

Weekly Climate Summary: 6/9/2024-6/15/2024

I. Climate in the News:

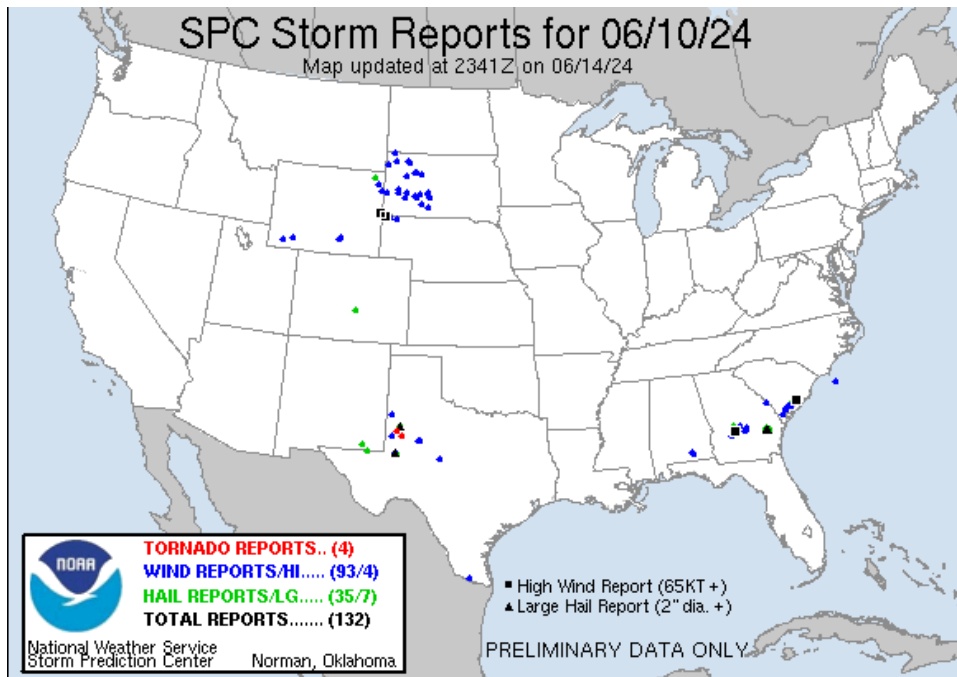
A period of tranquility in the weather world has ensued as we enter into the middle part of June. The hectic severe weather episodes that characterized the spring have tapered to only a few spotty reports across the State of Texas. However, the tranquility that characterized the week of June 9-15 looks to be short lived as heavy rain looks to take aim at a large portion of Texas as we enter the week of June 16-22.

Severe Weather

The severe weather for this week (June 9-15) involved mainly spotty hail and wind reports as is typical for ordinary summertime thunderstorms. Typically, these thunderstorms pop up, produce brief heavy rain, small to marginally severe hail, and strong to marginally severe wind gusts. Six out of the seven days saw at least one severe weather report across Texas, with a total tally of 41 severe storm reports. The reports can be further subdivided into 4 tornado reports, 13 hail reports, and 24 wind reports.

For June 9-15, the extremes in severe weather reports are as follows:

- Though there were 4 tornados reported, none were rated due to lack of damage indicators
- The highest *measured* wind gust was 67 mph at the Lubbock Airport
- The largest reported hail was 2.25" in diameter in Terry County

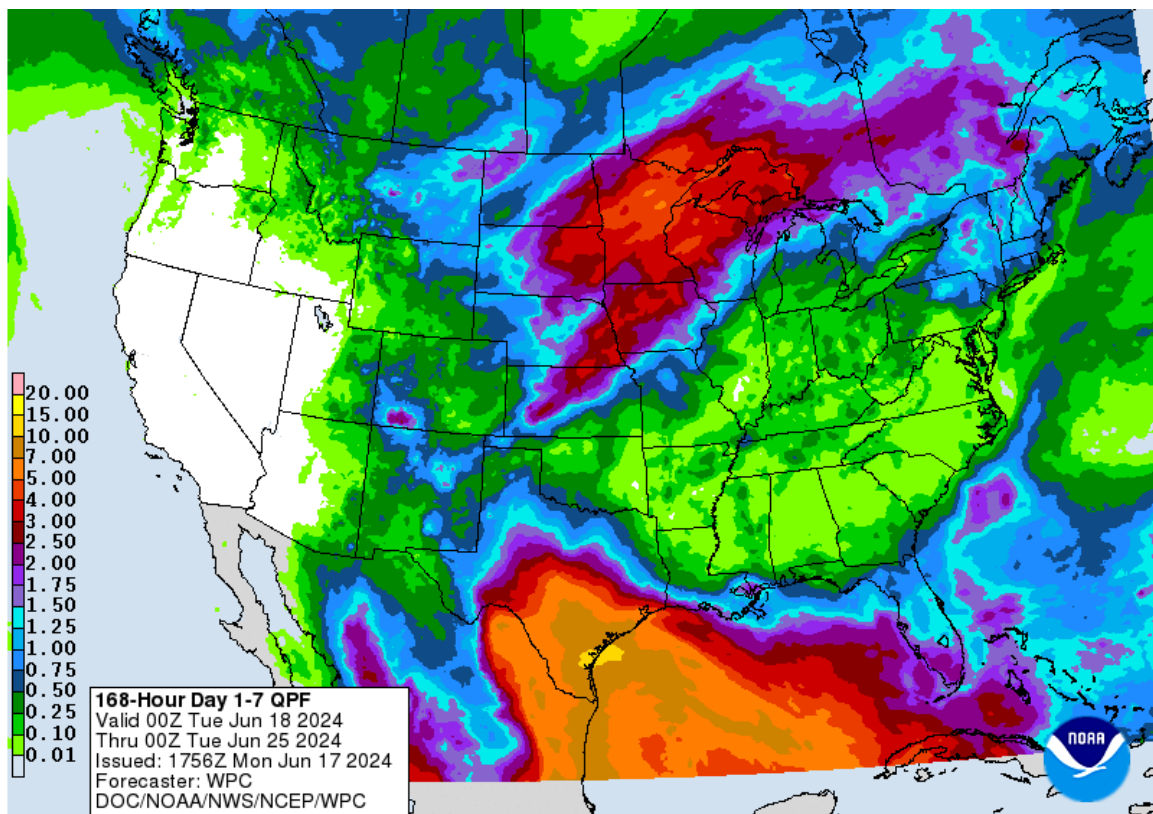


Map showing the most active severe weather day for the State of Texas for the week of June 9-15, 2024. A total of 22 severe weather reports were seen on this day, accounting for over half of the reported severe weather for the week. Map Courtesy of the Storm Prediction Center.

II. Weather Synopsis:

Taking a look ahead, we note a very active pattern developing across Texas. Multiple rounds of heavy precipitation look to take aim at the state as a tropical disturbance looks to move ashore in South Texas. As of now, this tropical disturbance does not look to organize into a hurricane, yet, a tropical depression or even a tropical storm could emerge from this. If the disturbance does acquire tropical storm status, it would become Alberto, the first named storm of the 2024 Atlantic hurricane season.

The heavy rain is extremely beneficial for the Rio Grande Valley as it will help curb some of the relentless heat they have been experiencing since early May. The heaviest rainfall also looks to set up over the parts of the State currently experiencing drought, so this may in fact help the drought numbers improve for the state. The only caveat is that such a large quantity of rain in a short period of time could lead to flooding in localized areas.



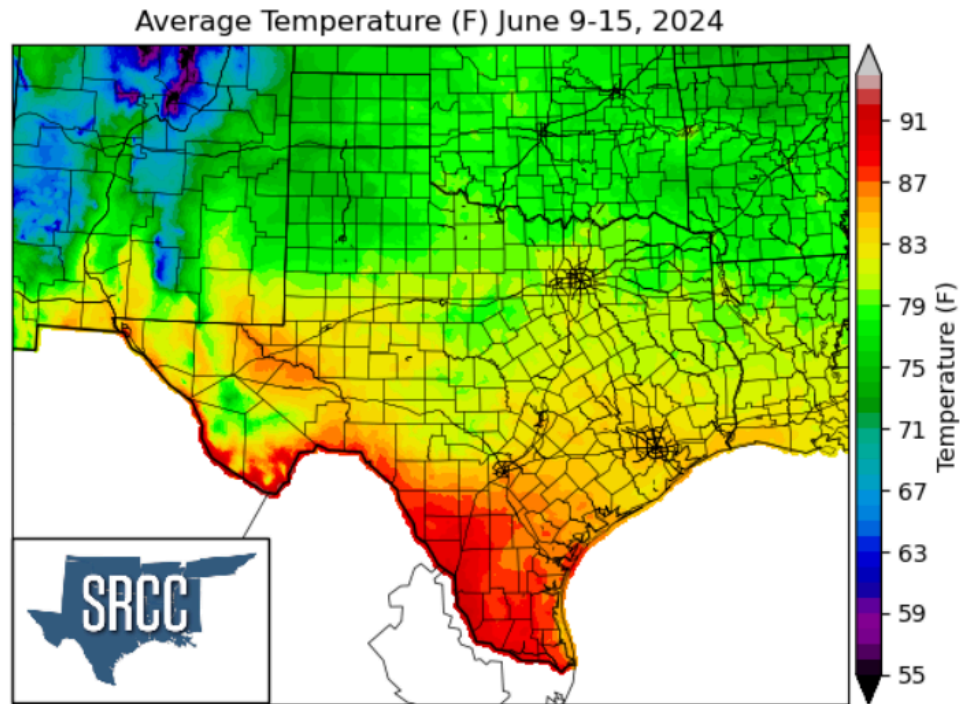
*A map showing the **seven day** precipitation forecast for the contiguous United States as outlined by the Weather Prediction Center. A large portion of Texas looks to receive rainfall totals of 3.00" or more in the next week, however, areas where thunderstorms train over consistently may see double digit rainfall totals, giving rise to flooding concerns.*

III. Temperature:

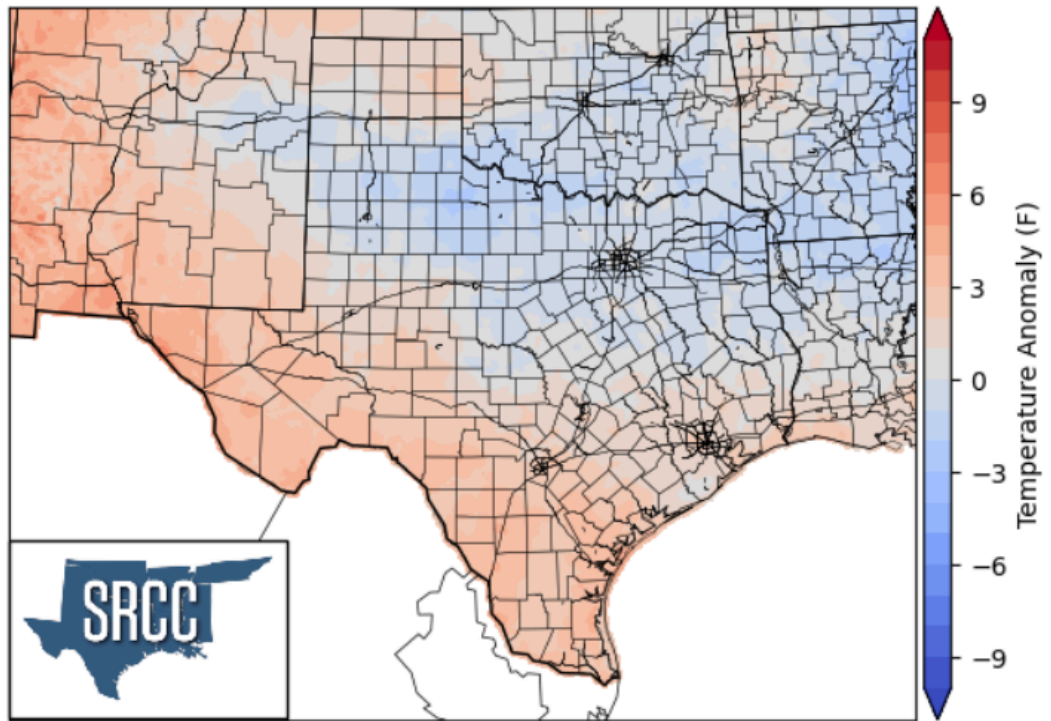
Temperatures across the state were slightly above normal for the week of June 9-15, 2024. Areas that saw heavier precipitation totals tended to have temperatures 1-3 degrees Fahrenheit below normal, whereas areas with little to no precipitation saw temperatures one to as much as five degrees Fahrenheit above average. Overall, statewide average temperatures mostly stuck to

values between 75°F and 90°F, with the extremes tending colder or hotter than the general range. The extremes in average temperatures for the State are as follows:

- The Guadalupe Peak Texas RAWS station in Culberson County saw the lowest weekly average at 69.3°F
- The Castolon Co-op site in Brewster County saw the highest weekly average at 93.4°F



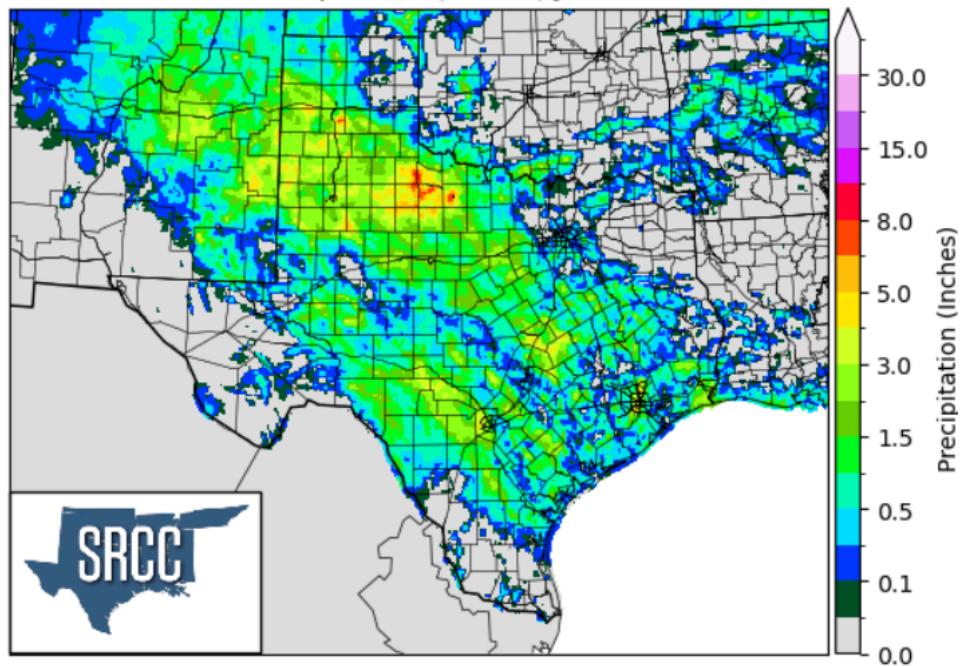
Mean Temperature Anomaly (F) June 9-15, 2024 vs 1991-2020 Normals



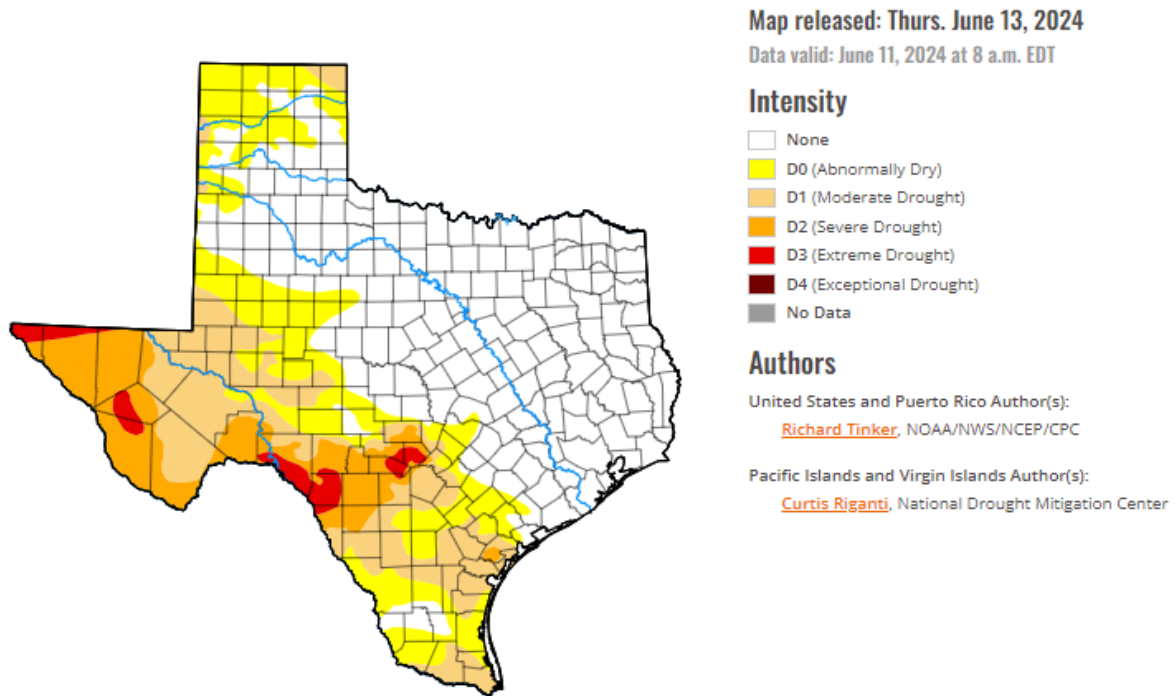
IV. Precipitation

The focus of the heavier precipitation across the State of Texas shifted from the eastern portions of the state as has been the case in the last numerous weeks, and concentrated itself in the southern Panhandle and areas of the Texas Big Country. As tends to happen in the summer, areas with more impressive precipitation amounts also saw cooler temperatures.

Accumulated Precipitation (Inches) June 9-15, 2024



From a drought standpoint, we can note that Texas is not doing too bad at the moment. Areas in South Central Texas as well as the southwestern portions of the state, and even the Trans Pecos region that are suffering from moderate to extreme drought look to be in for heavy precipitation in the following week, leading to likely improvements in drought conditions for these regions.



V. Statewide extremes

- The hottest recorded temperature of the week was **111°F** at the Rio Grande Village and Castolon Co-op sites in Brewster County on June 14 and 15, 2024
- The coldest recorded temperature of the week was 53°F at the Guadalupe Peak Texas RAWS site in Culberson County on June 10, 2024
- The most precipitation recorded in the week of June 9-15, 2024 was 7.40” at the Seymour 3NW Co-opsite in Baylor County
- The rainiest day at any site across the State of Texas was June 12, 2024 where **5.15”** of rain was reported at the Salado 1.5S CoCoRahs site in Bell County.