



Hazardous Weather Briefing

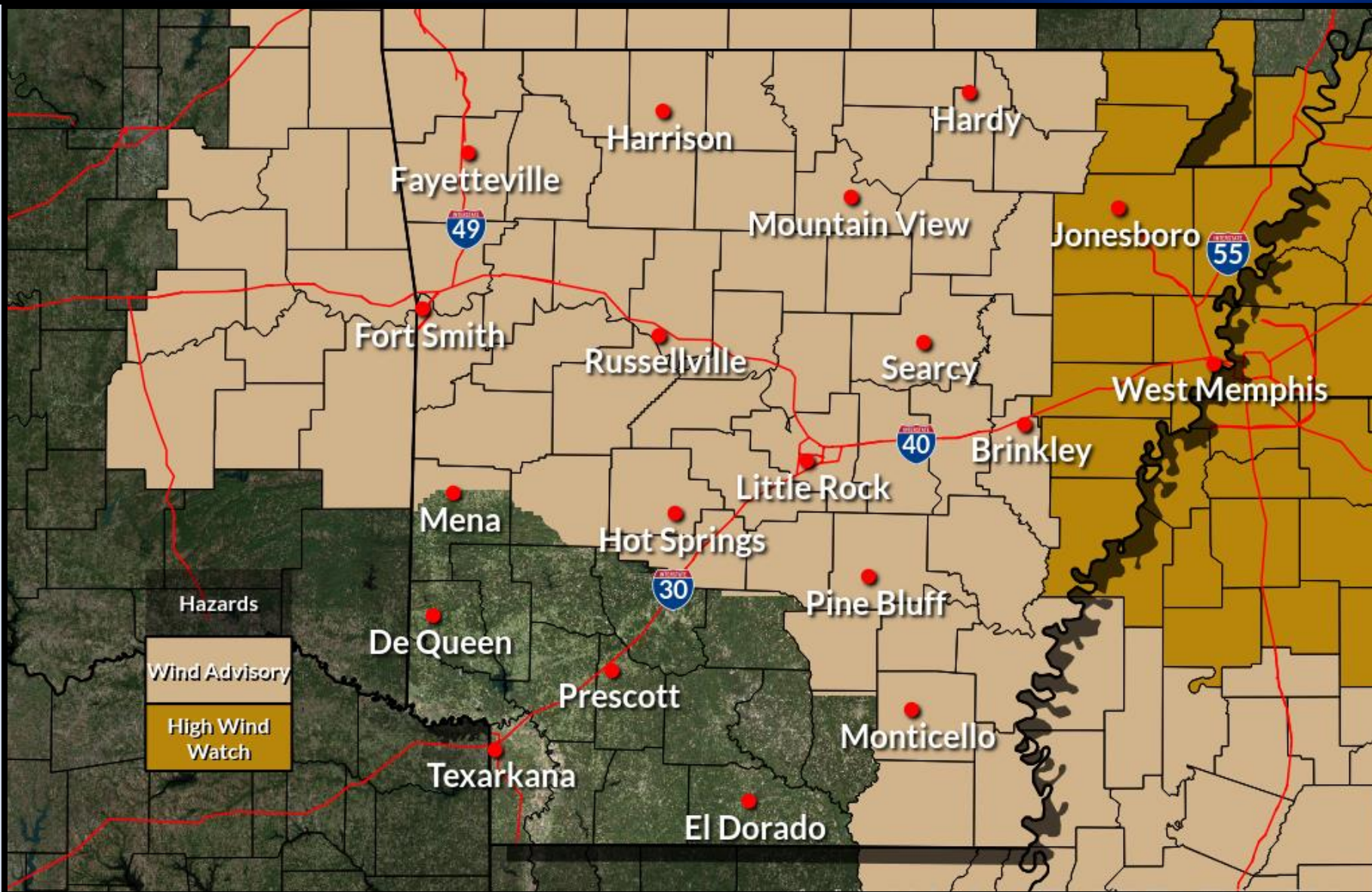
**National Weather Service
Little Rock, Arkansas**

**March 24, 2024
9:00 AM CDT**



- **We continue to monitor a strong cold front that will be moving across the state Monday into Monday evening. Sustained winds of 20 to 30 mph are expected with higher gusts possible outside of any thunderstorm activity.**
- **Strong gusty winds remain the primary threat with storms on Monday. While the tornado threat is minimal, it is not zero.**
- **The greatest overlap of severe thunderstorm ingredients will lie over southern and southeastern Arkansas Monday afternoon and evening. While there is a tremendous amount of wind energy with this system, instability is limited.**
- **Widespread rain is expected before the actual cold front arrives which will further decrease the chance of widespread severe weather.**
- **In addition to severe weather, localized heavy rainfall is possible, primarily over the western half of the state. Some localized flash flooding issues may arise as a result.**

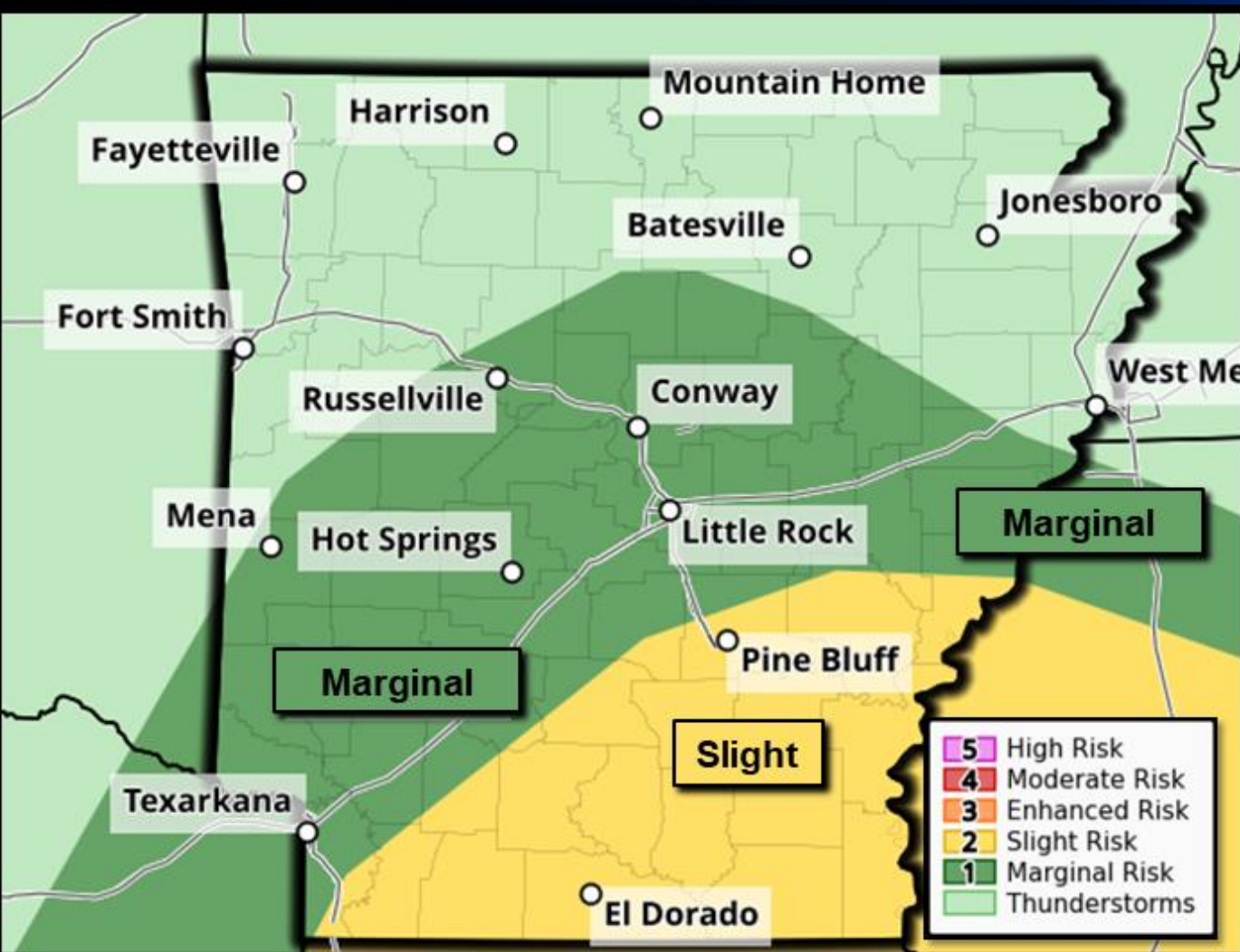
Windy conditions expected tonight and Monday



Strong gusty winds are expected to develop in advance of a storm system that will be coming through on Monday.

Sustained winds out of the southeast at 20 to 30 mph are expected in advance of the frontal system. Winds may gust to 40 mph or even a little more in a few spots.

Severe Weather Outlook: Monday into Monday Night (March 25)



Maximum Hail Size
Up to Softball
Up to Baseball
Up to Golf ball
Up to Quarter

Maximum Wind Speed
80+ mph
60-80 mph
Up to 60 mph

Tornado Potential
High
Medium
Low
Very Low

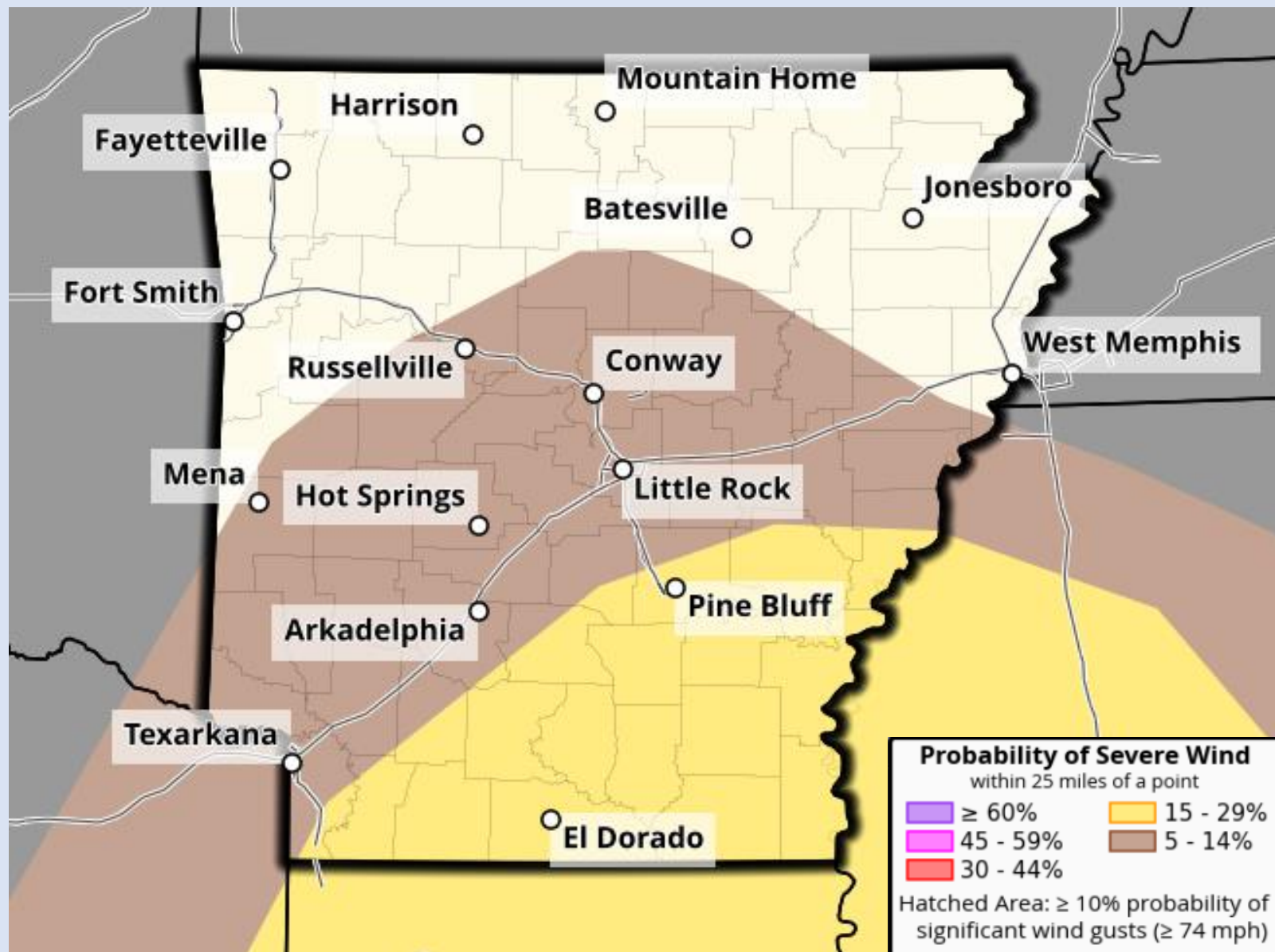
A strong cold front will move across the state on Monday resulting in numerous showers and thunderstorms.

During the late afternoon and evening hours, there will be a window for strong to severe thunderstorms to develop over the south and southeast part of the state.

While there will be large amounts of wind energy, instability will be lacking to keep the severe threat limited.

There is a chance for a few strong to severe thunderstorms Monday afternoon and evening over the southeast part of the state. The primary concern will be strong gusty winds. While not likely, a brief tornado or two can not be ruled out.

Damaging Wind Risk: Monday afternoon and evening (March 25)



The main concerns with this storm system will be strong gusty winds in excess of 60 mph.

With the amount of wind energy associated with this system, a brief tornado spin up can not be ruled out although the odds are fairly low.

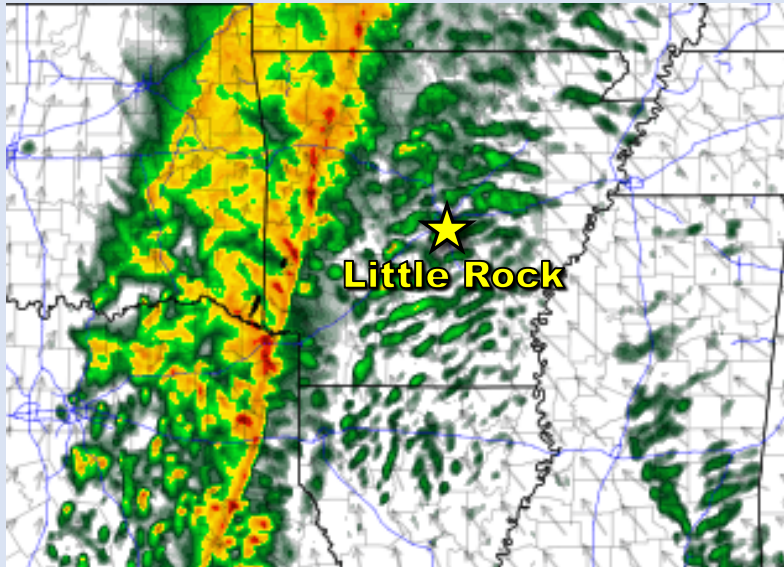
While some small hail is possible, the atmosphere is not supportive of very large hail.

Simulated Radar: Monday (03/25/24)

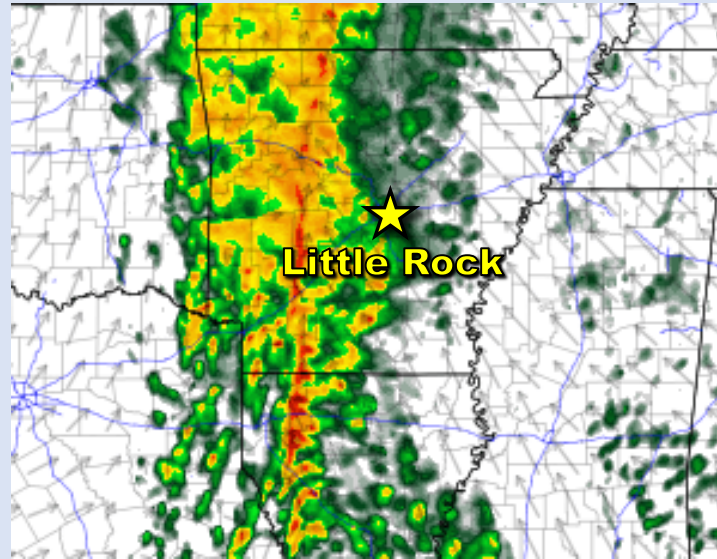
Weather Forecast Office
Little Rock, AR



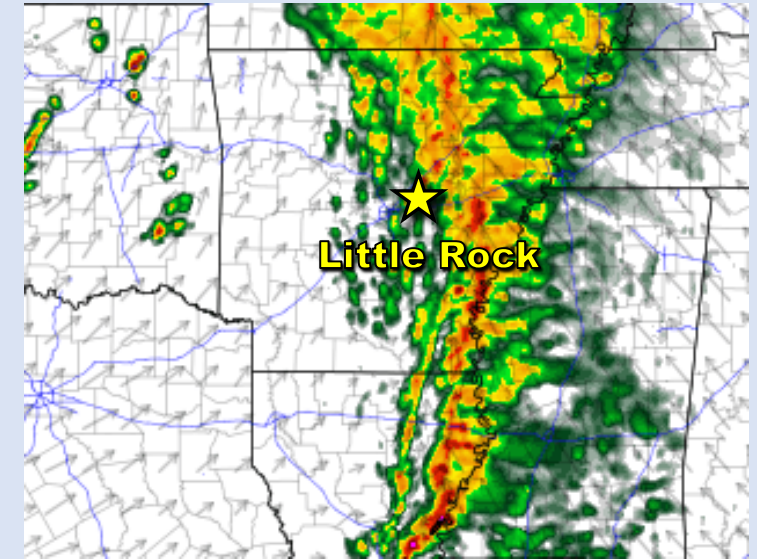
10 AM CDT Monday



1PM CDT Monday



5 PM CDT Monday



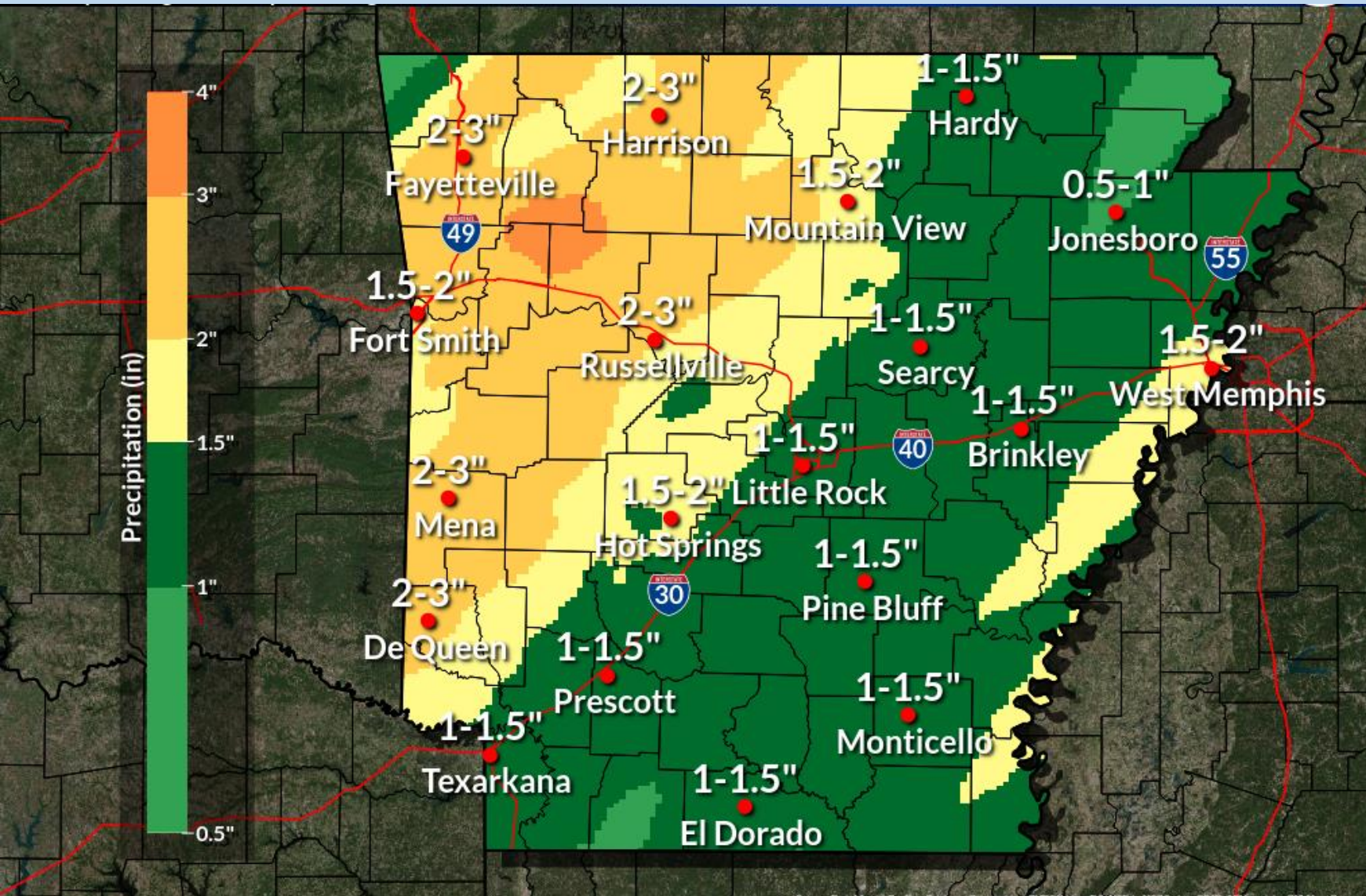
Here is the timing of the cold front on Monday as it races across the state.

****Note that this is provided as a representation of how and where storms *may* develop and evolve through Monday night, and is only representative of a single model run.**

Graphics Courtesy of
College of Dupage

Forecast Rainfall: Tonight through Monday Night

Weather Forecast Office
Little Rock, AR

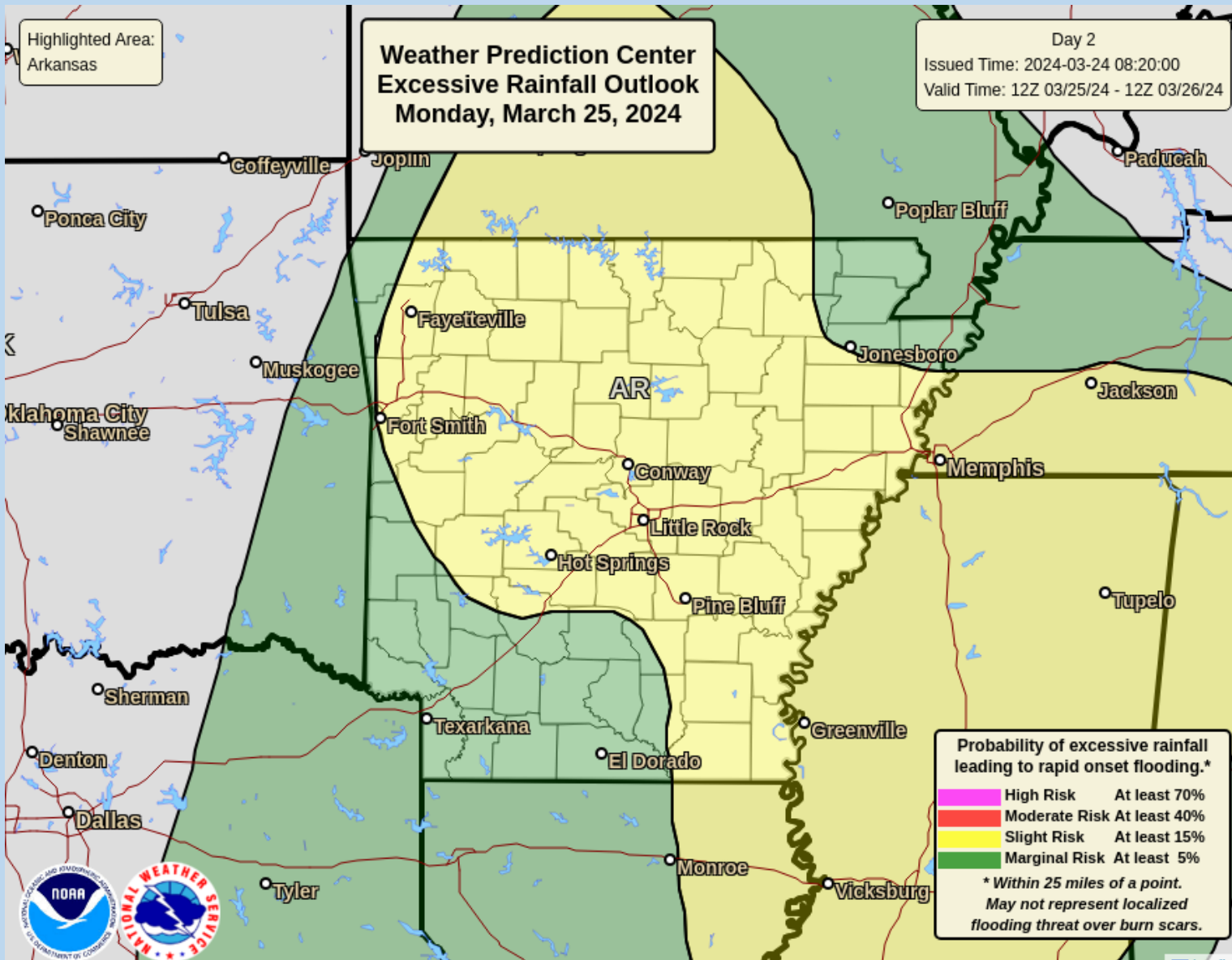


Widespread showers and thunderstorms are expected on Monday.

The forecast rainfall totals depict a large area across the state that could receive between two to three inches rainfall.

Isolated flash flooding will be possible, especially under efficient rainfall producing storms.

Excessive Rain Outlook



While the heaviest of the rain is expected to fall over the western half of the state, there is a slight chance of excessive rainfall over a large portion of the state mainly due to antecedent conditions.



For the latest information



Web: <http://weather.gov/LZK>



Phone: (501) 834-0308



E-mail: sr-lzk.forecasters@noaa.gov



Facebook: NWSLittleRock



Twitter: @NWSLittleRock



YouTube: NWSLittleRock