm Prediction Center during the week of April 21-27, 2024. A total of 90 severe weather reports were received. They can be broken down into 27 wind reports with the highest reports being some estimated 80 mph gusts in Taylor County, 48 hail reports with the largest being 2.75" in diameter seen in Knox County. 15 tornado reports were also noted across the State in the week of April 21-27. The strongest tornadoes were two EF1s that ravaged Navarro County with estimated maximum winds of 110 mph. Maps courtesy of the Storm Prediction Center.



A mobile home was completely destroyed after a high- end EF1 tornado tore through Navarro County. Courtesy CBS News Texas.

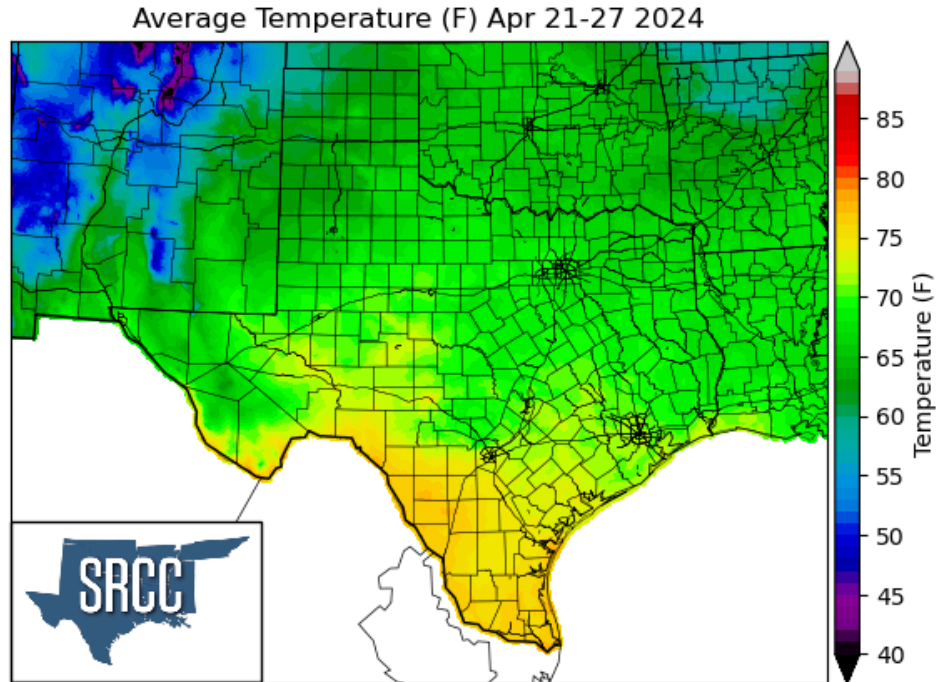


Train cars derailed in Taylor County by straight line winds estimated to be as high as 80 mph. Photo Courtesy: Yahoo! News.

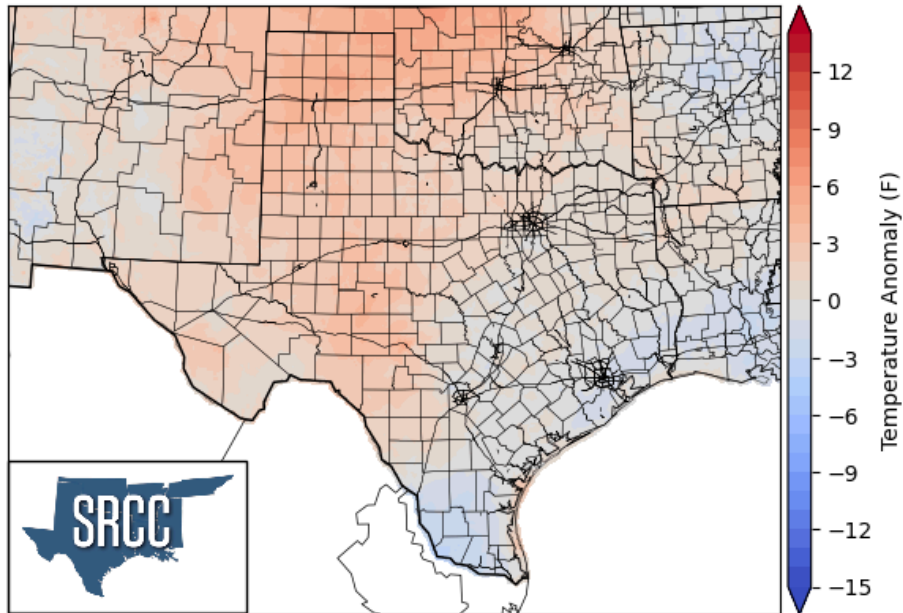
Temperature:

The State of Texas saw a mixture of departures from slightly below to slightly above normal values. Average weekly temperatures across the state generally ranged from 60°F to 80°F, with the coolest stations below this lower value. The statewide extremes in average weekly temperature are as follows:

- The Hart Co-op site in Castro County saw the lowest weekly average at 58.3°F
- The Del Rio International Airport in Val Verde County saw the highest weekly average at 78.6°F



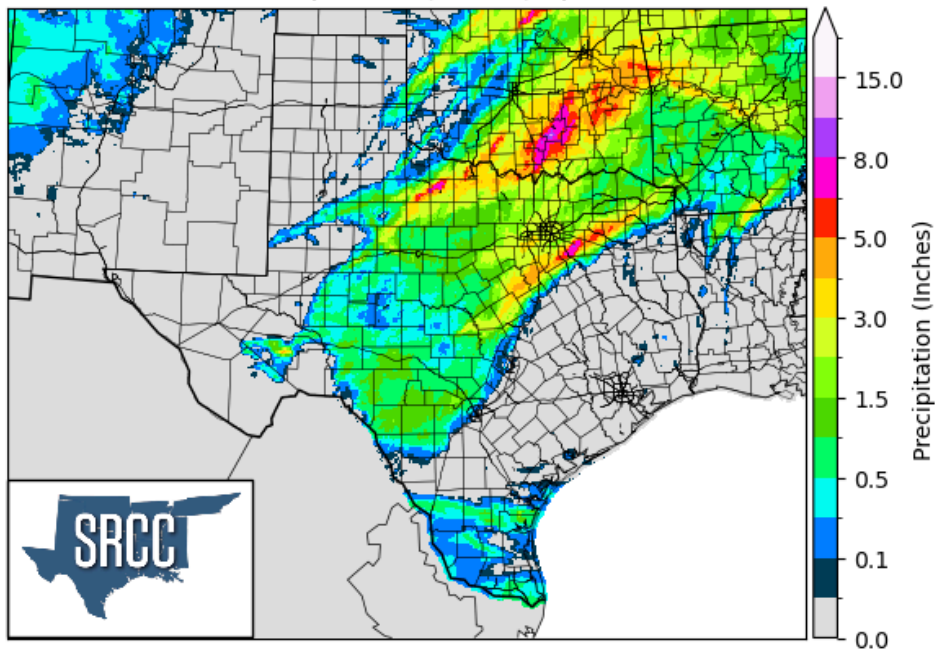
Mean Temp Anomaly (F) Apr 21-27 2024 vs 1991-2020 Normals

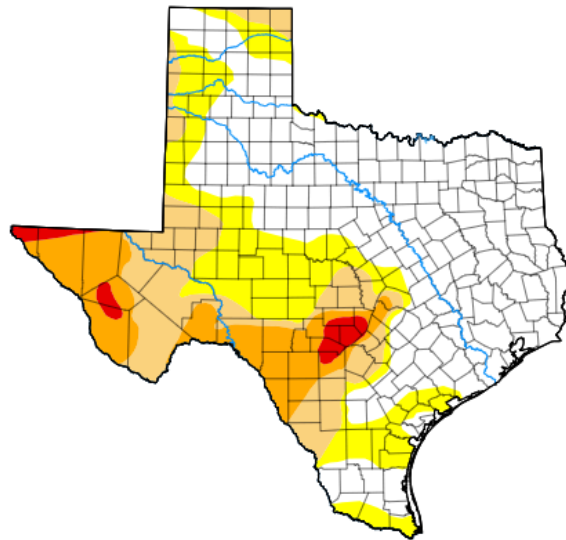


Precipitation:

About 1/3 of the State saw appreciable rainfall in the week of April 21-27. Two concentrated areas of rainfall can be seen where thunderstorms repeatedly tracked over the same areas, with narrow streaks of rainfall totals of up to five inches being seen southeast of the DFW area. Some areas that are suffering from drought saw rain, but not enough to cause a significant erosion of drought. The heaviest rain fell over areas not seeing drought conditions however.

Accumulated Precipitation (Inches) Apr 21-27 2024

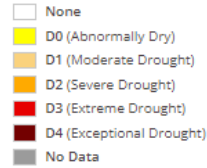




Map released: Thurs. April 25, 2024

Data valid: April 23, 2024 at 8 a.m. EDT

Intensity



Authors

United States and Puerto Rico Author(s):

[David Simeral](#), Western Regional Climate Center

Pacific Islands and Virgin Islands Author(s):

[Tsegaye Tadesse](#), National Drought Mitigation Center

Statewide extremes:

-The hottest recorded temperature of the week was 104°F at the at the Rio Grande Village Co-op site in Brewster County on April 24, 2024

-The coldest recorded temperature of the week was 32°F at the Bravo Co-op station, in Hartley County on April 22, 2024

-The most precipitation recorded in the week of April 21-27, 2024 was **8.99"** at the Kaufman 2.4 ESE CoCoRaHS site in Kaufman County.

-6 stations broke or tied a record high in the week of April 21-27, 2024.

-10 stations broke or tied record lows for the same week.