

Literature & Whitepapers

- [Understanding Hail in the Earth System](#)
- [Practically Perfect Hindcasts of Severe Convective Storms](#)
- [Climate and Hazardous Convective Weather](#)
- [The Characteristics of United States Hail Reports: 1955-2014](#)
- [Increasing major hail losses in the U.S.](#)
- [Evaluating Hail Damage Using Property Insurance Claims Data](#)
- [Gallagher Re Event Commentary Mid-March US Tornado Outbreak](#)
- [SEVERE CONVECTIVE STORMS: Evolving risks call for innovation to reduce costs, drive resilience](#)
- [Convective Storms: State of the Risk](#)

Note: - The literature attached is hail-heavy, since they represent the bulk of the losses, but we will send literature pertinent to tornadoes & straight-line winds as the project progresses.

Datasets

- [NWS Storm Report Dataset](#) - The most comprehensive source of information available on the location (lat-lon), severity and timing of events.
- [MPING & CoCoRaHS](#) - Crowd Sourced SCS Event Dataset
- [NOAA NexRAD Data](#) – Radar dataset used to “confirm” the presence of hail in near-real time conditions
- [FEMA Hail Risk Index](#) – A more cosmetic dataset yet provides a good bird’s eye view of the problem
- [Atmospheric Radiosonde Data](#) - Radiosonde Data which serves as instrumental measurements of the vertical profile of the atmosphere