Forecasting Tornadoes

Strategy:

- Forecast large-scale conditions 1-3 days in advance
 - Issue tornado watches 12-24 hours in advance

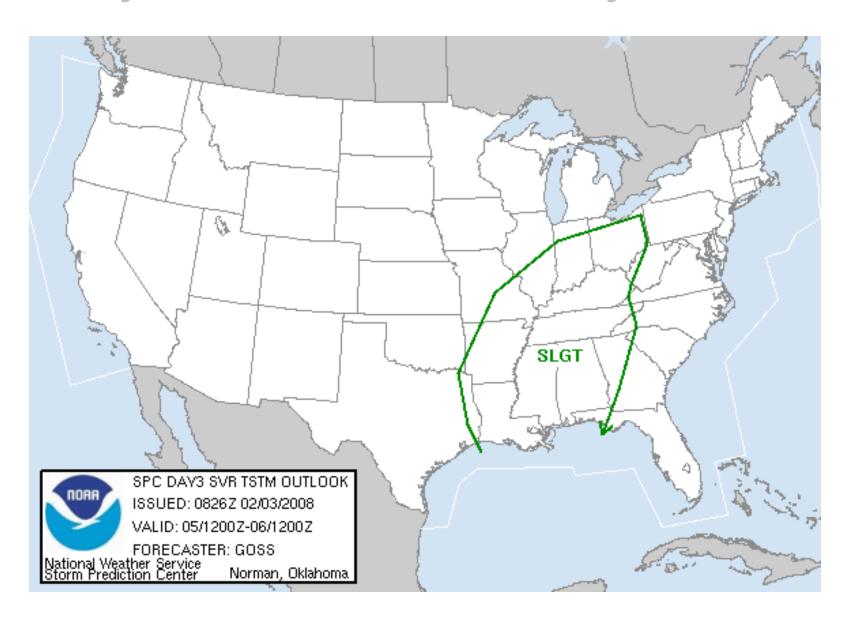
- Spot developing storms, tornadoes
 - Issue tornado warnings 1-20 minutes in advance

Forecasting Large-Scale Conditions

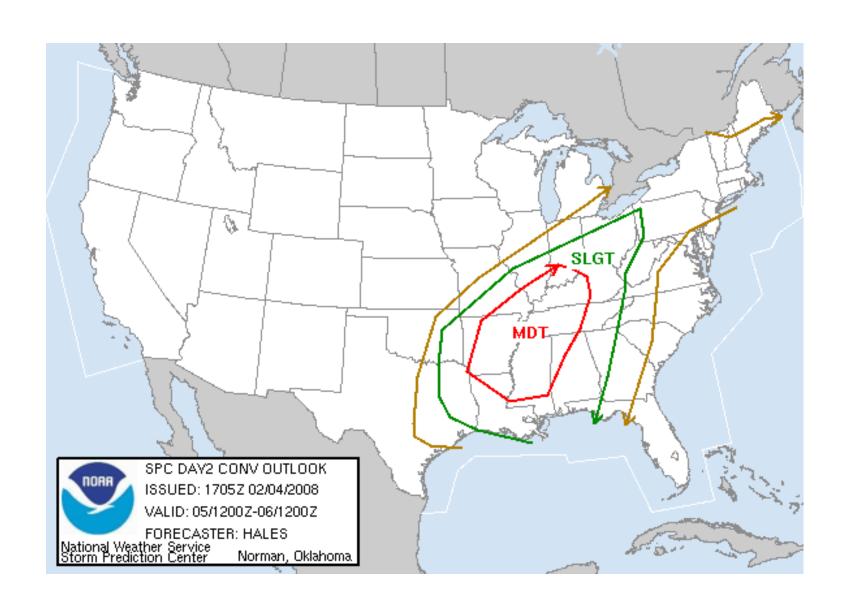
This image has been removed due to copyright restrictions. Please see the image on: http://www.jondavies.net/tornado_fcsting/sprcltor_composite2.gif This image has been removed due to copyright restrictions.

Please see the image on:
http://www.jondavies.net/tornado_fcsting/sprcltor_composite1.gif

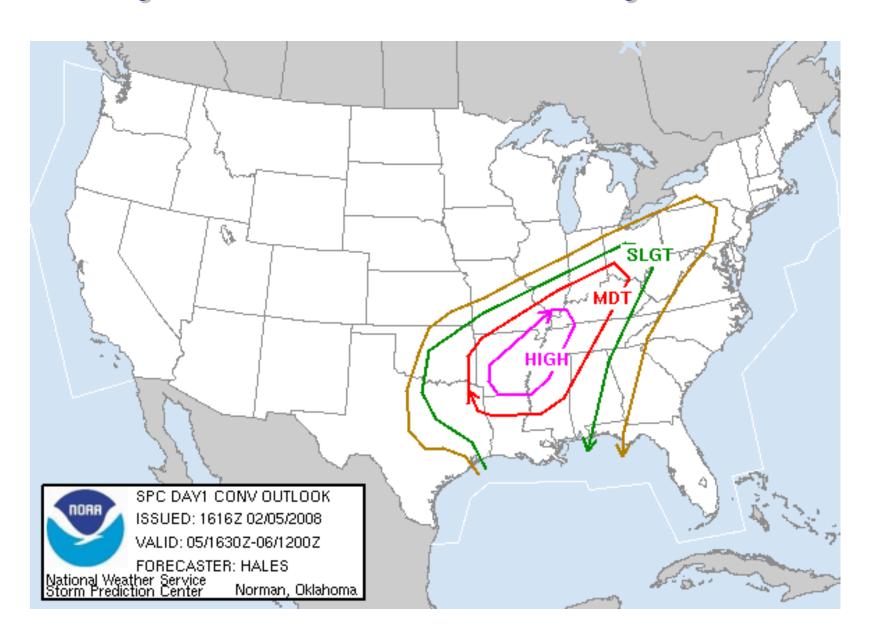
3-Day Outlook, February 3rd 2008



2-Day Outlook, February 4th 2008



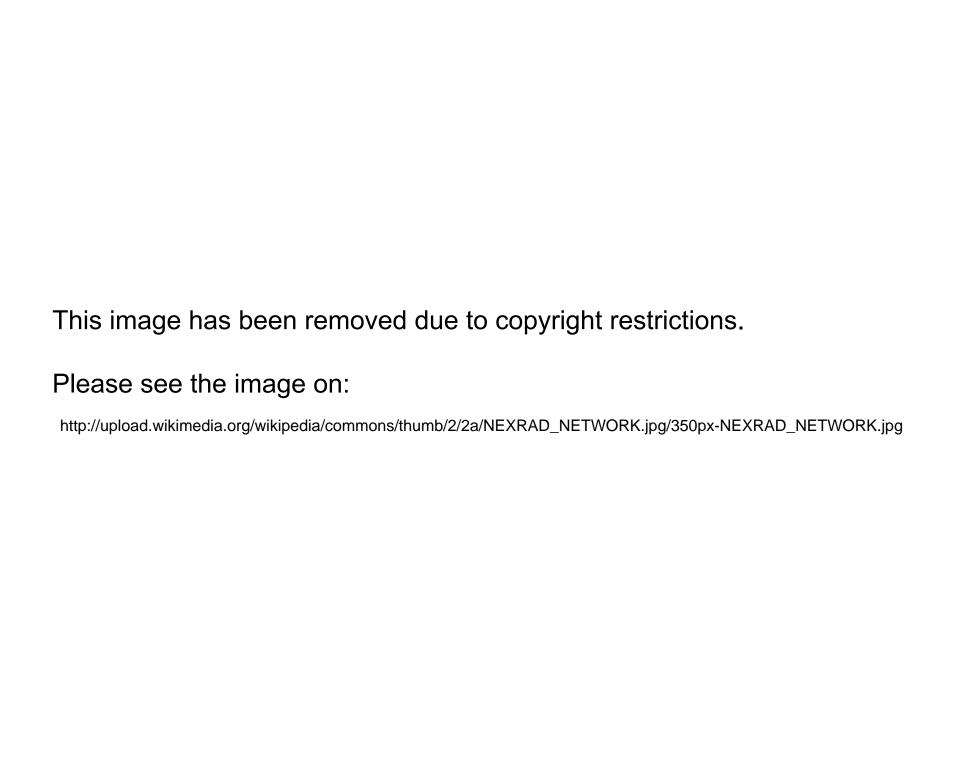
1-Day Outlook, February 5th 2008



Real-time Spotting

From Satellite

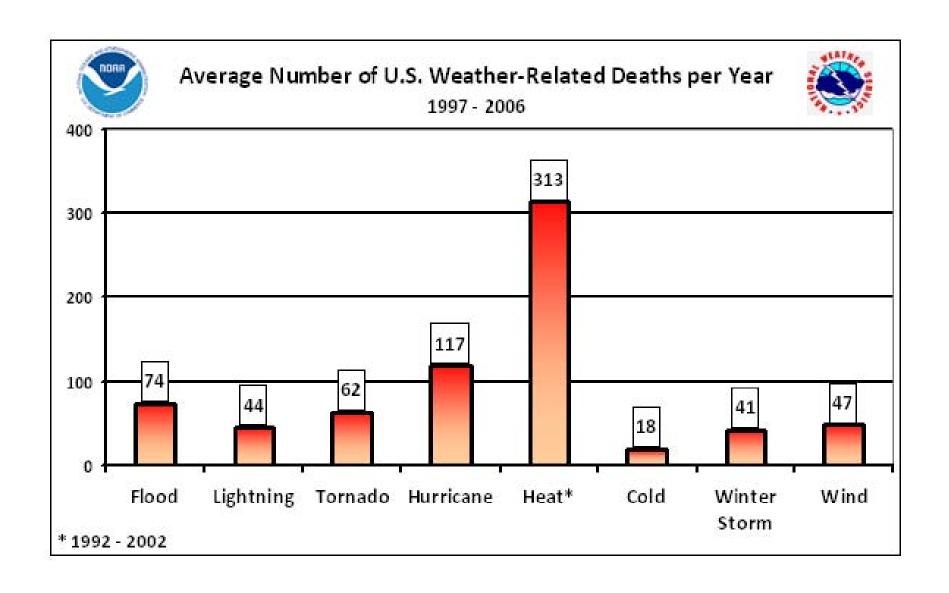
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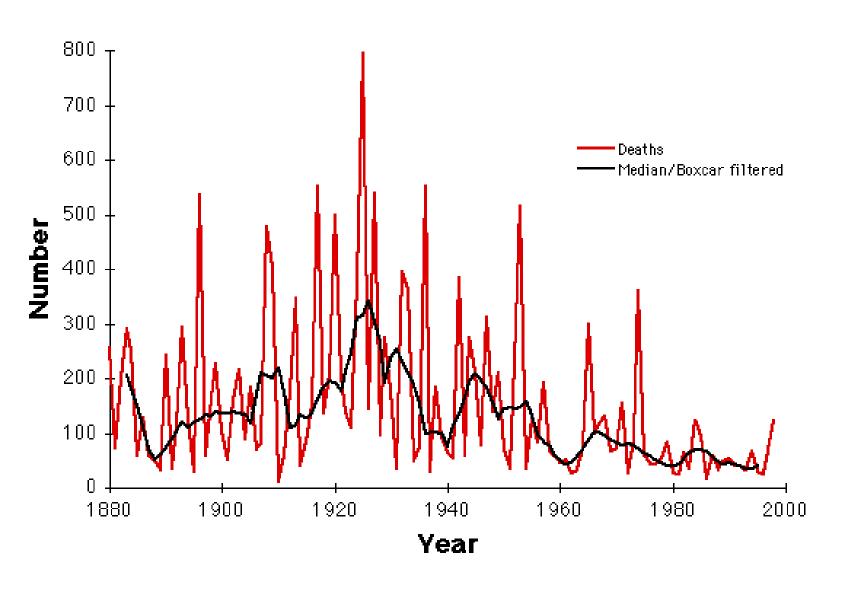
Please see the similar image on:

http://www.wunderground.com/hurricane/2009/UShazards.png



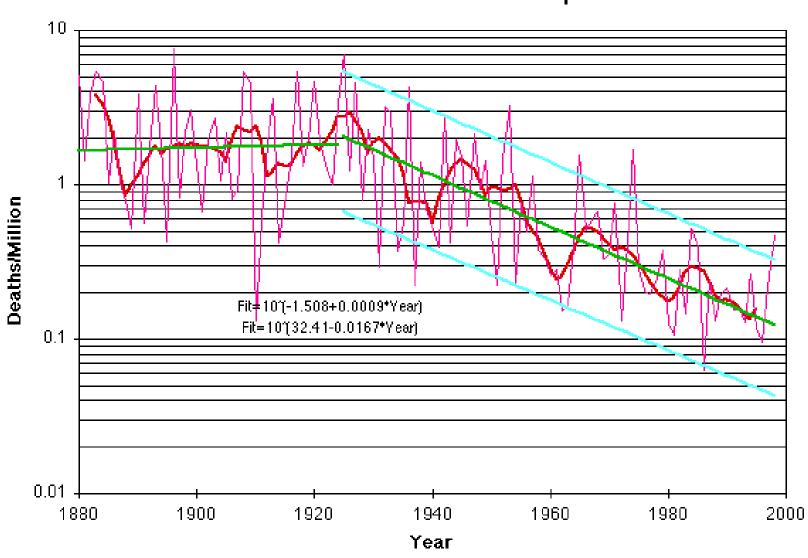
Raw Annual U.S. Tornado Fatalities

U.S. Tornado Fatalities



Annual U.S. Tornado Fatalities per Unit Population





Saving Lives

- Communicating warnings
 - Tornado sirens
 - TV, radio, and weather radio
 - Reverse 911
- Safe havens
 - Building codes
 - Tornado shelters
 - Schools, hospitals and other large public spaces
 - Mobile homes
 - Safe rooms

- Public education
 - Schools
 - Web information
 - Documentaries
- Communicating Risk
 - Insurance regulation
 - Disaster declarations

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