



Advances in Retrieval and Validation of Atmospheric Components by Remote Sensing

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Deadline for manuscript
submissions:

28 February 2025

Message from the Guest Editors

Satellite remote sensing plays a crucial role in monitoring atmospheric components and cloud parameters by providing a matchless global perspective with consistency over long periods, leading to a boom in related research on air quality, trace gases, and greenhouse gas (GHG) measurements. The ground-based observation networks, which provide important in situ and high-resolution calibration data, contributed significantly to validating satellite data products.

This Special Issue is aimed at studies covering different platforms that provide calibration or validation of satellite products. Topics may cover anything from the method of validation between different platform to their application in typical areas or to trace gas components, as well as more comprehensive aims and scales.

- Trace gases retrieval and validation;
- Cloud retrieval and validation;
- Applications in atmospheric chemistry research;
- Air quality;
- Greenhouse gases;
- Air pollution;
- Global or regional networks;
- Satellite product validation.





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Message from the Editor-in-Chief

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