

TFS WEATHER BRIEF

Monday, October 15

WEATHER HIGHLIGHTS: OCTOBER 15-19

- 1. SHARPLY COLDER STATEWIDE TODAY-TUE**
- 2. PATCHY FREEZING RAIN HIGHER ELEVATIONS TP TODAY**
- 3. CHILLY OVERRUNNING RAIN EVENT TODAY-FRI**
- 4. LOCALIZED FLOODING RP TO HC TODAY-TUE**

Today: A very strong cold front continues its southward march this morning, aligning from north of Jasper to the Houston Metro area and southward to Victoria and Laredo. Temperatures rapidly cool into the 50's behind the front accompanied by gusty north winds. The freezing line extends from near Shamrock to Lubbock and Seminole while dropping to 5,000 feet in the Trans-Pecos (TP). Lingering snow showers persist over the northwest Panhandle where light accumulations occurred overnight. Meanwhile, winter weather advisories are in effect through tonight over the higher elevations of the TP where patchy freezing rain is forecast above 4,000 feet. Elevated surfaces will be treacherous in the Guadalupe and Davis Mountains. Another threat will be the periods of heavy rainfall in the post-frontal environment where 0.50 to 2 inches are expected from the Rolling Plains (RP) and parts of Northeast TX to the southern Hill Country (HC); streams are running high and the ground is saturated. Record cold max temperatures will be the rule over central and western areas of the state holding in the 30's and 40's.

Tue: The bone chilling cold and wet weather will continue south of the High Plains (HP) with the heaviest rain oriented from Northeast and North TX to the southern Edwards Plateau. Another 0.50 to 2 inches will fall creating areas of urban and street flooding. Streams will also run above their banks at times. Patchy freezing rain will linger above 4,500 feet in the TP before changing to light rain by mid to late morning. Temperatures will move little from dawn to dusk, holding in the 40's over central, northern and western areas. The HP will recover into the 50's as partial sun is observed.

DAYS 3-5: OCTOBER 17-19

Wed: Cloud cover will be widespread for much of the state but rainfall totals will decrease a bit as areas of lighter precipitation are expected from much of West TX south of the I-40 corridor through the HC and into deep South TX. Temperatures will remain very cool statewide.

Thu-Fri: It's more of the same as cloud cover and areas of rain dominate both days. Temperatures will only moderate slowly, rising into the 60's over the southeast third while remaining in the upper 40's and 50's elsewhere. Two day rain totals of 0.50 to 2 inches will occur over the eastern two-thirds of the state with lighter amounts further west.

Extended Outlook: Weekend

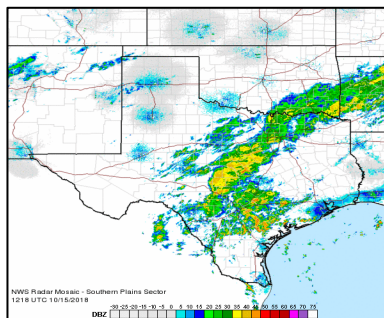
A new push of cool, dry air should partially clear the northern half by Sat afternoon but southern areas will remain cloudy with periods of rain on Sat, pushing into far the south and west Sun.

SUMMARY

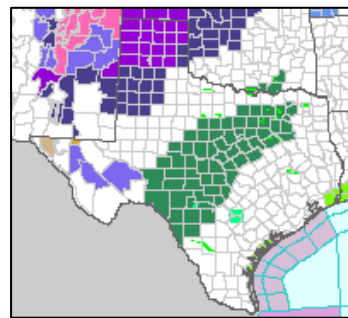
Cold and Wet! *Interesting Texas weather.* It was only last Friday the talk was tropical storms, heat and rainfall; now with the dawning of a new week the talk becomes biting cold, freezing rain and, of course, rainfall. 24 hour rain totals that don't include Saturday's Sergio event indicate hefty amounts from Northeast TX to the southern Hill Country where some locations exceeded 2 inches. The morning radar still shows pockets of moderate to heavy rain over the central third of the state. The NWS issued flood watches for this general area as additional heavy rainfall is expected the next two days. There is a slight risk of excessive rainfall over the Rolling Plains and parts of the Hill Country today. Finally, record cold maximum temperatures are forecast today as the rainfall locks the shallow polar air mass in place keeping temperatures in the 30's and 40's over interior areas. Patchy freezing rain is possible above 4,000 FT later today and tonight over the Guadalupe and Davis Mountains as temperatures fall to 32 degrees. Ice accumulations on mainly elevated surfaces will mostly hold under 0.10 inch.



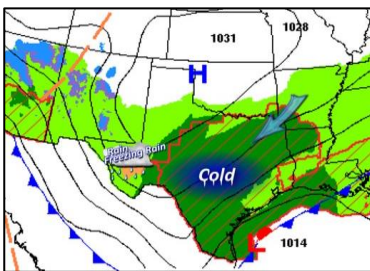
24 HR Estimated Rainfall thru 7am CT



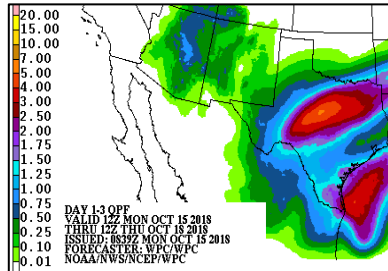
AM Radar Composite



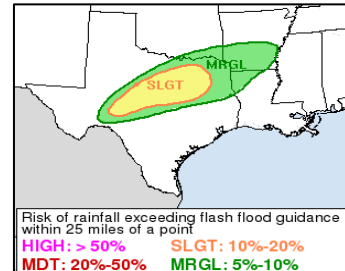
NWS Warnings/ Advisories



SFC Snapshot 7pm CT Today

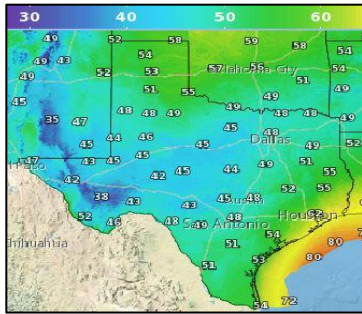


3 Day Rain Forecast to Thu am

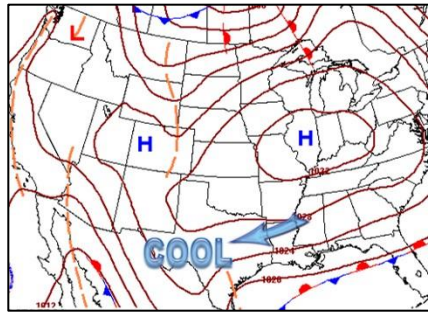


Excessive Rainfall Today

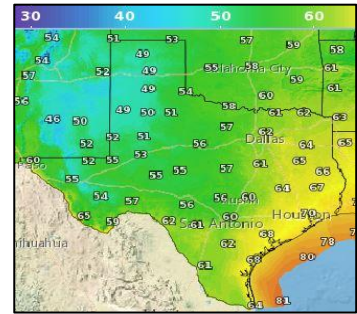
Lingering Chill and Dampness: A chilly, shallow dome of air will be difficult to erode nearly statewide through Thursday as a strong surface high funnels low-level cold air into the state while upper level winds remain southwesterly. This is the perfect recipe for continued overrunning moisture leading to periods of rain and widespread cloud cover. Maximum temperatures will be coldest the next two days before this shallow air mass begins a painfully slow modification. The comparisons to Tuesday and Thursday are provided below along with computer forecasts of cloud cover Thursday afternoon. Note the rain forecast Thursday and Friday keeps much of the state very wet as upper disturbances rotate northeast across the region, spawning large areas of elevated showers and storms. There is hope a push of drier, polar air over the weekend will help the northern half observe the “Big Star” as skies partially clear.



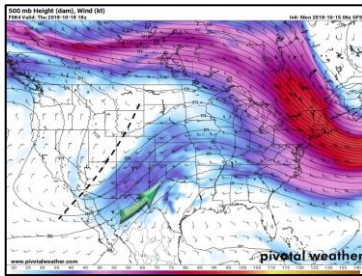
Max Temps Tue



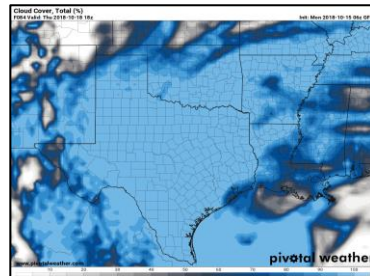
SFC Snapshot Thu



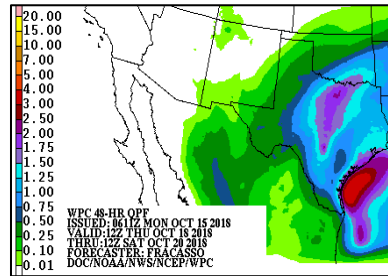
Max Temps Thu



500mb Pattern Thu



Cloud Cover Thu pm



2 Day Rain Forecast Thu-Fri

WPC 48 HR OFF
 ISSUED: 0612Z MON OCT 15 2018
 VALID: 12Z THU OCT 18 2018
 THRU: 12Z SAT OCT 20 2018
 FORECASTER: PRACASSO
 DOC: NOAA/NWS/NCEP/WPC