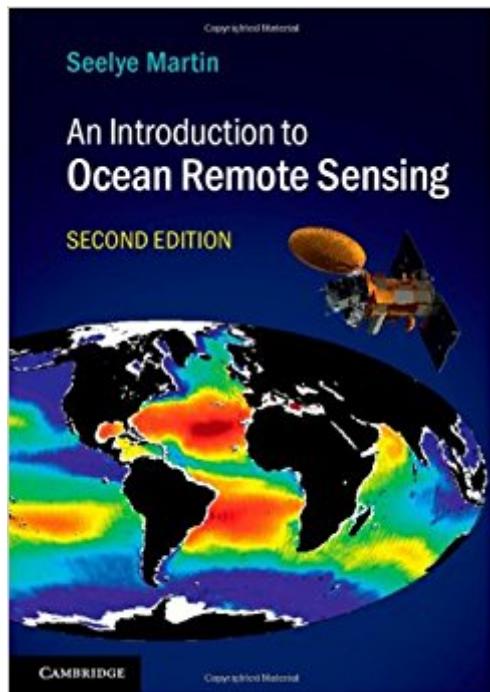


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# An Introduction To Ocean Remote Sensing



## Synopsis

Fully updated, with significant new coverage of advances in satellite oceanography and results from new satellite missions, the second edition of this popular textbook introduces students to how remote sensing works, how to understand observations from Earth-observing systems, and the observations' importance to physical and biological oceanography. It provides full explanations of radiative transfer, ocean surface properties, satellite orbits, instruments and methods, visible remote sensing of biogeochemical properties, infrared and microwave retrieval of sea surface temperature, sea surface salinity retrieval, passive microwave measurements, scatterometer wind retrieval, altimetry and SAR. Also included are descriptions of the online archives where data can be obtained, and readers can obtain online tools for working with the data - enabling hands-on engagement with real-world observations. This is an ideal textbook for graduate and advanced undergraduate students in oceanography, remote sensing and environmental science, and a practical resource for researchers and professionals working with oceanographic satellite data.

## Book Information

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## Customer Reviews

"This complex book has been written by a practitioner who is aware of the requirements of the user, but he presents the required information in a concise and yet accessible form." Averil Leaver, Open University Geological Society Journal

Covering significant new advances in satellite oceanography and results from new satellite

missions, this new edition introduces graduate and advanced undergraduate students to how remote sensing works, and observations' importance to physical and biological oceanography. Now supported with online data archives and tools enabling hands-on engagement with real-world observations.

This is the best overall book on satellite oceanography.

Dr. Seelye Martin's *An Introduction to Ocean Remote Sensing* is comprehensive, well written, and an excellent resource for teaching. As a former researcher in polar oceanography, and now an instructor teaching Earth from Space at a community college, I need to both keep up-to-date and have material that is accessible to students. This book provides me with contemporary reference materials and also with approaches to providing clear explanations to students. Particularly useful are the easily accessible online resources which contain a rich supply of images and diagrams that I can use in class. Martin's associated blog provides valuable additions in this fast evolving field; it is a much appreciated accompaniment to the book. I recommend this book highly to both professionals and college educators.

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