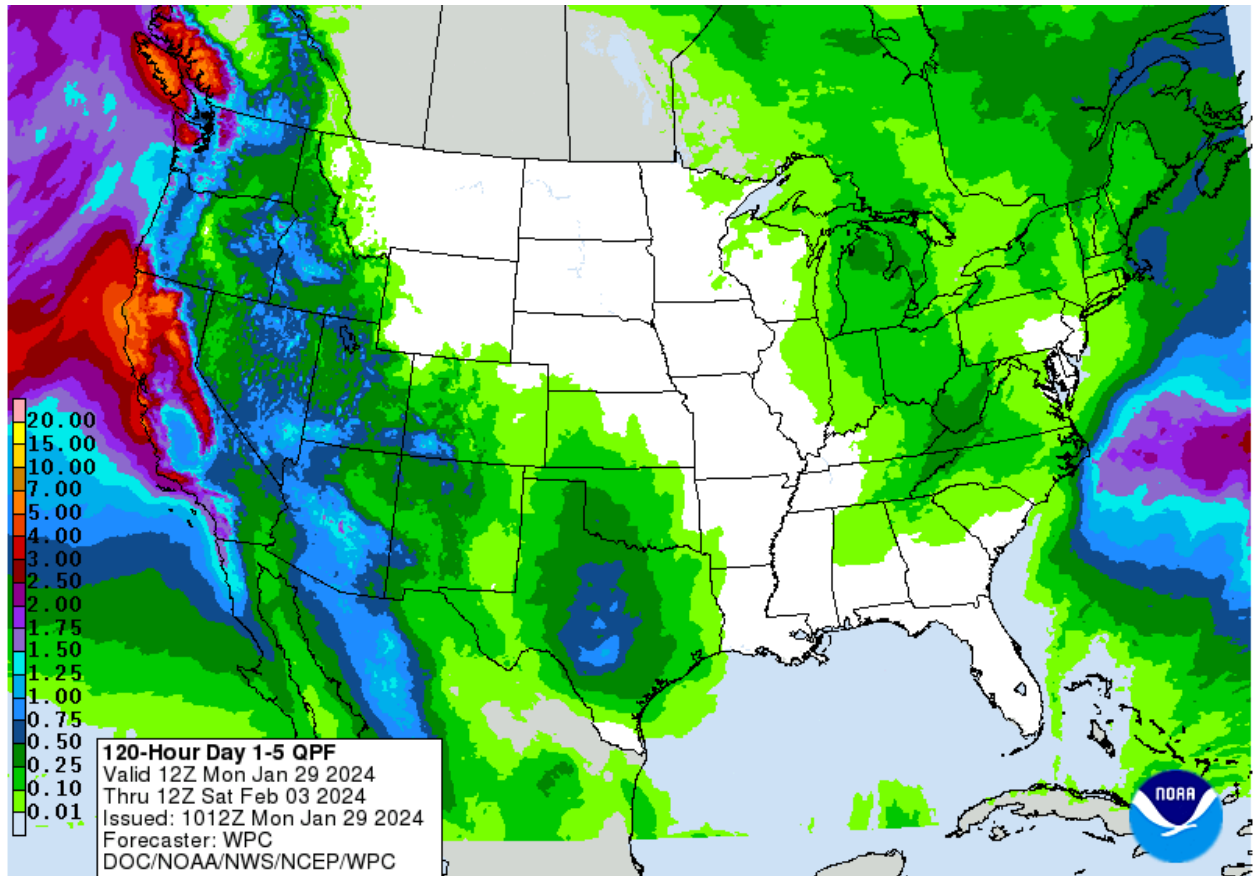


Weekly Climate Summary: 1/21/2024-1/27/2024

Climate in the News:

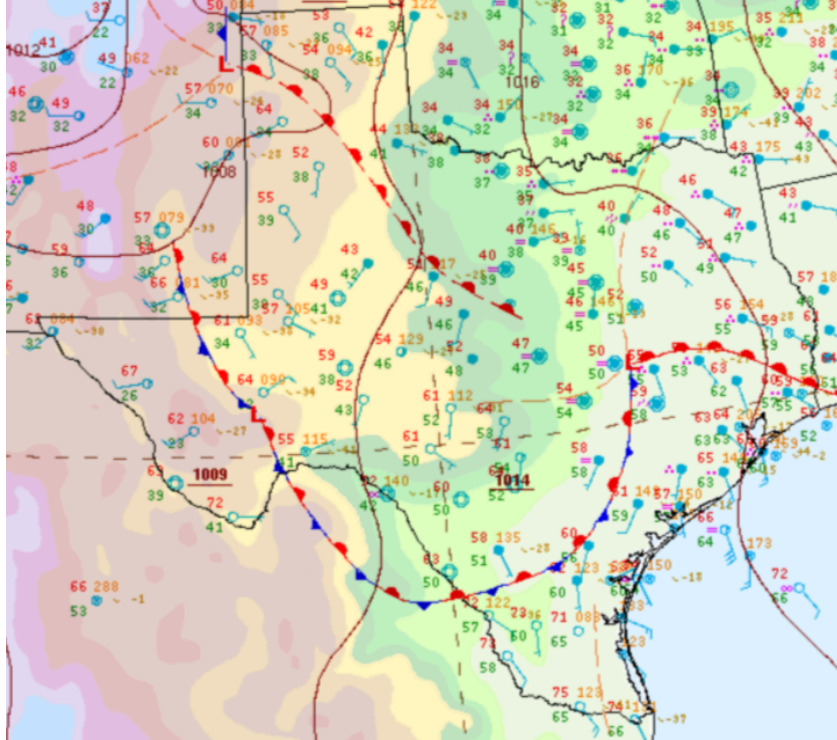
The week of January 21, 2024 opened with heavy precipitation across mainly the eastern half of Texas. The persistent pattern that brought seemingly relentless bouts of rain for millions of people breaks to allow a mainly tranquil start to the upcoming week. As we approach the first weekend of February, another storm system looks to start bringing active weather to Texas. This is shown in the Weather Prediction Center's precipitation forecast from January 29 to February 3.



Source: Weather Prediction Center

Weather Synopsis:

A warm front slowly advanced north, combined with upper level support from repeated disturbances passing over Texas. As a result heavy rain was seen across a significant portion of the state. January, a typically dry month, broke character in 2024 such that many locations saw rainfall totals in excess of five inches. Persistent rounds of rain led to significant flooding. Areas just north of Houston experienced the brunt of the impacts such that several high water rescues had to be performed in Montgomery County.



Weather Prediction Center's surface analysis showing the storm system and warm front/stationary front that served as the focal point for heavy persistent rainfall
 Source: Weather Prediction Center

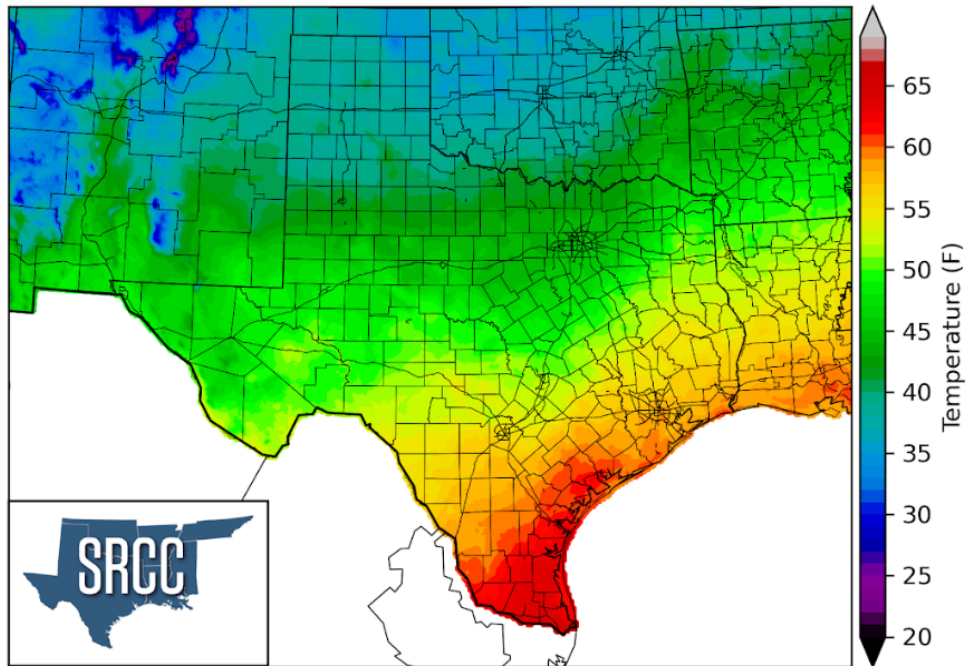
Temperature:

In contrast to the previous week, temperatures across Texas were much closer to climatological averages in the week of January 21-27. Average temperatures across the state were generally between 35°F and 65°F. Temperatures were slightly below average in North Texas up into the eastern Panhandle with slightly above average temperatures noted elsewhere.

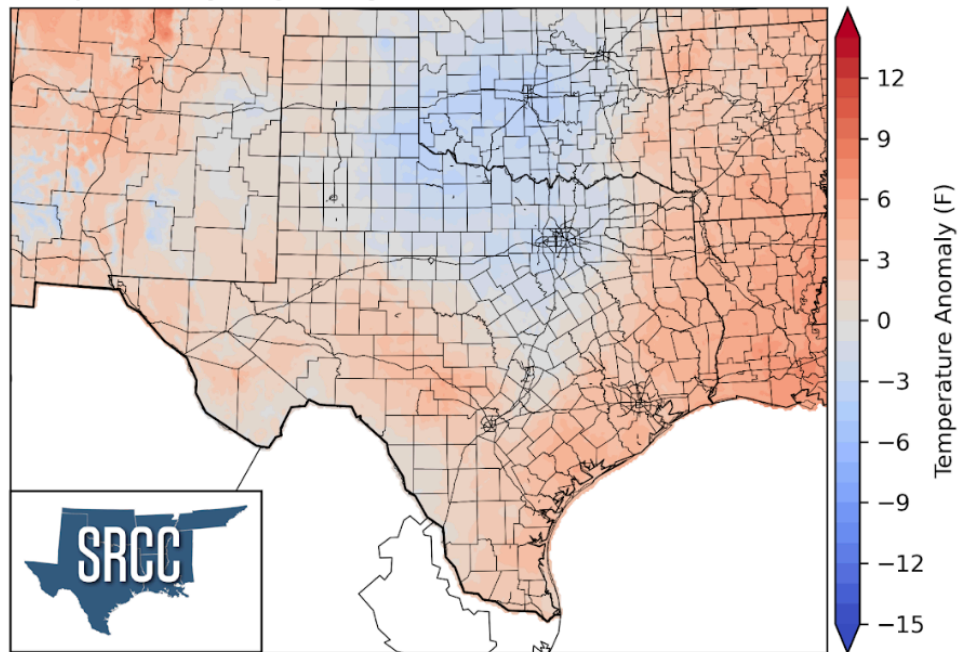
In Texas:

- The Follet Co-op site in Lipscomb County saw the coldest weekly average at 34.7°F
- Brownsville South Padre Island International Airport in Cameron County saw the warmest weekly average at 69.4°F

Average Temperature (F) January 21 - 27, 2024



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

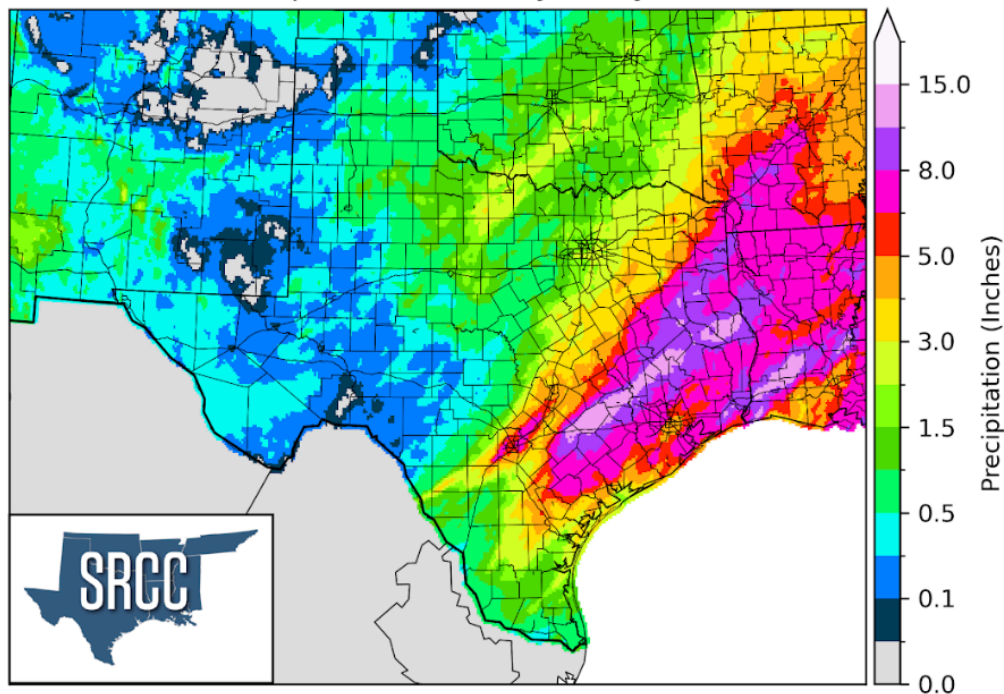


Precipitation:

Rainfall was plentiful across the State with drought busting totals being reported in East and Southeast Texas. A nearly stationary band of thunderstorms aligned itself between College Station and Houston, leading to exceptional rainfall totals of over one foot in select areas. Such

amounts led to numerous high water rescues being performed in Montgomery County as described above, along with many road closures due to high water. Disaster declarations were even issued for San Jacinto and Montgomery Counties.

Accumulated Precipitation (Inches) January 21 - 27, 2024



Statewide extremes:

-The hottest recorded temperature of the week was 81°F at Brownsville South Padre Island International Airport and the McAllen Miller International Airport on January 26, 2024.

-The coldest recorded temperature of the week was 8°F in the Follet Co-op station in Lipscomb County on January 21, 2024.

-The most precipitation recorded on January 21, 2024-January 27, 2024 was 16.47" at the Montgomery 4.0 N CoCoRaHS site in Montgomery County.

-5 stations broke record highs in the week of January 21-27, 2024.

-8 stations broke record lows for the same week.