

Library

Following is a list of the documents included in the Navigator's Library.

Introduction

A quick guide to how to use the PDF files contained on this CD-ROM.

American Practical Navigator (Bowditch)

The standard reference for generations of sea-going officers, even today “Bowditch” has information and tables that can be very helpful. From figuring your distance away from an object of known height, to advice for passaging in foggy conditions, this publication contains a wealth of information.

The World Factbook

Put together by the CIA, this is the U.S. government’s complete geographical handbook, featuring 268 full-color maps and flags of all nations and geographical entities. Each country profile tracks such demographics as population, ethnicity and literacy rates, as well as political, geographical and economic data. Note: These are HTML files, not PDF files, which you can view with any browser.

Chart No. 1

Symbols, abbreviations, and terms used on United States charts. Worth spending a few hours perusing to better acquaint yourself with the information contained in the charts that we usually take for granted. Invaluable when trying to understand some of the details in chart-makers’ code.

Nautical Chart User’s Manual

This detailed look at using charts picks up where Chart No. 1 stops. A more detailed look at using NOAA charts, filled with interesting examples. Provides a good review even for experienced navigators.

Distances Between U.S. Ports

Covers distances between ports along the coastal U.S., as well as inland bodies including the Intracoastal Waterway, various river systems, and the Great Lakes.

International Code of Signals (Pub 102)

It wasn’t that long ago that this manual was in constant use aboard commercial and military vessels. Today, with all sorts of communication options, it is more of a curiosity. Still, the day might come when your ability to communicate is compromised, in which case this manual would become very valuable.

Navigation Rules – Inland and International

A U.S. Coast Guard publication detailing the current rules of the road and legal requirements. Serves as an excellent reference for how regulations change when you switch from offshore to inland areas.

Radio Navigational Aids (Pub. 117)

A listing of maritime radio, direction finding, and radar stations around the world. Gives the location, frequencies, call signs, and other pertinent data. Also included is a list of stations that can be used for emergency traffic. Good information on how to use your radio gear.

World Charts with Magnetic Variation Outlined

World Chart – Orthographic Projection

World Chart – Polar Projection

United States Coast Pilots

In the era before local cruising guides, the Coast Pilots were the ultimate reference. They still are for commercial operators. These regional manuals have valuable information about weather, currents, and tidal anomalies, as well as important details on navigational issues. Even if you are using a cruising guide, it is always a good idea to cross-reference with the Coast Pilots, paying particular attention to navigational hazards.

Vol. 1 – Atlantic Coast (Eastport to Cape Cod)

Vol. 2 – Atlantic Coast (Cape Cod to Sandy Hook)

Vol. 3 – Atlantic Coast (Sandy Hook to Cape Henry)

Vol. 4 – Atlantic Coast (Cape Henry to Key West)

Vol. 5 – Atlantic Coast (Gulf of Mexico, Puerto Rico, and Virgin Islands)

Vol. 6 – Great Lakes (Lakes Ontario, Erie, Michigan, Superior, and St. Lawrence River)

Vol. 7 – Pacific Coast (California, Oregon, Washington, and Hawaii)

Vol. 8 – Pacific Coast Alaska (Dixon Entrance to Cape Spencer)

Vol. 9 – Pacific and Arctic Coasts Alaska (Cape Spencer to Beaufort Sea)

Pub 249 Sight Reduction Tables

Also known as the Air Reduction Tables, “HO249” has been the standard for working celestial sights for more than half a century. The three volumes are presented in the same format as the printed versions.

Vol. 1 – Selected Stars

Vol. 2 – Latitudes 0 to 40 degrees, Declinations 0 to 29 degrees

Vol. 3 – Latitudes 39 to 89 degrees, Declinations 0 to 29 degrees

Domestic Light Lists

Even in the age of GPS navigation, lights are still an important back up to confirm your position. Charts – electronic and paper – can quickly become outdated. So double-check the characteristics of important lights on your passages with the appropriate light list.

Vol. 1 – Atlantic Coast (St. Croix River, Maine to Shrewsbury River, New Jersey)

Vol. 2 – Atlantic Coast (Shrewsbury River, New Jersey to Little River, South Carolina)

Vol. 3 – Atlantic Coast and Gulf Coast (Little River, South Carolina to Ecofina River, Florida, including Puerto Rico and the U.S. Virgin Islands)

Vol. 4 – Gulf of Mexico (Ecofina River, Florida to the Rio Grande, Texas)

Vol. 5 – Mississippi River System (Mississippi River and its navigable tributaries)

Vol. 6 – Pacific Coast and Pacific Islands (Pacific Coast and outlying Pacific Islands)

Vol. 7 – Great Lakes (Great Lakes and the St. Lawrence River above the St. Regis River)

Radar Navigation Manual (Pub 1310)

An interesting and detailed look at the theory of radar operation. Many helpful tables for determining radar range. You might not read this in depth, but skimming it will yield valuable insights.

World Port Index (Pub 150)

A listing of major ports around the world, along with their geographic coordinates. You'll find basic information on facilities and requirements for each port.

Distances Between Ports (Pub 151)

In the age of GPS, it's no longer essential to have a worldwide source of distances between ports. However, having the latitude and longitude of all major world ports is a big help when playing "planning games" with your GPS.

Worldwide Marine Radiofacsimile Broadcast Schedules

As the name implies, this is a list of the weather fax stations around the world, their frequencies, and most important, a schedule of information to be transmitted.

Atlas of Pilot Charts

These are the traditional pilot charts with which we all grew up. Organized by season (or monthly in some cases), they contain a variety of data on "average" winds, gales, fog, ice, ocean currents and other info of interest to mariners.

Pub 106 – North Atlantic Ocean

Pub 107 – South Pacific Ocean

Pub 109 – Indian Ocean

NIMA List of Lights, Radio Aids, and Fog Signals

Each of these publications lists the location and characteristics of the lights, radio aids or fog signals in question. The seven volumes cover the entire world outside of the continental U.S.

- Pub 110** – Greenland, the East Coasts of North and South America (excluding continental U.S. except the East Coast of Florida) and the West Indies
- Pub 111** – The West Coasts of North and South America (excluding the continental U.S. and Hawaii), Australia, Tasmania, New Zealand, and the Islands of the North and South Pacific Oceans
- Pub 112** – Western Pacific and Indian Oceans, including the Persian Gulf and Red Sea
- Pub 113** – The West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea, and Sea of Azov
- Pub 114** – British Isles, English Channel, and North Sea
- Pub 115** – Norway, Iceland, and Arctic Ocean
- Pub 116** – Baltic Sea with Kayyegat, Belts and Sound, and Gulf of Bothnia

Sailing Directions

These are the bibles for the offshore voyager. They contain literally everything you need to know about weather, currents, clearing procedures, navigational dangers, and general navigation data. The Sailing Directions are also filled with photos, chartlets, and drawings.

- Pub 120** – Pacific Ocean and Southeast Asia
- Pub 123** – Southwest Coast of Africa
- Pub 124** – East Coast of South America
- Pub 125** – West Coast of South America
- Pub 126** – Pacific Islands
- Pub 127** – East Coast of Australia and New Zealand
- Pub 131** – Western Mediterranean
- Pub 132** – Eastern Mediterranean
- Pub 140** – North Atlantic Ocean, Baltic Sea, North Sea, and Mediterranean Sea
- Pub 141** – Scotland
- Pub 142** – Ireland and the West Coast of England
- Pub 143** – West Coast of Europe and Northwest Africa
- Pub 145** – Nova Scotia and the St. Lawrence
- Pub 146** – Newfoundland, Labrador, and Hudson Bay
- Pub 147** – Caribbean Sea Volume I
- Pub 148** – Caribbean Sea Volume II
- Pub 153** – West Coasts of Mexico and Central America
- Pub 154** – British Columbia

Sailing Directions (*continued*)

- Pub 155** – East Coast of Russia
- Pub 157** – Coasts of Korea and China
- Pub 158** – Japan Volume I
- Pub 159** – Japan Volume II
- Pub 160** – South Atlantic Ocean and Indian Ocean
- Pub 161** – South China Sea and the Gulf of Thailand
- Pub 162** – Philippine Islands
- Pub 163** – Borneo, Jawa, Sulawesi, and Nusa Tenggara
- Pub 164** – New Guinea
- Pub 171** – East Africa and the South Indian Ocean
- Pub 172** – The Red Sea and the Persian Gulf
- Pub 173** – India and the Bay of Bengal
- Pub 174** – Strait of Malacca and Sumatera
- Pub 175** – North, West and South Coasts of Australia
- Pub 180** – Arctic Ocean
- Pub 181** – Greenland and Iceland
- Pub 182** – North and West Coasts of Norway
- Pub 183** – Northern Coast of Russia
- Pub 191** – English Channel
- Pub 192** – North Sea
- Pub 193** – Skagerrak and Kattegat
- Pub 194** – Baltic Sea (Southern Part)
- Pub 195** – Gulf of Finland and Gulf of Bothnia
- Pub 200** – Antarctica