



Satellite Derived Global Ocean Product Validation/Evaluation

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Deadline for manuscript
submissions:

closed (1 February 2020)

Message from the Guest Editors

Ocean satellite instruments provide short-term to long-term (hourly to decadal) observations of physical and biogeochemical phenomena and properties in the global ocean at high spatial resolution. Ocean-observing satellite sensors have been launched recently by international space agencies including NASA, NOAA, ESA and JAXA and operationally measure the various physical, biological, and biogeochemical variables in the ocean.

Validation/evaluation efforts and uncertainty assessments are crucial to providing more accurate satellite-derived ocean products. Validation of the satellite products requires a combination of ground field measurements, instrumented surface sites, inter-satellite comparisons, and research and modeling efforts with robust methodologies.

In this Special Issue, we encourage contributions including, but not limited to, the validation/evaluation of the oceanic radiometric, geophysical and biogeochemical retrievals from various ocean satellite instruments, inter-sensor bias correction, formal error analysis of satellite-observation systems, stability of satellite data and inter-comparison and assimilation of ocean products from multiple sensors.





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Message from the Editor-in-Chief

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