



Techniques for Improving the Exploitation of Satellite Data in Atmospheric Science

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Message from the Guest Editors

The aim of this Special Issue is to investigate the techniques for improving the uses of the satellite observations across the different portions of the electromagnetic spectrum (microwave, infrared, visible, etc.) onboard both operational and experimental environmental satellites, including but not limited to the satellites from international agencies, e.g., NOAA, NASA, EUMETSAT, ESA, CMA, JMA, et al., and commercial satellite data.

In particular, but not exclusively, we encourage manuscripts that address the uses of satellite data to observe the atmospheric state and composition, severe weather events, weather and climate studies, and numerical weather forecasts.





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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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