

Abstract: During the past century, the world's temperature increased and is projected to increase more during the next century. It seems reasonable to ask the question of what impact global temperatures have had and will have on the nature of severe thunderstorms. Given the small scale of severe thunderstorms, the connection between global temperatures and storms is not direct. In this presentation, I will address issues with using reports of severe thunderstorms directly, along with some recent work on hail observations.

It is also possible to consider environmental conditions in which severe thunderstorms occur and look at how they have and will change. The challenges of such an approach will be discussed, as well as the limits on what can be said. Possible avenues for future research will be laid out.