

TFS WEATHER BRIEF

Monday, July 16

WEATHER HIGHLIGHTS: JULY 16-20

- 1. A FEW STORMS WEST/PANHANDLE AND ALONG OK BORDER TODAY**
- 2. SIGNIFICANTLY DRYING OUT FOR TUE**
- 3. HOT AND DRY BY MID WEEK WITH TEMPS CONSISTENTLY IN 100s**
- 4. DRYING TREND CONTINUES; ALL OF TEXAS NO RAIN FORECASTED**

Today: Expect the ridge aloft over the western CONUS to strengthen as it shifts slightly eastward. This shift combined with building high pressure over the Gulf of Mexico will suppress convection over a large portion of Texas today. In addition to this, satellite has indicated that dust from the Sahara Desert has been blown across the Atlantic and is being advected across Texas. This will aid in thunderstorm suppression and keep temperatures warmer overnight tonight. This will lead to poor relative humidity recoveries. Otherwise, expect a few pop up storms possible over the panhandle and the west. A few surprise storms are possible along the OK border as well. Temperatures will mainly be in the upper 90s to low 100s today with minimum relative humidity values in the mid 20% to mid 30% range.

Tue: By Tuesday, the upper level ridge axis shifts a bit further east strengthening mid level subsidence over much of Texas. At the surface, high pressure over the Gulf continues to nose into Texas from the southeast. This will continue to keep any disturbance from moving into the region as numerous waves will pass over the central Plains over the next several days. Expect temperatures to continue to climb into the 100s with minimum relative humidity values now falling into the teens during the afternoon in the northwest Texas area and some of the West Texas areas.

DAYS 3-5: JULY 18-20

Wed: For Wednesday, strengthening high pressure will now push west keeping all of Texas dry. This shift will even cause the monsoon to shift west and end the precipitation chances in the west Texas areas. Expect surface temperatures to continue to warm into the low 100s in many locations as minimum relative humidity values will consistently fall into the 20% range and into the mid teens. Precipitation chances will continue to be nil.

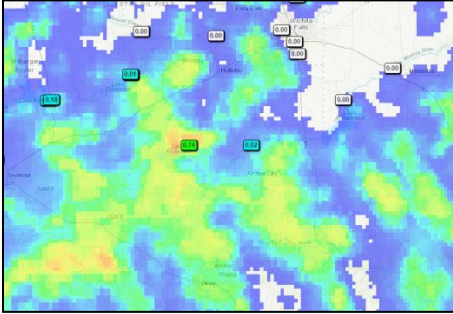
Thu-Fri: The dry pattern that has set up will continue to remain in place through the end of the work week. With the drying conditions, the south to southwesterly winds will be on the increase. Expect to see afternoon winds gusting to near 25 mph at times. This will be combined with temperatures reaching the low 100s for highs across much of Texas for both days. Minimum relative humidity values will continue to fall into the teens each afternoon. This will also cause poor relative humidity recoveries overnight through the end of the week.

EXTENDED OUTLOOK: The Upcoming Weekend

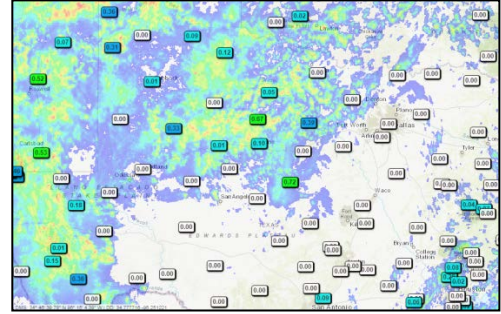
The upcoming weekend will feature the dry weather persisting. Model trend continues to hint at the high pressure remaining in place over Texas. There is some indication of a front setting up along the OK border but the consistency that is shown in the models for this is slim. With this set of reasoning, will continue to expect dry weather with high temperatures above normal.

SUMMARY

Rainfall Summary: A boundary that set up along the northwest Texas and North Texas areas combined with the days heating was enough for several round of showers and thunderstorms. Many locations received a good soaking of rainfall. In fact, at least an inch fell on the Archer Complex in Archer County. The thunderstorms also contained the potential to produce 40 to 55 mph as was seen at several observations.

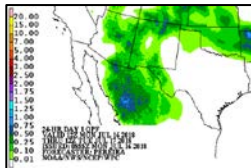


24 Hr Observed/Radar Est Archer Co

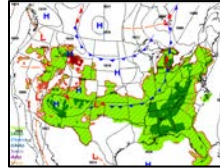


72 Hr Observed/Radar Est Much of Tx

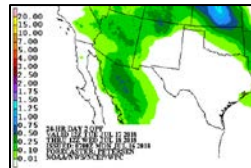
Hot and Dry, Even the West Dries Out: Expect high pressure to remain in place across Texas for the next few days. Today will be the last day for measurable precipitation across the state. Temperatures will continue to be on the increase each day with falling minimum relative humidity values and increasing winds each afternoon.



Rain Forecast Today



SFC Snapshot Today



Rain Forecast Tue



Rain Forecast Wed