



Monsoon and Typhoon Precipitation in Asia: Observation and Prediction

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Message from the Guest Editors

The weather in Asia is deeply influenced by monsoons and typhoons. Asian summer monsoons and typhoons transport warm and moist air from the ocean to the continent, increasing convective instability in this region and resulting in heavy precipitation events occur frequently. The forecast of monsoon and typhoon heavy rainfall is still very challenging. Determining how to better apply these multisource observation data in the forecast of Asia monsoon and typhoon heavy precipitation has become a hot and difficult problem to be solved urgently.

We invite the submission of original research articles and reviews on any aspect of Asia monsoon and typhoon precipitation using multisource observation data, including multiband radar, satellite, sounding, surface weather stations, and field campaigns. We encourage studies resulting from numerical weather forecast models and short- and long-term forecasting.

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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!

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