

Special Issue

Satellite Observations of Ocean–Atmosphere Interaction

Message from the Guest Editor

Advances in satellite monitoring potential and capabilities have resulted in a great magnitude of scientific datasets, which are useful to many stakeholders. However, the interpretation of the signals detected on a satellite is much more difficult as compared to ground measurements, while aerosols and clouds are still among the major difficulties. The use of various satellites has generated multiple types of data, leading to the generation of aerosol products such as aerosol spatial distribution, temporal variation, fraction of fine and coarse modes, vertical distribution, light absorption, and some spectral characteristics. Other crucial parameters retrieved from satellite ocean observations that are crucial in climate parametrizations include: SST, surface wind stress, ocean color and global weather patterns. We welcome submissions related to: Comparisons of ground-truth and satellite aerosol measurements over the ocean; Descriptions of field work results and aerosol studies over the ocean; Models vs. observations; Descriptions of all crucial studies involving SST, surface wind stress, and ocean color.

Guest Editor

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Deadline for manuscript submissions

closed (23 April 2024)



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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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