





Severe Weather Climatology and Long-Term Forecasting

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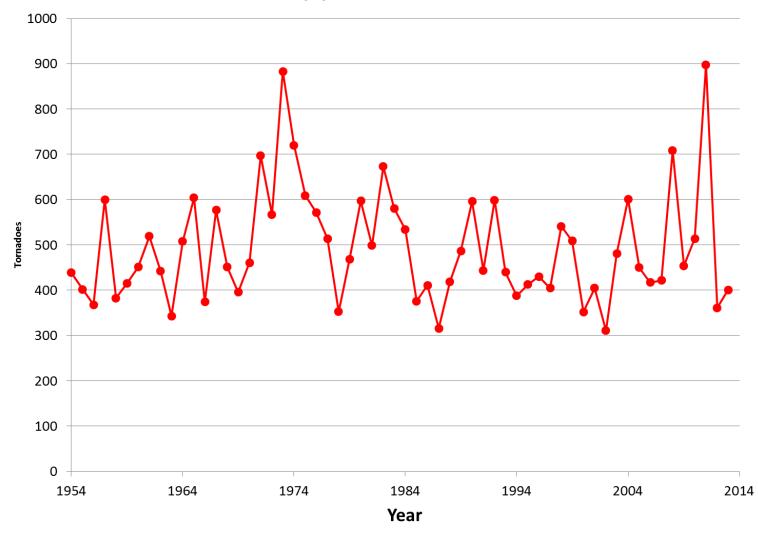
NSSL's Interest

- Understanding how severe storms fit into climate
- Helping SPC put things in context
- Extending forecast horizon

- Reports to look at past tornado changes
- Using environmental conditions to forecast longer

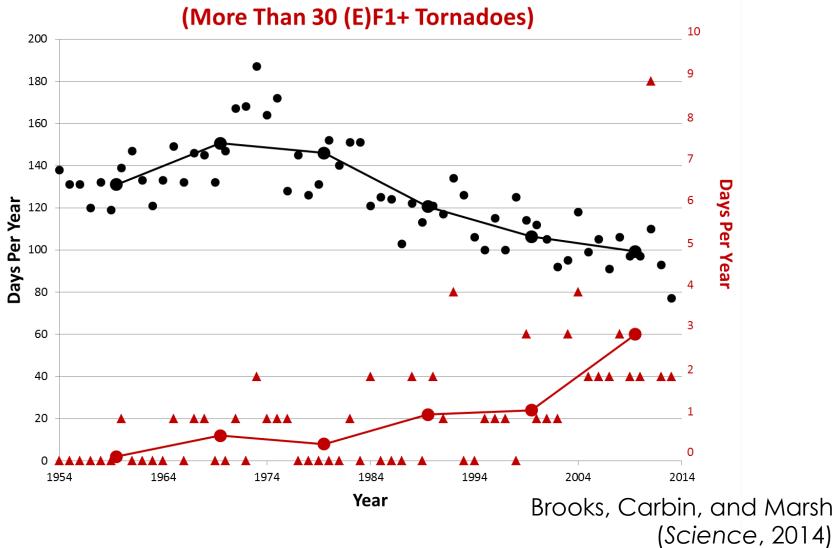


Annual (E)F1+ Tornadoes in US

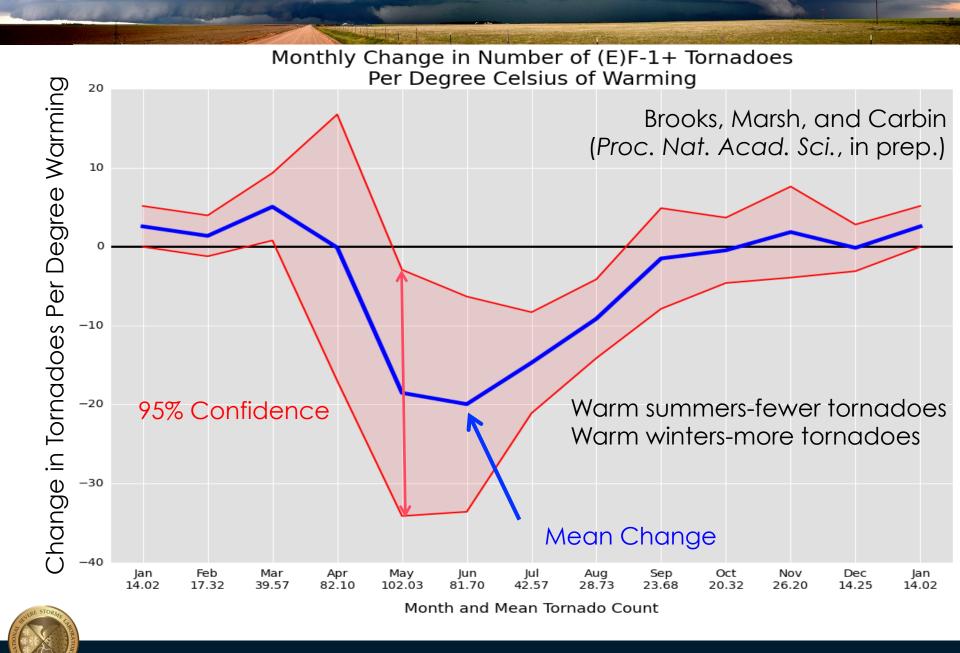


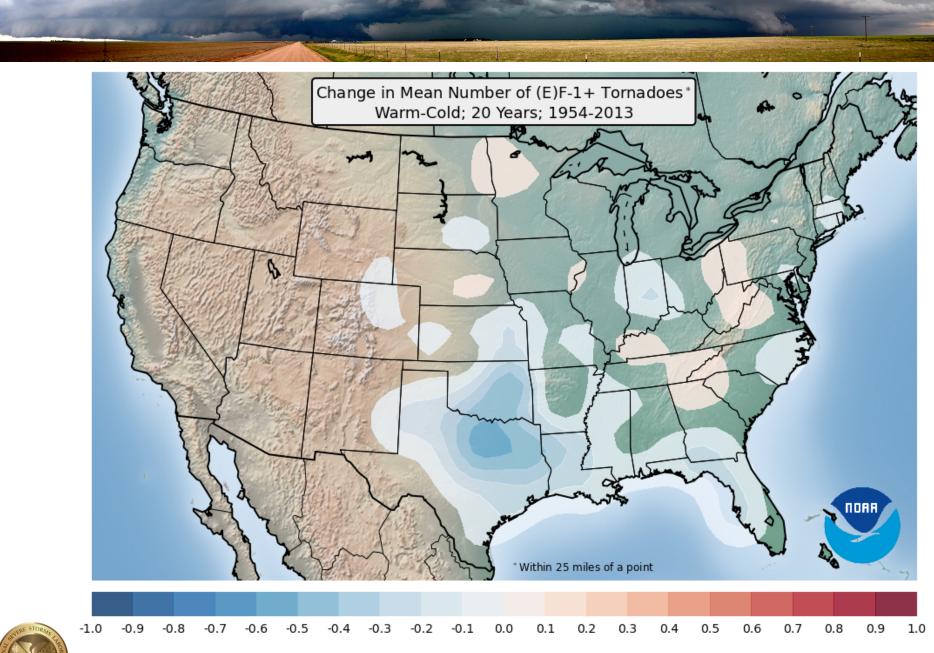


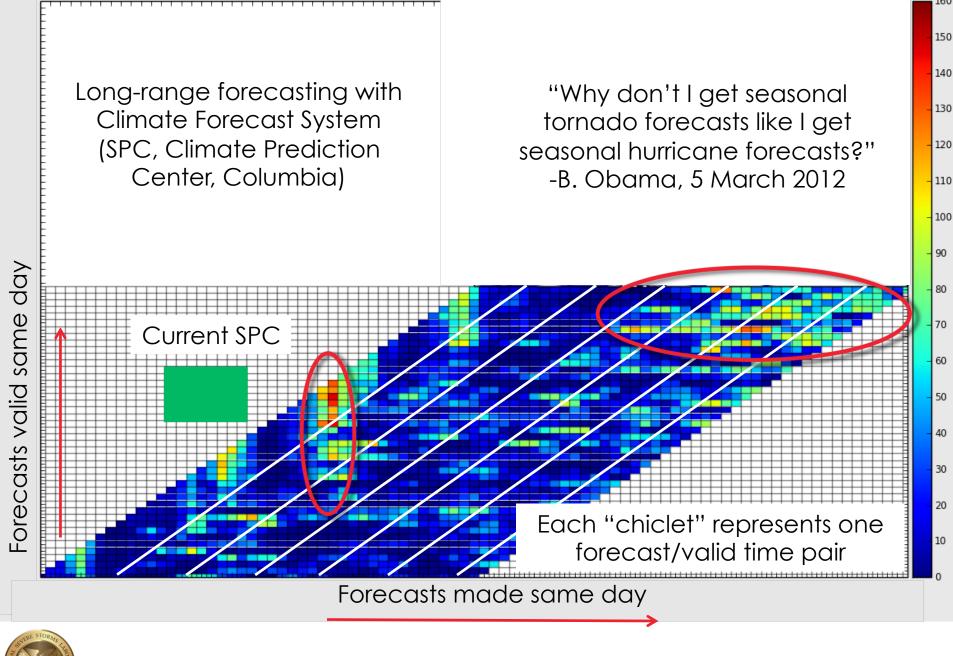














Summary and Next

- Variability of tornado occurrence has increased
- Warm winter (summer)-more (fewer) tornadoes

- Have environments changed like tornadoes?
- Continue tool, evaluation work for extended range

