

May 1, 2017

NASA Sees Severe Weather from Central to Eastern US



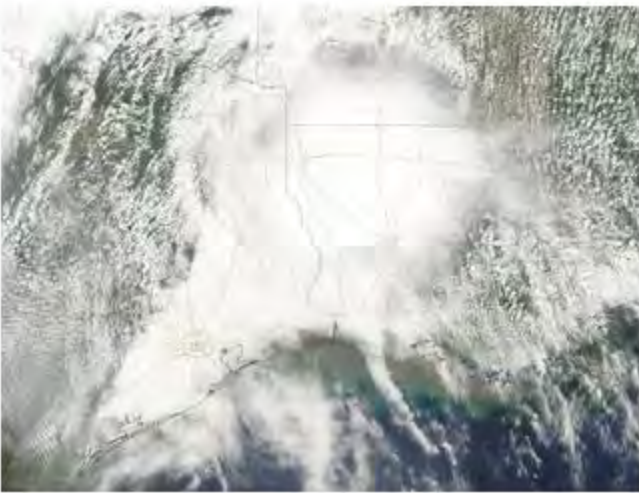
A vigorous weather system has generated severe weather over the mid-section of the U.S. and satellites are providing a look at it as it is moving toward the East Coast.

NASA and NOAA satellites have been tracking a storm system that has generated flooding and tornadic thunderstorms in the central U.S. and is expected bring severe weather to the U.S. Mid-Atlantic region. At NASA's Goddard Space Flight Center in Greenbelt, Maryland, data from NOAA's GOES-East satellite were used to create images and an animation of the movement of the powerful storm.



Animation of infrared and visible imagery from NOAA's GOES-East satellite from Apr. 29 to May 1, 2017, shows a storm system that generated severe weather in the central and southern U.S. and is moving toward the Mid-Atlantic coast.
Credits: NASA/NOAA GOES Project

On April 30, the Moderate Resolution Imaging Spectroradiometer, or MODIS, instrument aboard NASA's Aqua satellite captured a visible image of the storms moving over eastern Texas and Louisiana. Tornadoes in eastern Texas killed four people. The system generated heavy rainfall and caused additional fatalities and damages in Arkansas, Missouri, Mississippi, Alabama and Tennessee.



On April 30, 2017, at 2:30 p.m. EDT (1:30 p.m. CDT) NASA's Aqua satellite captured this visible image of the strong storms moving over eastern Texas and Louisiana.
Credits: NASA

On Monday, May 1, NOAA's National Weather Service noted, "Major to record flooding continues over portions of the central U.S. Severe thunderstorms are possible from the Mid-Atlantic to the northeastern U.S.

"Major to record flooding will continue over portions of eastern Oklahoma, northern Arkansas, Missouri, Illinois and Indiana. Rivers will gradually recede over the next several days. Additional strong to severe thunderstorms will be possible Monday afternoon and evening over portions of the Mid-Atlantic and Northeast U.S. Damaging winds, large hail, and isolated tornadoes will be possible."

On May 1 at 10:37 a.m. EDT (1437 UTC) NOAA's GOES-East satellite captured a visible image of the storm system centered over Iowa that showed its associated cold front that stretched into the Gulf of Mexico. That system is expected to bring some severe weather and heavy rainfall from New York state all the way to Florida on May 1.



On May 1, 2017, at 10:37 a.m. EDT (1437 UTC) NOAA's GOES-East satellite captured this visible image of the storm system centered over Iowa with an associated cold front that stretches into the Gulf of Mexico.
Credits: NASA/NOAA GOES Project

For updated forecasts, visit the National Weather Service website: www.weather.gov.

By [Rob Gutro](#)
[NASA's Goddard Space Flight Center, Greenbelt, Md.](#)

Last Updated: May 1, 2017
Editor: Rob Garner