



NOAA's National Weather Service

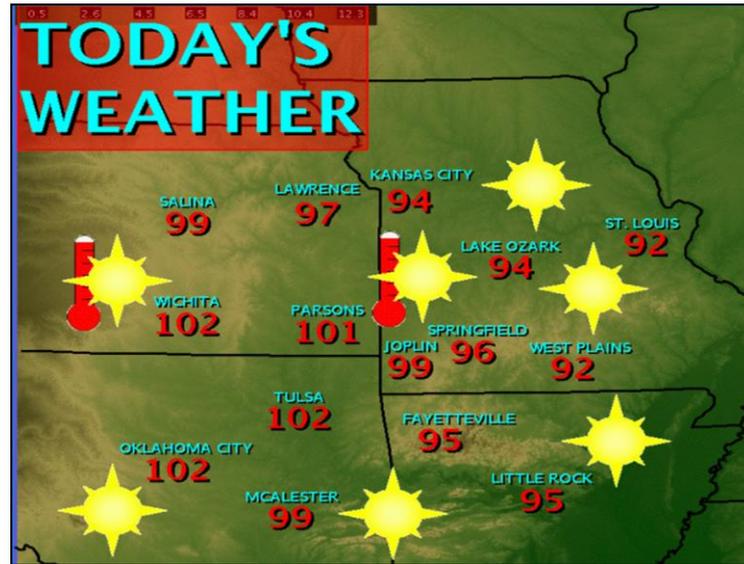
Prolonged Heat Wave

Submitted: 7 AM, Friday, July 15th

The following is a hazardous weather briefing from the National Weather Service in Springfield, MO, issued at 7 AM on Friday, July 15th. This briefing should not be used beyond 6 PM Saturday, July 16th, or if local weather conditions become unrepresentative.

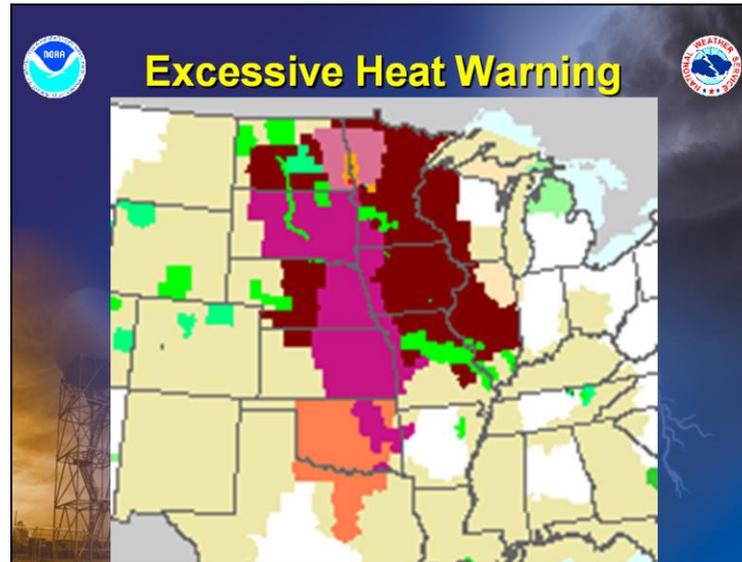
National Weather Service - Springfield, Missouri

www.weather.gov/springfield



A dangerous and prolonged heat wave will impact extreme southeast Kansas and the Missouri Ozarks over the next several days. Good morning everyone...Doug Cramer here with the National Weather Service.

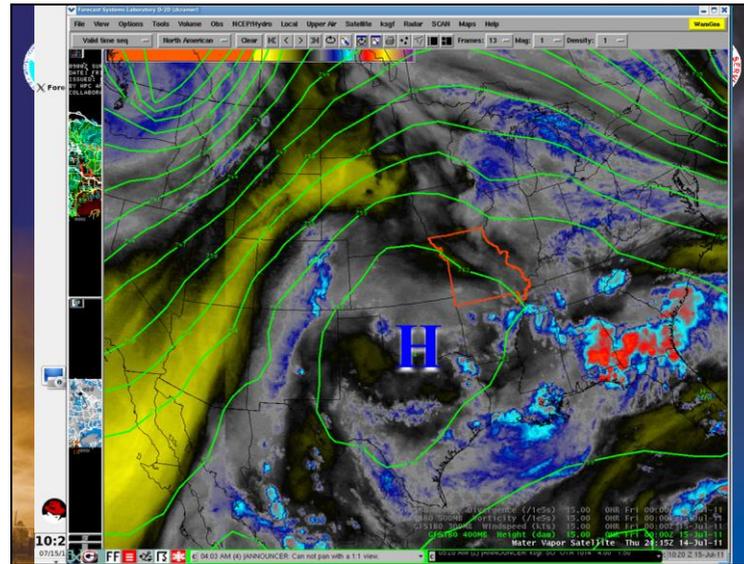
Starting today...heat indices will range from the upper 90s in the eastern Ozarks...to around 105 degrees over the Osage Plains and Osage River Valley Regions of southeast Kansas and western Missouri. In response to this excessive heat...



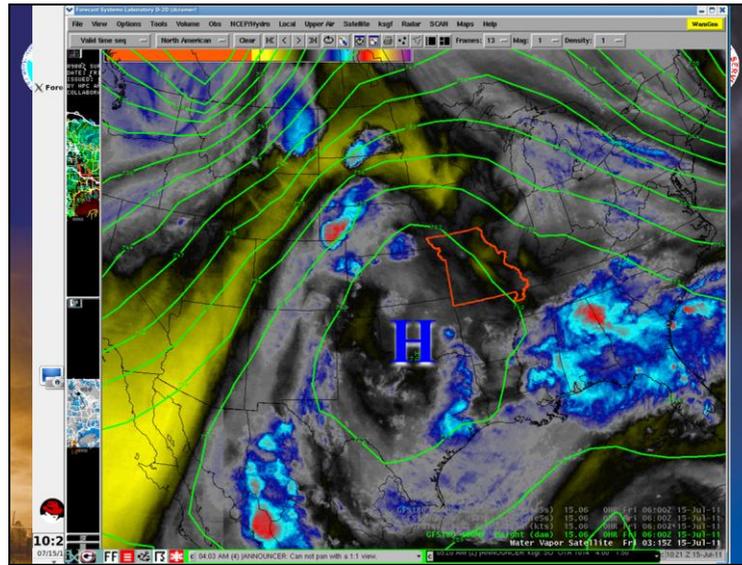
The National Weather Service has issued an Excessive Heat Warning for locations along and west of a line from Joplin Missouri to Versailles...or essentially the counties shaded in purple.

Eventually...either an advisory or a warning will be needed for the rest of the Ozarks Region as temperatures will continue to warm over the next few days.

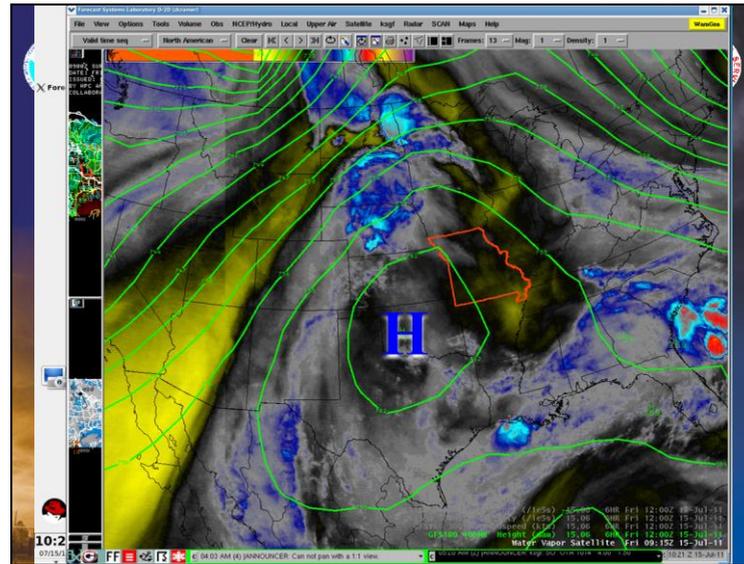
This heat wave will occur in response to the expansion of a summertime high pressure cell.



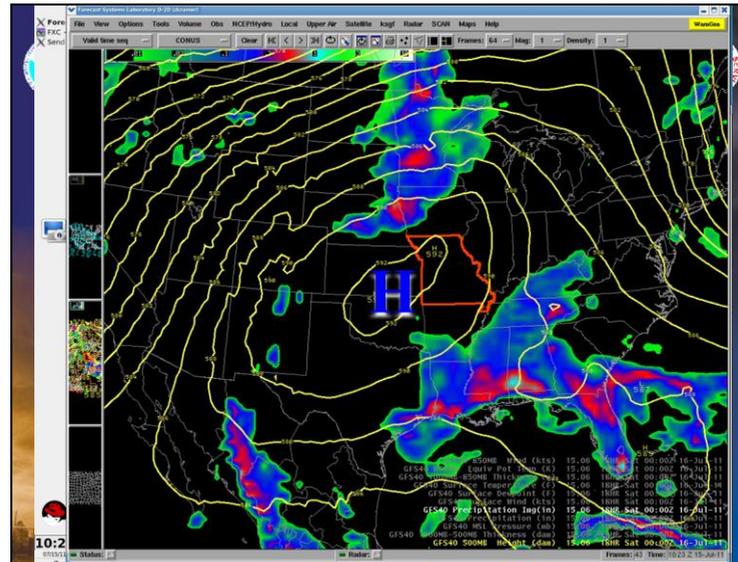
This summertime high can be viewed on this water vapor image. Notice as we animate the image...



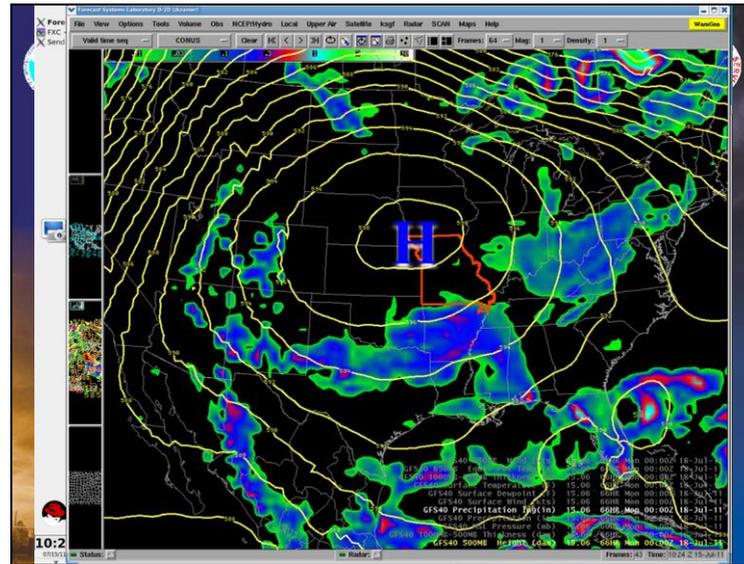
You can see a clockwise rotation in the atmosphere over Oklahoma, Kansas, and Texas...



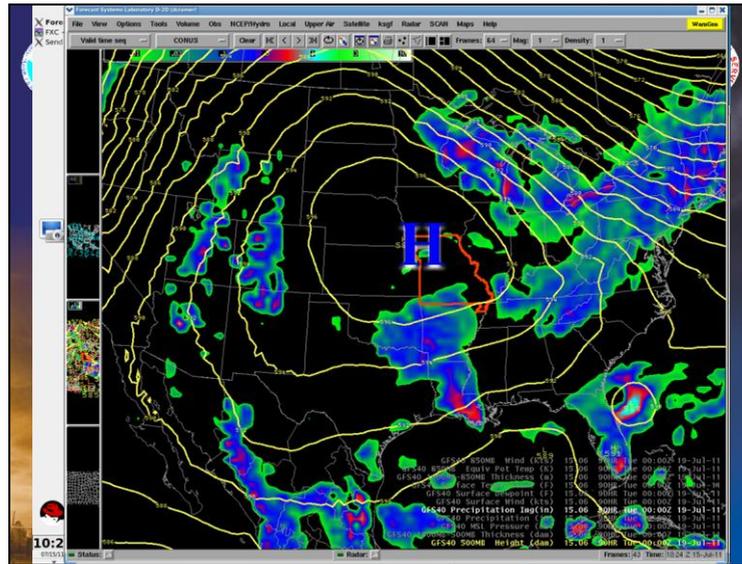
This clockwise rotation represents the the summertime high pressure system that is forecasted to become anchored over the nations mid section for the next several days. Location underneath or near this high pressure cell will experience very hot temperatures mixed with high humidity.



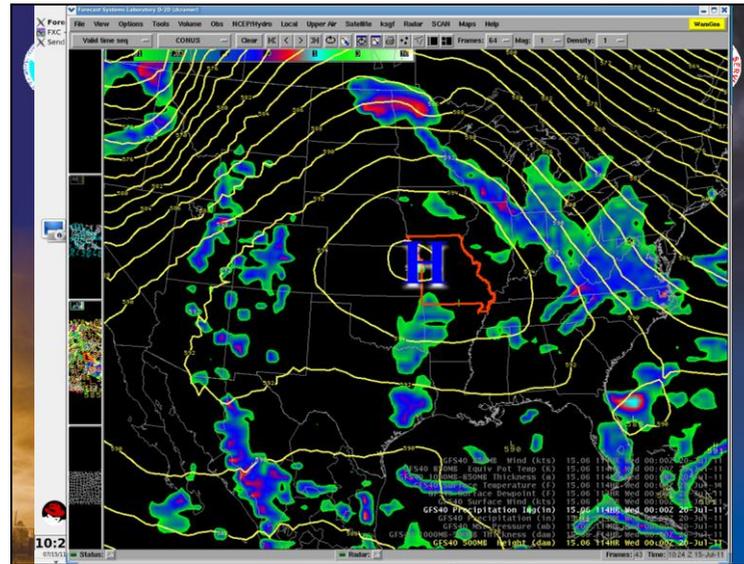
We will show you some forecast graphics...so you can see why how this high pressure system evolves with time...and why we feel that this heat wave will be prolonged. The yellow contours show the pressure structure of the summertime high...and where it will be located with time. The green, blue, and red images is the model attempting to forecast where precipitation will occur. Notice that by this afternoon...the summertime high will of already expanded into Kansas and Missouri.



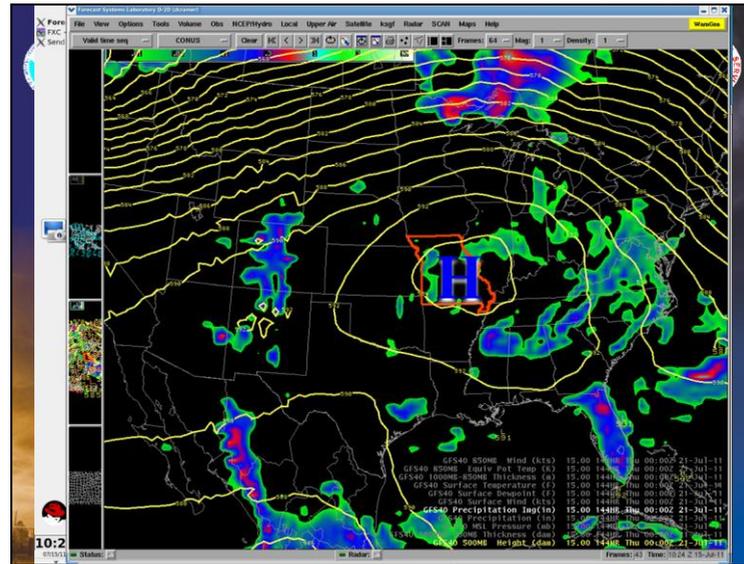
And Sunday afternoon.



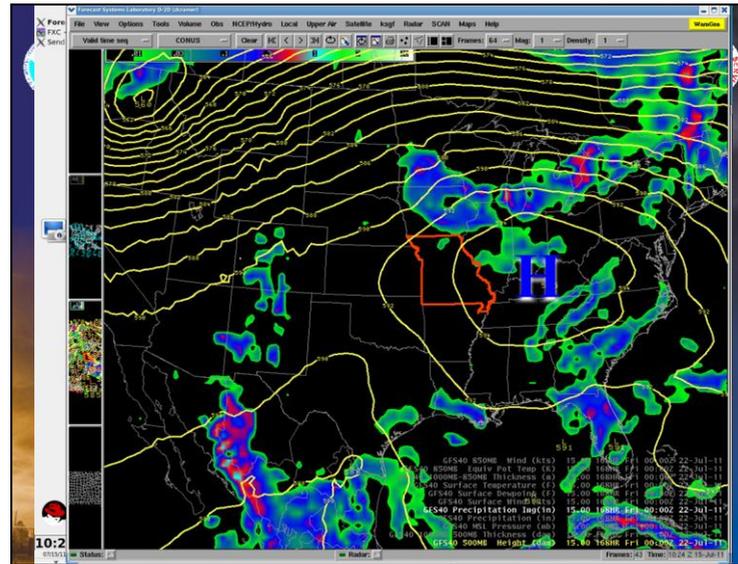
Notice by Monday afternoon...the Summertime high remains parked directly over the state of Missouri.



And not much changes on Tuesday afternoon.



Here is Wednesday afternoon...



And finally...Thursday afternoon the forecast model suggests that the summertime high may attempt to shift east of the region...however...we speculate that the model is moving the high out of the Ozarks region too early...which would prolong the heat wave into late next week.



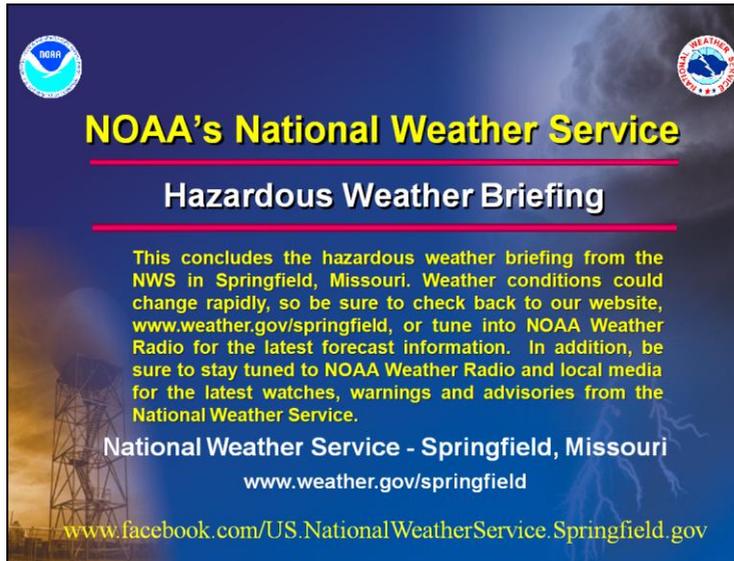
Tips for Beating the Heat



- Drink plenty of fluids
- Avoid alcohol and caffeine...Water is best
- Use sunscreen to mitigate sunburn
- Take breaks in the shade or in AC shelters
- Never leave an infant, child, or dog in a car during the hot afternoon hours.

The slide features a dark blue background with a faint image of a power line tower and lightning bolts. The text is in a light blue, sans-serif font.

Here are some simple steps to avoid heat related illnesses...



The slide features a dark blue background with a lightning bolt and a weather tower. It includes two NOAA logos in the top corners. The main title is "NOAA's National Weather Service" in yellow, followed by "Hazardous Weather Briefing" in white. The body text is yellow and provides information about checking the website and NOAA Weather Radio. At the bottom, it lists the website and Facebook page in yellow.

NOAA's National Weather Service

Hazardous Weather Briefing

This concludes the hazardous weather briefing from the NWS in Springfield, Missouri. Weather conditions could change rapidly, so be sure to check back to our website, www.weather.gov/springfield, or tune into NOAA Weather Radio for the latest forecast information. In addition, be sure to stay tuned to NOAA Weather Radio and local media for the latest watches, warnings and advisories from the National Weather Service.

National Weather Service - Springfield, Missouri
www.weather.gov/springfield
www.facebook.com/US.NationalWeatherService.Springfield.gov

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