**SACC Daily Outlook**
Friday, September 2, 2022

**Watches and Warnings as of 0700ET**

- **Red Flag Warnings**: none
- **Fire Weather Watches**: none
- **Flood Watch** through tonight for parts of western TX
- **Flood Warnings** for numerous rivers in TX, LA and MS
- **Flood Advisory** in effect for the Tulsa area

**Today's Weather Outlook**

- A wavy stationary front will be the main focus for numerous showers and thunderstorms today, with **flooding rainfall** a good bet over parts of east TX, LA, AR and the FL panhandle
- Monsoonal moisture and an upper-level low pressure system will continue to produce heavy rain over west TX
- Locations that remain dry today should see highs warm into the upper 80s to mid-90s

**Estimated Rainfall the Past 72 Hours**

- **MRMS**-estimated rainfall totals the past 72 hours are as high as 8-11” over parts of TX, generally highest in central and southwestern areas; numerous sites across the state picked up 2-4”
- Pockets of 3-5” have occurred over portions of OK, AL and SC, while widespread heavy rain affect northern FL into far southern and southeast GA
- The panhandles, Mississippi Valley and portions of SC, NC and eastern VA generally remained dry

Please contact your local National Weather Service office for spot forecasts and the latest watches and warnings.
Predictive Services Large Fire Potential Today

- Low Risk for large fires today across central SC and NC into central and eastern VA, where increasingly dry conditions have been noted (in some cases no wetting rain in 2+ weeks) and highs will reach into the 90s with RH from 25-40%; winds will gust from 15-25 mph this afternoon

Predictive Services Large Fire Potential Saturday

- Low Risk conditions persist across central NC into central and eastern VA, where highs will reach the low 90s, RH will drop as low as 30% and winds may gust up to 15-25 mph in the afternoon
- Low Risk for south FL as highs warm into the 90s, winds gust up to 25 mph and RH drops below 50%
- Low Risk across northwestern OK due to hot, dry and breezy conditions, along with pockets of dry fuels

Predictive Services Large Fire Potential Sunday

- Low Risk conditions for northern portions of central and western OK due to hot, dry and breezy conditions
- Low Risk conditions persist in central and eastern NC and VA due to hot, dry and breezy conditions
- Expect a Low Risk for south FL again due to persistent dry, hot and breezy weather
- Similar areas will continue to see a Low Risk into next week, while significant fire potential remains Moderate to High over large portions of the western U.S.

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10-Hour Fuels

- 10-hour dead fuel moisture is largely above 14% for the Southern Area, though pockets of values from 10-13% are noted in a few areas near and east of the Mississippi River.
- The only areas that may see drying of 10-hours fuels into early next week are east of the Appalachian Mountains and over parts of the TX/OK panhandles into northern OK; values across south FL should remain similar given overnight humidity recovery.

100-Hour Fuels

- 100-hour dead fuel moisture is below 15% over small portions of VA and NC, with values from 15-18% common throughout most of the region.
- Look for a gradual drying trend into early next week in areas that remain dry and hot, mainly south FL, areas east of the Appalachians and for far northern TX into OK.

Keetch-Byram Drought Index (KBDI)

- Despite widespread heavy rainfall recently, some areas of TX into OK and AR continue to see KBDIs from 600-700+, which are more widespread with northward extent.
- KBDIs above 450 are noted in a few portions of northern MS, northern AL, western TN and KY, in addition to upstate SC, central NC and eastern VA.
- KBDIs in southeast FL are also above 450, with some areas near the coast estimated to have values as high as 600-650.

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**Tropical Storm Danielle** is on the verge of becoming the Atlantic’s first hurricane this year and will likely strengthen further this weekend; no impacts are anticipated in the U.S.

**Invest 91L** is producing numerous thunderstorms this morning, but there is not yet a consolidated surface circulation; additional aircraft recon missions are scheduled today into the weekend; NHC is forecasting a 70% chance for development the next five days (more details below)

A low pressure system in the eastern Atlantic remains elongated but is producing clusters of showers and thunderstorms this morning; this low may struggle due to surrounding dry air, and it only has a 10% chance of developing further

Uncertainty remains high for the future of Invest 91L, especially Sunday and beyond

Two forecast camps continue, with a weaker system likely to track farther south and west into next week and a more rapidly organizing system likely to recurve well north of the islands

Development or lack thereof over the next 48 hours will be key to Invest 91L’s impacts

Showers and storms will increase for PR and the USVI beginning late tonight but have the potential to become more numerous Sunday-Tuesday should a weaker low track closer

Impacts to the eastern U.S. are highly uncertain, but should the more westerly solutions verify, the system may move into a more favorable environment for development late next week

Continued improvement is anticipated across most of TX into the Mississippi Valley during the month of September, especially over the next 1-2 weeks as a wet pattern is maintained

Nonetheless, drought will persist over these areas, most notably across the panhandles into OK

Increasing dryness east of the Appalachians the past few weeks may continue this month, with drought development now forecast over upstate SC into central and eastern NC and eastern VA

Though drought is forecast to abate over eastern FL, this will be highly dependent on tropical cyclone activity; no tropical cyclone impacts would greatly increase the risk for drought there heading into fall

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