

# SEVERE WEATHER CLIMATOLOGY ACROSS THE NORTHEAST REGIONAL CLIMATE AREA

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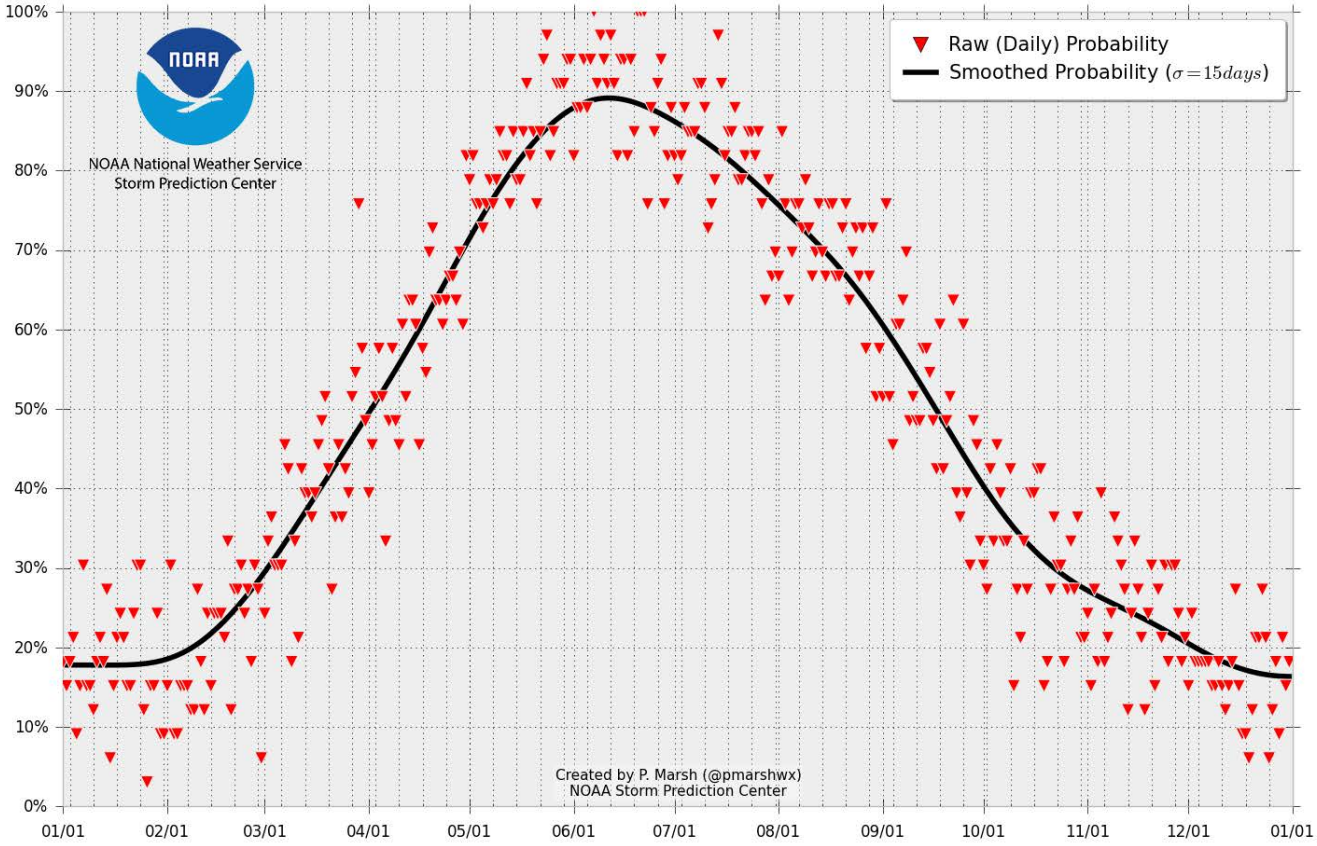




# WHAT IS 'TORNADO SEASON'?



### Daily Probability of 1+ Tornadoes in the United States Derived From 1980-2012



NOAA National Weather Service  
Storm Prediction Center

▼ Raw (Daily) Probability  
— Smoothed Probability ( $\sigma = 15$ days)

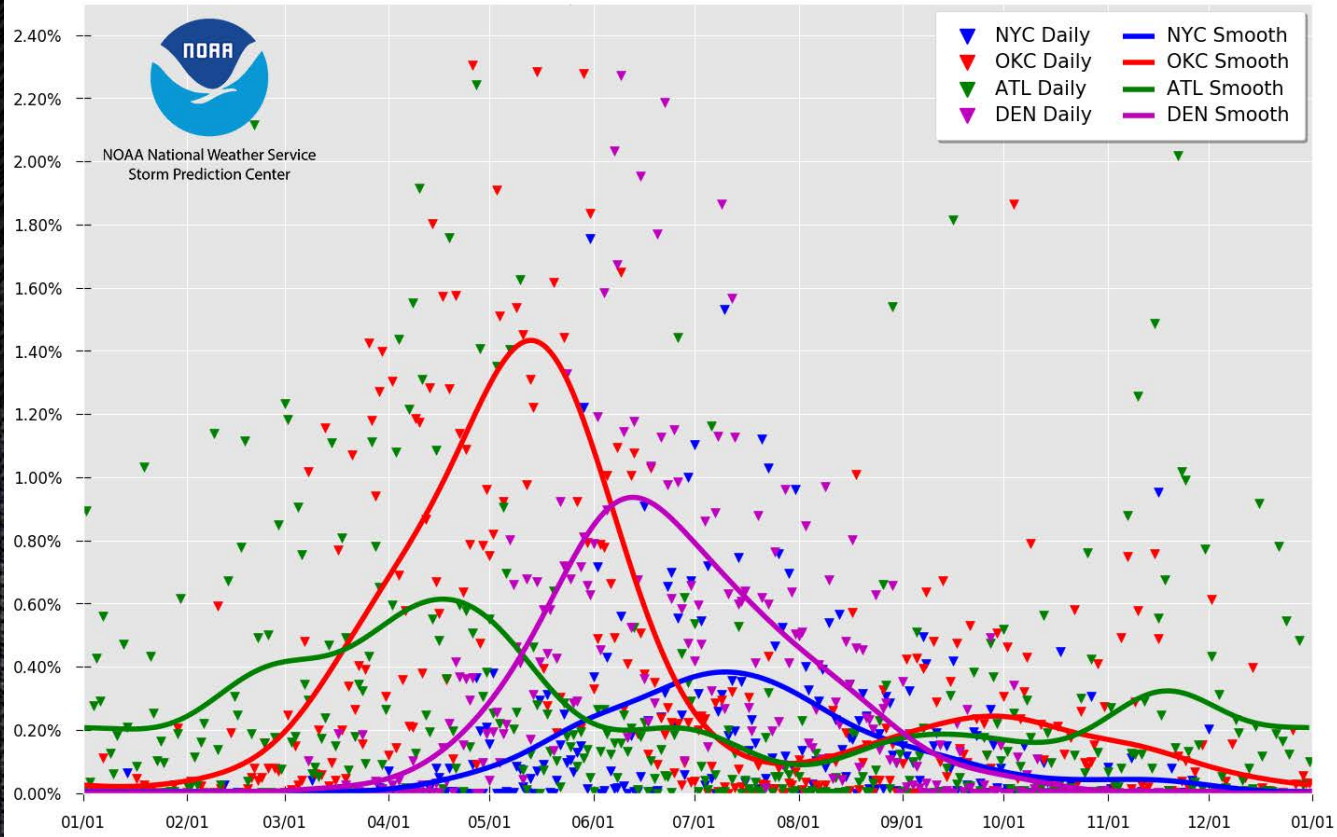
Created by P. Marsh (@pmarshwx)  
NOAA Storm Prediction Center



OR IS IT?



### Daily Probability of 1+ Tornadoes Derived From 1986-2015





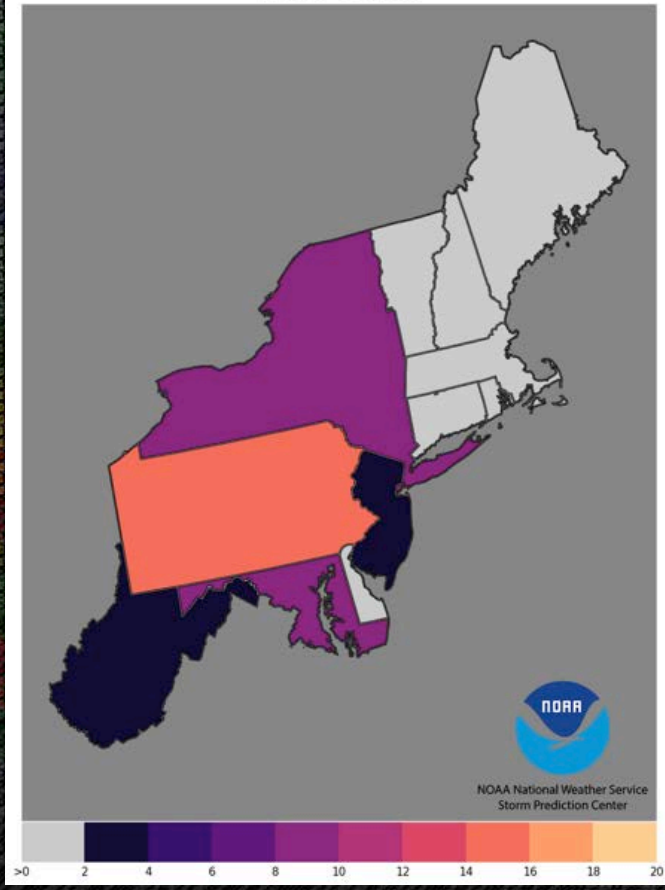




# AGGREGATE NORTHEAST SEVERE WEATHER OVER THE LAST 30 YEARS

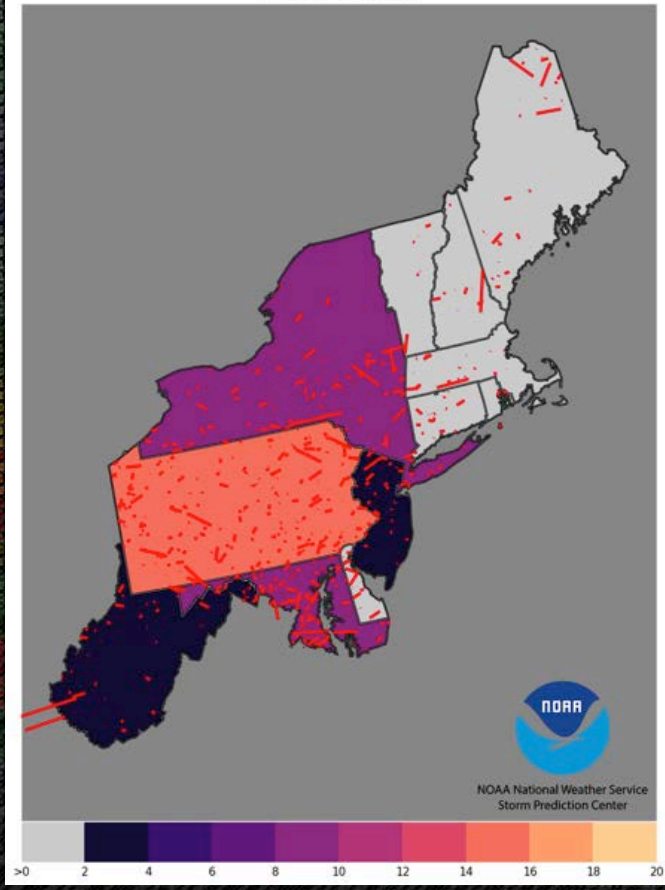


### Mean Tornado Report Counts per Year 1987-2016



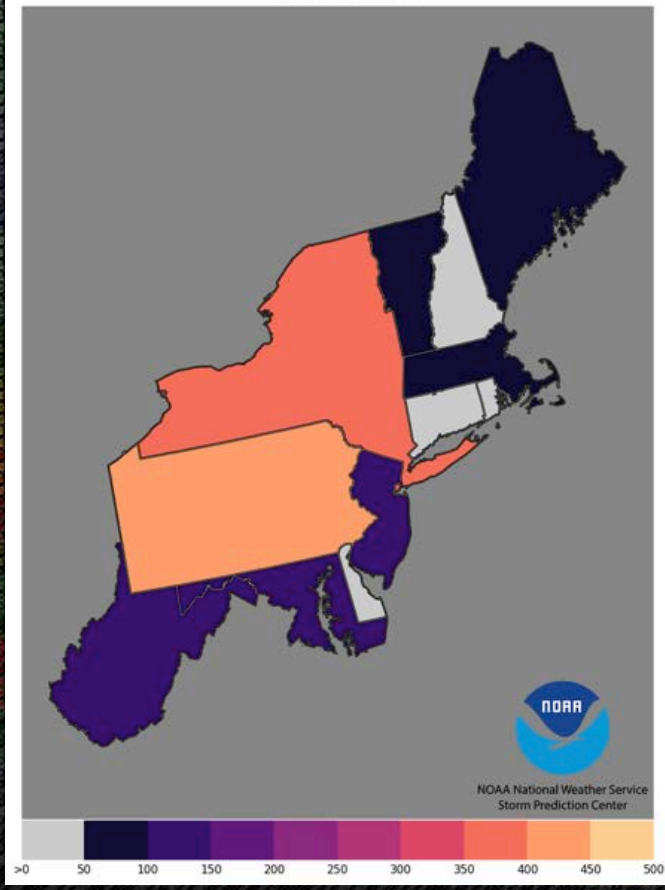


### Mean Tornado Report Counts per Year 1987-2016



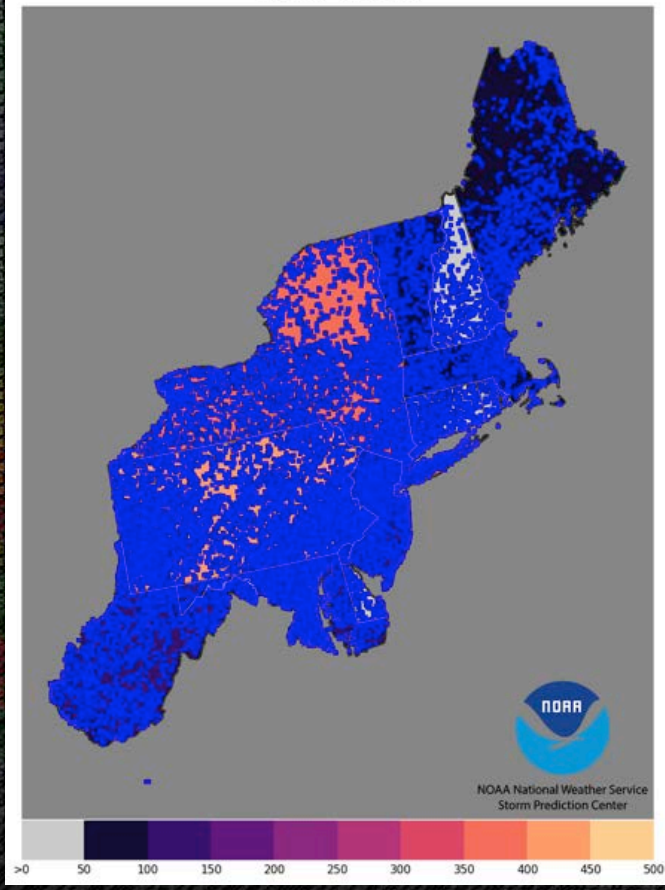


# Mean Wind Report Counts per Year 1987-2016



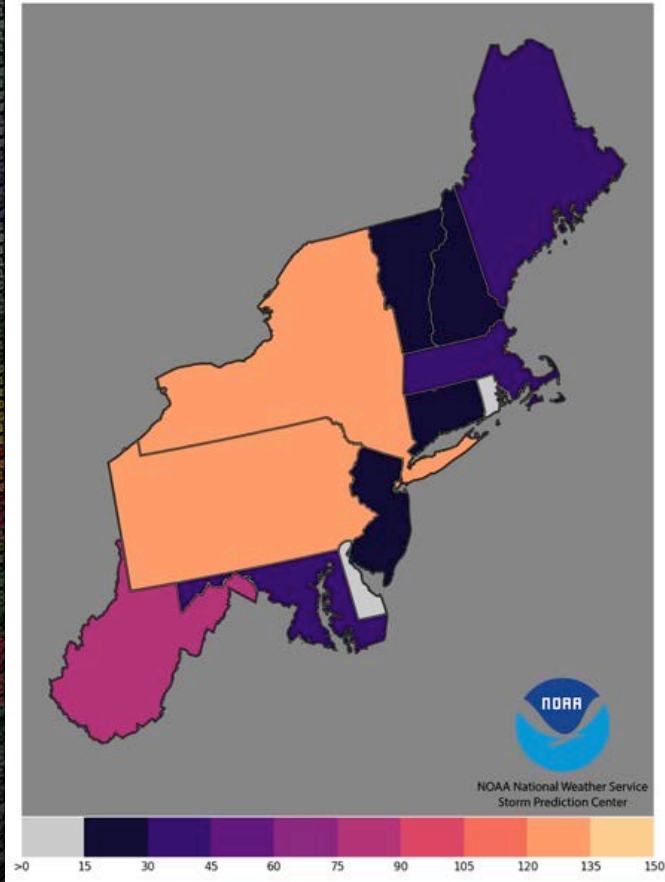


# Mean Wind Report Counts per Year 1987-2016



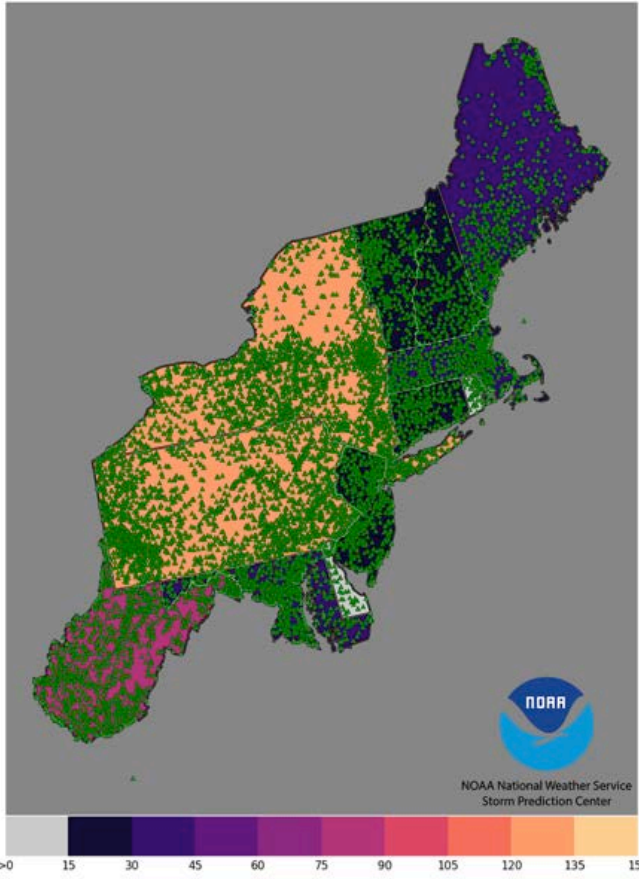


# Mean Hail Report Counts per Year 1987-2016





# Mean Hail Report Counts per Year 1987-2016



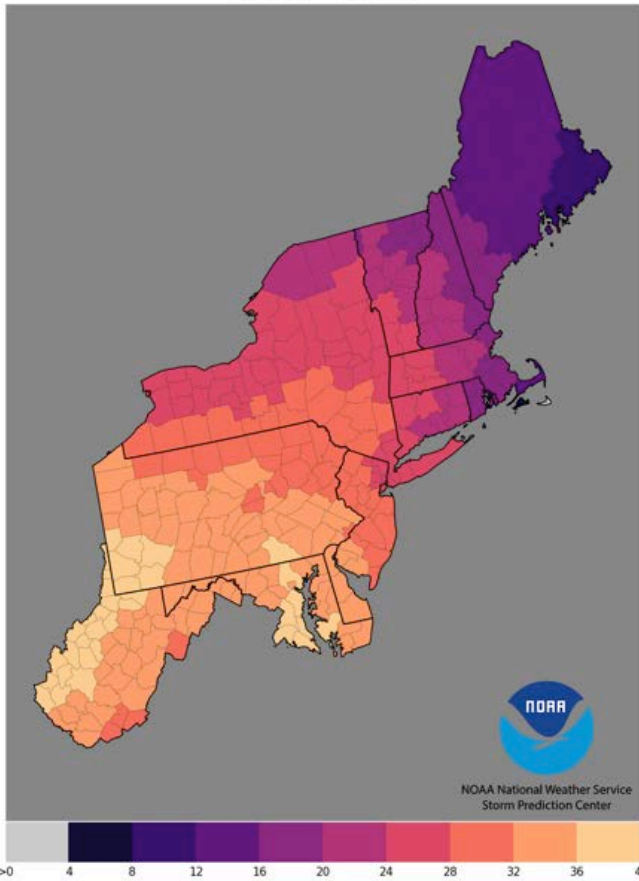




**HOW DOES THIS TRANSLATE INTO STORM  
PREDICTION CENTER PRODUCTS?**



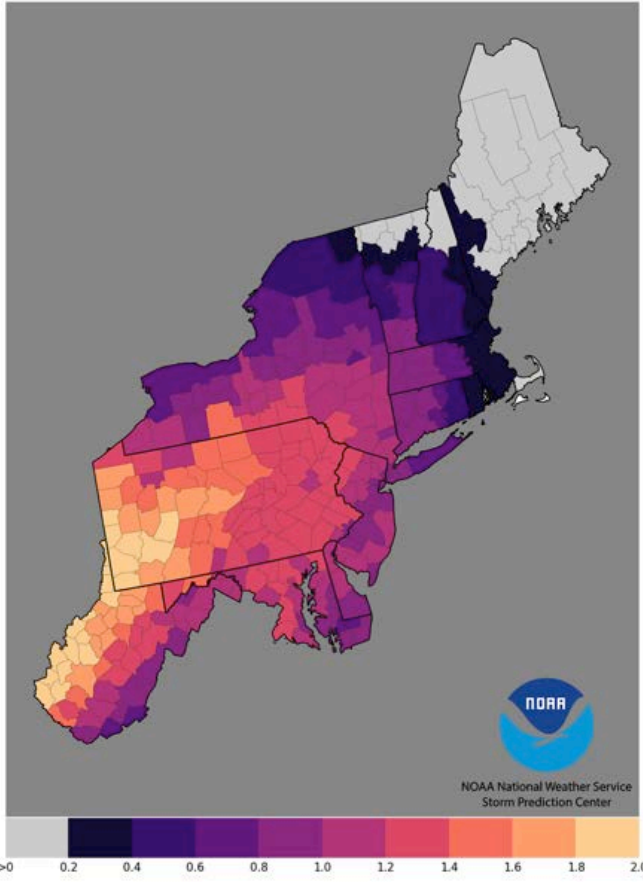
# Slight Risk Days per Year 2000 - 2015



NOAA National Weather Service  
Storm Prediction Center



# Moderate Risk Days per Year 2000 - 2015



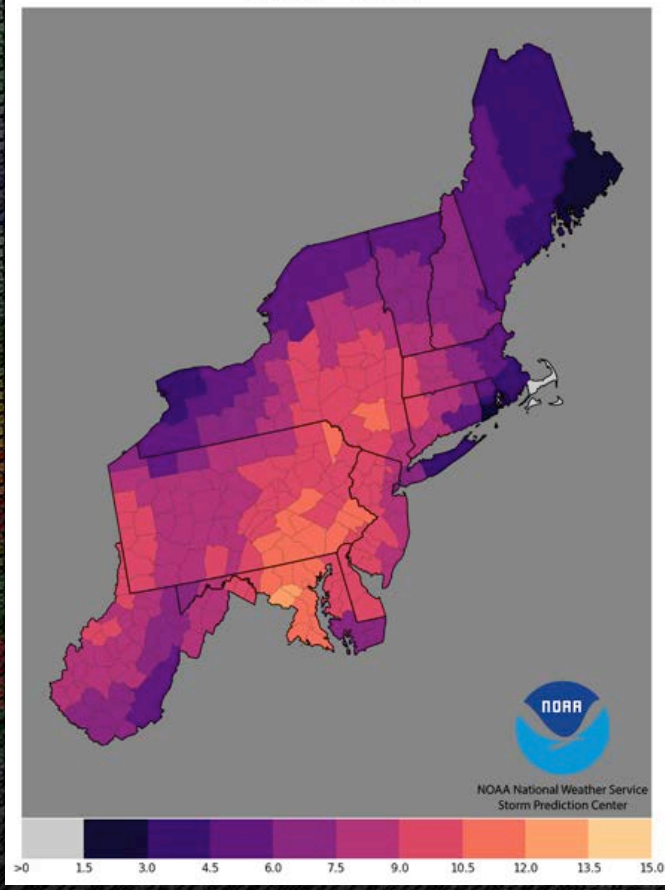


# High Risk Days per Year 2000 - 2015



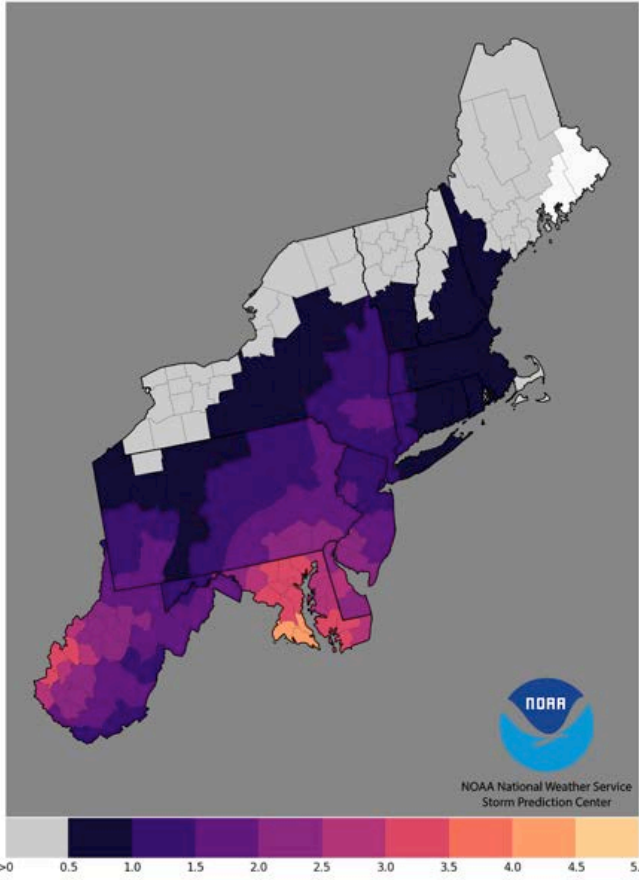


# Severe Thunderstorm Watches per Year 2006 - 2015





## Tornado Watches per Year 2006 - 2015







**THE END!**

**PLEASE DO NOT HESITATE TO  
EMAIL OR TWEET ME WITH  
ANY QUESTIONS ...**



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