

PUB. 160

**SAILING DIRECTIONS
(PLANNING GUIDE)**

★
**SOUTH ATLANTIC OCEAN
AND INDIAN OCEAN**



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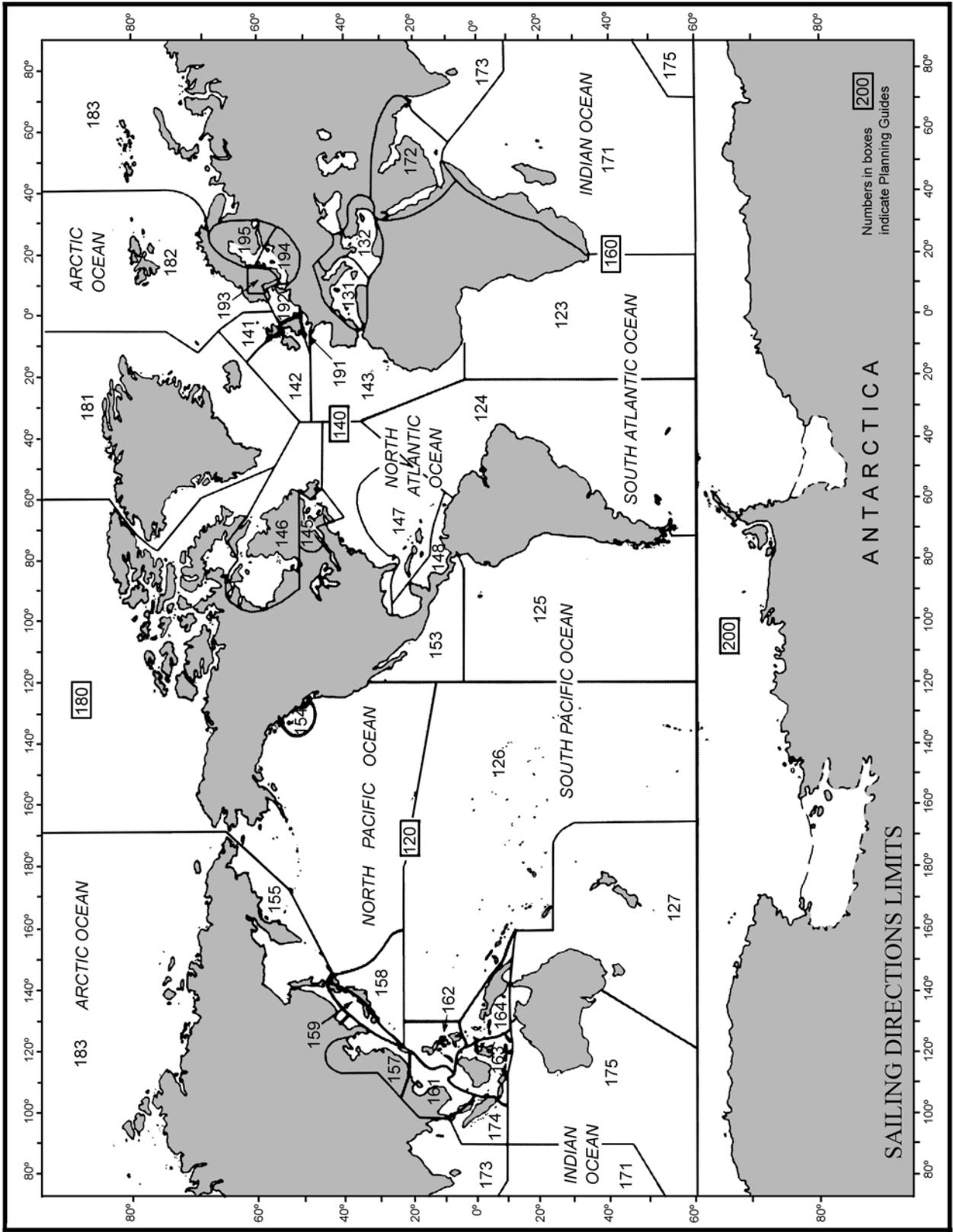
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SAILING DIRECTIONS LIMITS

Preface

Pub. 160, Sailing Directions (Planning Guide) South Atlantic Ocean and Indian Ocean, Third Edition, 2004, is issued for use in conjunction with the following Sailing Directions (En-route) Publications:

Pub. 123, Pub. 124, Pub. 171, Pub. 172, Pub. 173,
Pub. 174, and Pub. 175.

This publication has been corrected to 3 April 2004, including Notice to Mariners No. 14 of 2004.

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Sailing Directions are published by the National Geospatial-Intelligence Agency (NGA) under the authority of Department of Defense Directive 5105.40, dated 12 December 1988, and pursuant to the authority contained in U. S. Code Title 10, Sections 2791 and 2792 and Title 44, Section 1336. Sailing Directions, covering the harbors, coasts, and waters of the world, provide information that cannot be shown graphically on nautical charts and is not readily available elsewhere.

Sailing Directions (Planning Guide) are intended to assist mariners in planning ocean passages and to eliminate duplication by consolidating useful information about all the countries adjacent to a particular ocean basin in one volume.

Planning Guide publications are compiled and structured in the alphabetical order of countries contained within the region covered by each publication.

Bearings.—Bearings are true, and are expressed in degrees from 000° (north) to 360°, measured clockwise. General bearings are expressed by the initial letters of the points of the compass (e.g. N, NNE, NE, etc.). Adjective and adverb endings have been discarded. Wherever precise bearings are intended, degrees are used.

Corrective Information.—Corrective information and other comments about this publication can be forwarded to NGA, as follows:

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NGA Maritime Safety Information Division
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Courses.—Courses are true, and are expressed in the same manner as bearings. The directives “steer” and “make good” a course mean, without exception, to proceed from a point of origin along a track having the identical meridional angle as the designated course. Vessels following the directives must allow for every influence tending to cause deviation from such track,

and navigate so that the designated course is continuously being made good.

Currents.—Current directions are the true directions toward which currents set.

Distances.—Distances are expressed in nautical miles of 1 minute of latitude. Distances of less than 1 mile are expressed in meters, or tenths of miles.

Geographic Names.—Geographic names are generally those used by the nation having sovereignty. Names in parentheses following another name are alternate names that may appear on some charts. In general, alternate names are quoted only in the principal description of the place. Diacritical marks, such as accents, cedillas, and circumflexes, which are related to specific letters in certain foreign languages, are not used in the interest of typographical simplicity.

Geographic names or their spellings do not necessarily reflect recognition of the political status of an area by the United States Government.

Heights.—Heights are referred to the plane of reference used for that purpose on the charts and are expressed in meters.

Internet Links.—This publication provides Internet links to web sites concerned with maritime navigational safety, including but not limited to, Federal government sites, foreign Hydrographic Offices, and foreign public/private port facilities. NGA makes no claims, promises, or guarantees concerning the accuracy, completeness, or adequacy of the contents of these web sites and expressly disclaims any liability for errors and omissions in the contents of these web sites.

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2. Straight baseline, internal waters, or historic waters claims.
3. The establishment of a security zone, where a state claims to control activity beyond its territorial sea for security reasons unrelated to that state's police powers in its territory, including its territorial sea.

Radio Navigational Aids.—Radio navigational aids and radio weather services are not described in detail. Publication No. 117 Radio Navigational Aids and NOAA Publication, Selected Worldwide Marine Weather Broadcasts, should be consulted.

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Soundings.—Soundings are referred to the datum of the charts and are expressed in meters.

Reference List

Special Warnings.—Special Warnings may be in force for the geographic area covered by this publication. Special Warnings are printed in the weekly Notice to Mariners upon promulgation and are reprinted annually in Notice to Mariners No. 1. A listing of Special Warnings currently in force is printed in each weekly Notice to Mariners, Section III, Broadcast Warnings, along with the notice number of promulgation. Special Warnings are also available on the Maritime Safety Information Division website.

**NGA Maritime Safety Information Division
Website (Special Warnings)**

http://164.214.12.145warn/warn_j_query.html

Time Zone.—The Time Zone description(s), as well as information concerning the use of Daylight Savings Time, are included. The World Time Zone Chart is available on the Internet at the website given below.

World Time Zone Chart

http://www.odci.gov/cia/publications/factbook/reference_maps/pdf/time_zones.pdf

Winds.—Wind directions are the true directions from which winds blow.

The principal sources examined in the preparation of this publication were:

British Hydrographic Department Sailing Directions.
Argentina Sailing Directions.
Brazil Sailing Directions.
South Africa Sailing Directions.
Fairplay Ports and Terminals, 2003.
The Statesman's Yearbook, 2003.
The World Factbook, 2003.
Reports from United States Naval and merchant vessels and various shipping companies.
Other U.S. Government publications, reports, and documents.
Charts, light lists, tide and current tables, and other documents in possession of the Agency.

Internet Web sites, as follows:

1. Department of State/U.S. Embassies.
<http://usembassy.state.gov>
2. IMB Piracy Reporting Center Home Page.
http://www.iccwbo.org/ccs/menu_imb_piracy.asp
3. World Factbook.
<http://www.odci.gov/cia/publications/factbook>