Special Issue

Tropical Cyclones and Their Impacts

Message from the Guest Editor

On an annual basis, tropical cyclones affect thousands of people. Efforts of physical scientists are needed to help improve our ability to predict the location, intensity, and extent of these systems and their impacts, while the work of social scientists is vital to better communicate warning messages, assess risk and evaluate strategies for recovery after the event. We seek research studies that examine tropical cyclones in all ocean basins from formation to dissipation, including interactions with the surrounding atmosphere and underlying ocean and/or land surface. Both observational and modeling approaches are welcomed. Manuscripts may also focus on the impacts of these systems such as rainfall and associated flooding, storm surge and coastal erosion, and/or wind-related damage including tornadoes. We invite manuscripts incorporating data from paleoclimatological investigations to future scenarios under changing climatic conditions. We also wish to include studies that examine the impacts of tropical cyclones on people and the environment. This may include risk communication and evacuation, vulnerability and recovery, and impacts to ecosystems, infrastructure, and health.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2018)

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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