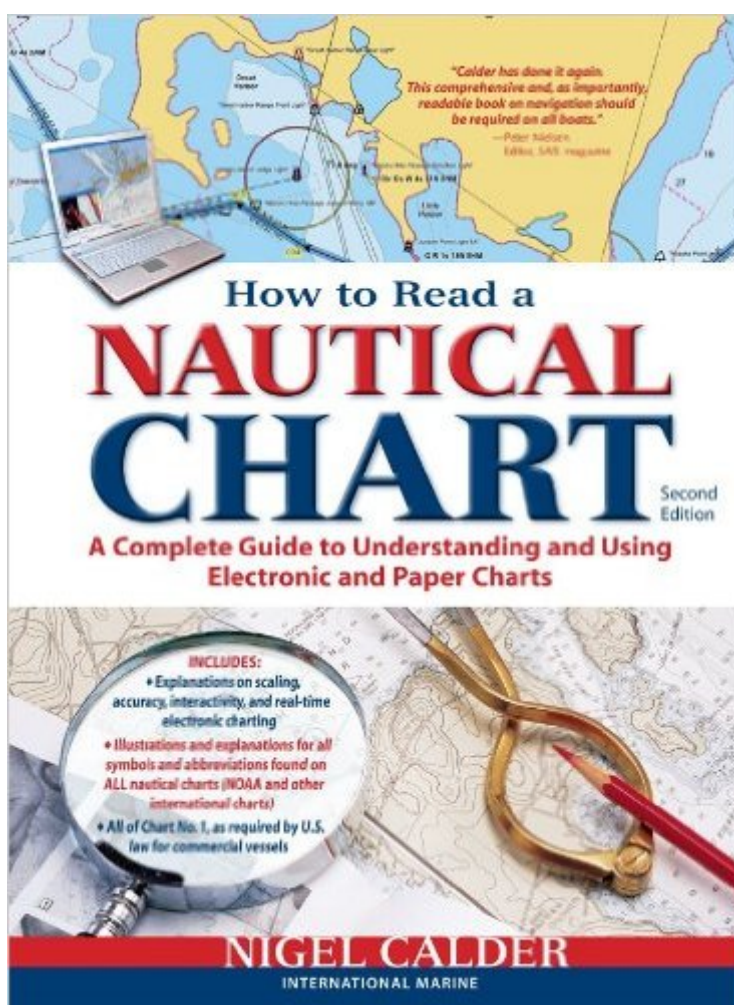


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# How To Read A Nautical Chart, 2nd Edition (Includes ALL Of Chart #1): A Complete Guide To Using And Understanding Electronic And Paper Charts



## Synopsis

Authoritative, practical, and hands-on information on reading and relying on electronic and paper nautical charts. The classic *How to Read a Nautical Chart* explains every aspect of electronic and paper nautical charts: how a chart is assembled, how to gauge the accuracy of chart data, how to read charts created by other governments, how to use information such as scale, projection technique and datum that every chart contains; how not to get fooled or run aground by overzooming. Nigel Calder teaches you how to squeeze every ounce of information out of a nautical chart (on your GPS, chartplotter, or nav station) and understand the limits of accuracy for all charts, paper and electronic, raster and vector. This much-awaited second edition addresses the changes in the world of electronic charting, integrated onboard navigation systems, as well as radar overlays and AIS and their interfacing with charts. A new chapter on the Wiki Revolution explores the mechanisms allowing you to incorporate user-generated content into navigational products and share this content with others—harnessing a user-base never before possible. Calder also explores how 3D-technology and real-time depth and weather information is creating interactive charting capacities that are fundamentally changing how we navigate. Calder's unique, practical insights will help you to navigate safely for years to come.

## Book Information

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## Customer Reviews

Because I have no experience with nautical charts, the first portion of the book made me think I could never comprehend it. But after continuing on, it all made sense. Excellent job by the author taking the time to explain the history and different areas of nautical charts. By doing this, once I got

to the area I really wanted to learn "charts themselves", I felt like I truly understood the concept and am now not terrified of this portion of "cruising". We have not begun this next chapter in our lives, but am trying to become better aware of all elements before we "set sail". I would recommend this book to even the most novice reader, it is technical, but arranged and written to be understood easily.

Have only started but already appreciate the wealth of info about maps and charting and exactly how accurate "accurate" is. Before the intro I assumed a chart was a chart of absolute truth, had not considered all that goes into its production and the degree to which you still have to rely on what you see and what you or others "know." Anxious to get further in.

Excellent graphics and explanation of terms and symbols. Necessary but exhausting (for someone new to the charts) discussion of ellipsoids, geoid, and datum. And some great real world motivation for correctly reading charts, e.g. picture pg. 67 entitled "The result of a collision with an overhead power line."

As always, if you want the straight scoop on a technical aspect of sailing, go to Nigel Calder. This book is much more than I thought it would be, delving into history, how charts are made, etc. It's certainly more than I bargained for, but interesting none the less.

Up to date chart reference, with outstanding research. Covers where we have come from in chartmaking (centuries ago) to our current standards, and the future for electronic charts. Well written and includes the Chart 1 symbols and explanations. A very good section on tides as they relate to bottom readings and overhead clearances. A lot of international info is included for those interested in venturing away from the US. A must have reference book when traveling outside your local waters for paper and electronic chart users.

Really, chart reading is not that hard...if somebody explains it to you in a straight forward way. Nigel Calder does just that. Just disregard the Loran references. Loran died shortly after this book was published. The technology is changing fast.

This is a great book, but do not get it on Kindle. You can not see the charts on Kindle (too small or unclear) and without the charts it is impossible to understand the points Mr. Calder is trying to make.

I will get a hard copy of this book, but the Kindle version is worthless.Rod

This is an excellent book on paper and electronic charts. It is VERY relevant to today's experienced sailors, despite its rather unspectacular title. It is much more than a straightforward "how to" book. Nigel describes many limitations of electronic charts and a glimpse of the future. For example, in the high end commercial charting software it is apparently possible to query an individual sounding and learn the source of the data. This kind of info will filter down to recreational software. The book made me feel both more aware of the limitations of electronic charts, as well as making me conclude that we were right in abandoning paper for navigation on Milvina a few years ago.

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