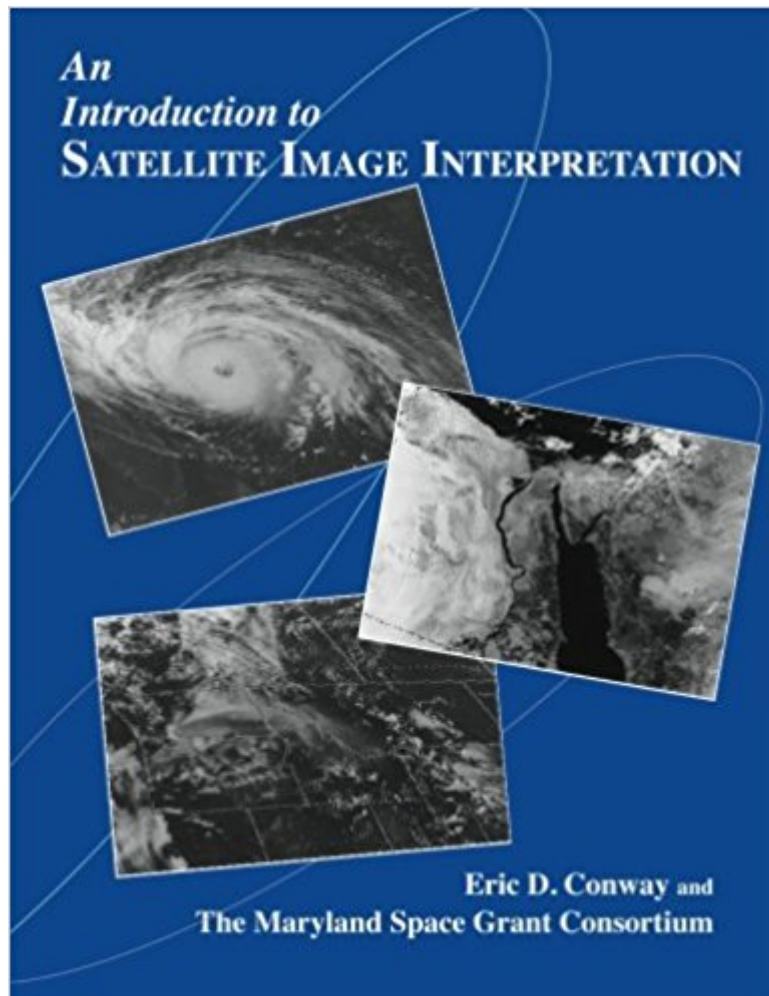




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# An Introduction To Satellite Image Interpretation



## Synopsis

Eric D. Conway and the Maryland Space Grant Consortium present a fascinating introduction to the interpretation of satellite imagery, a technology of increasing importance for a wide variety of scientific applications. Prepared in association with the National Oceanic and Atmospheric Administration (NOAA), this extensively illustrated text and accompanying CD-ROM offer a thorough overview of the use of satellite technology in Earth and planetary science, weather forecasting, and environmental research. The book covers the foundations of remote sensing, the types of satellites, and the basics of satellite image interpretation. Other topics include geographical, oceanographical applications, and atmospheric science applications of satellite imagery. With a fully indexed glossary, this well-written and thoughtfully presented text is ideal for science teachers, undergraduate and graduate students, professionals working in the field of operational meteorology, and others interested in knowing more about interpreting satellite imagery. The accompanying CD-ROM of satellite images enables the user to zoom in on many images (some of which appear in color), use overlays to identify important elements in the satellite image, and keep a notes file. The program requires a Macintosh, Windows, or Windows 95 operating system.

## Book Information

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## Customer Reviews

"I read this book from the viewpoint of a professional who spent a good portion of his career working with the interpretation of satellite imagery. The book is excellent and will serve not only the beginning student but the professional meteorologist as well. Students will be able to follow and

understand each topic the book presents, and professionals will find it helpful in refreshing their memory on various aspects of imagery interpretation. This is a fine book that should be in every scientist's library. It will benefit all who use it." (Sol Hirsch, Capitol Weather Consultants)"The book will repay all serious readers' efforts at understanding." (Choice)

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There are not a lot of textbooks that cover satellite-image based weather identification and forecasting, and luckily, Conway's book is still available. He starts out covering ca. 1990s satellite image technology and moves on to sat-based geography before diving deeply into sat image interpretation for weather forecasters and enthusiasts. Conway's approach is outstanding, simultaneously providing the reader with the weather theory that is manifest in the sat images. I run a NOAA APT satellite downlink system at home (receiving signals from the NOAA polar orbiters on 137MHz and processing the telemetry w/software) so I put what I learn from Conway to work every day. Overall, it's a fascinating, well written book. I hope that this book gets an update someday, so as to take advantage of the advances in weather satellite imagery in the last 15 years since it was printed.

nice full book

Not as deep as I thought.

I was disappointed as the material covered only meteorology. While very good, I was hoping for some coverage of vegetation and geology.

I am just getting started in the class where I am using this book and so far it is quite informative

I mean it's a book. I got an A in the class. Meh.

Great information on how to read satellite images. Will greatly help in Meteorology studies whether you're a student or a more advanced hobbyist. It is best to have an introduction into meteorology such as "Meteorology Today" before reading this book. It will help in your understanding of the text.

I hope to meet help for my RS course to undergraduate university students

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