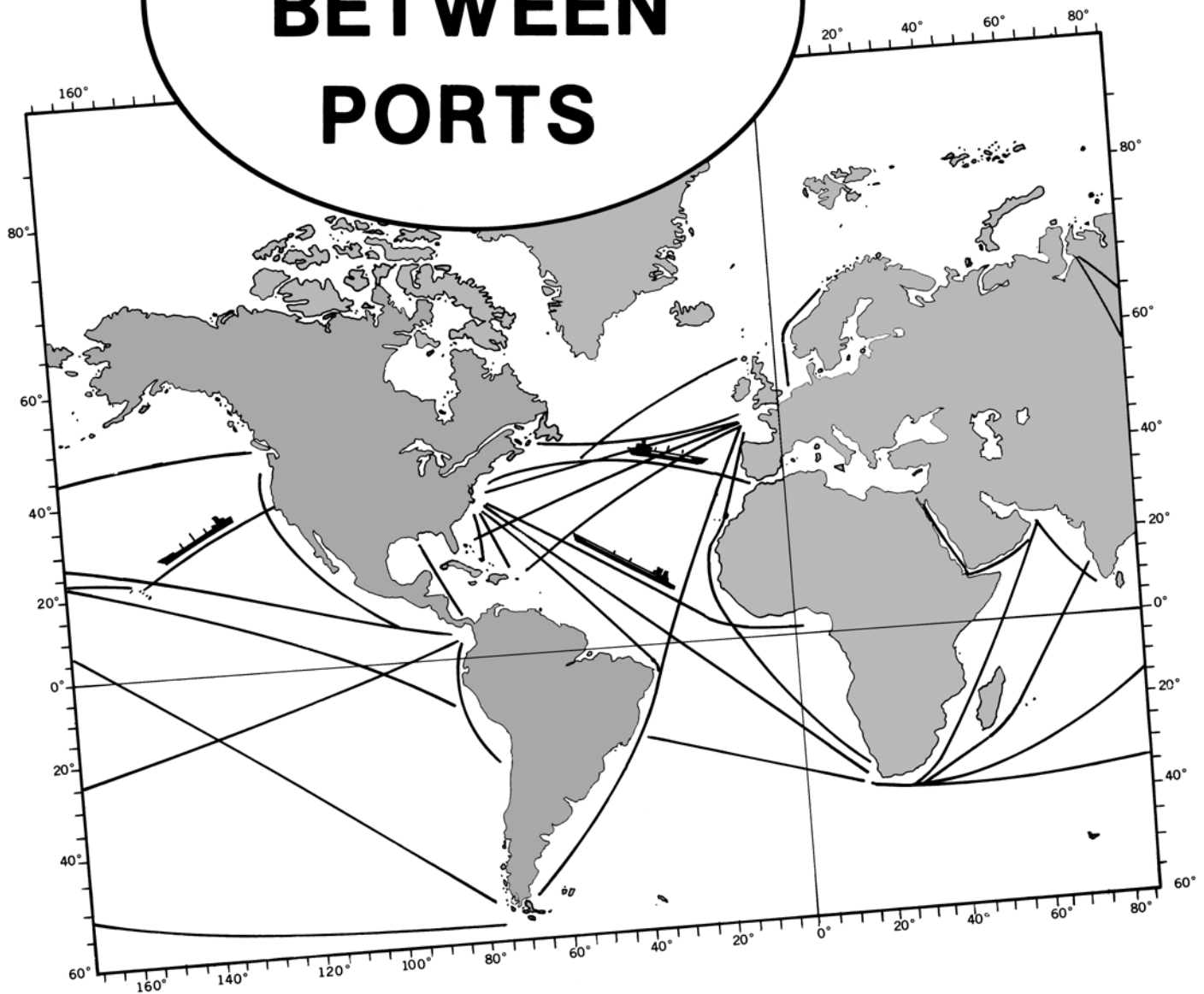


DISTANCES BETWEEN PORTS



PUB. 151

1999



NSN 7642014008470
NIMA REF. NO. NVPUB151



ED. NO. 010

PUB. 151

DISTANCES BETWEEN PORTS

Prepared and published by the
NATIONAL IMAGERY AND MAPPING AGENCY
Bethesda, Maryland

© COPYRIGHT 1999 BY THE UNITED STATES GOVERNMENT
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

TENTH EDITION
1999



For sale by authorized Sales Agents of the National Ocean Service

PREFACE

GENERAL INFORMATION.—The 1999 Edition of Pub. 151, Distances Between Ports, supersedes all previous editions. Distances in this table are in nautical miles based on the International Nautical Mile of approximately 6,076.1 feet. Nautical miles may be converted to statute miles of 5,280 feet by multiplying by 1.15. (See conversion table at back of book). The positions listed for Ports are central positions that most represent each port. The distances are between positions shown for each port and are generally over routes that afford the safest passage. Most of the distances represent the shortest navigable routes, but in some cases, longer routes, that take advantage of favorable currents, have been used. In other cases, increased distances result from routes selected to avoid ice or other dangers to navigation, or to follow required separation schemes.

DESCRIPTION OF THE TABLES.—Departure Ports are listed alphabetically with distances to arrival Ports listed below them; distances to appropriate junction points are also listed. Junction Points are additionally located in the alphabetical sequence with distances to other appropriate Junction Points listed below. Great Lakes distances are given in U.S. Coast Pilot 6.

JUNCTION POINTS.—It is impractical to give all distances for every possible combination of Ports in this volume; therefore, the use of Junction Points greatly increases the number of distances that may be included by affording a means of connecting routes in adjacent oceans. In this book a Junction Point is a position where many routes converge and through which ships pass when sailing from one major area into another. For example, the Junction Point for routes from the Atlantic into the Mediterranean is the Strait of Gibraltar. Junction Points used in this publication are shown on the chartlets in the front part of the book.

ROUTES.—Routes throughout the world are described in the Sailing Directions along with route charts for the area of coverage. Articles on currents and meteorology are also covered in these publications. Additionally, charts are available such as, Pilot Charts and the NIMA World Chart, Series 1145, which portray ocean routes worldwide. Any of these products may be used to assist the user in planning a voyage. A chartlet of basic ocean routes is included in the front of this publication for quick reference.

HOW TO USE THE TABLES.—To obtain distances, find the departure port in the alphabetical listing and select the desired arrival port and distance listed below. In most cases, the distances from one port to another and return are reciprocal, but in some cases, the distances differ because different routes were used which

take advantage of favorable currents or weather on one or both of the routes. To obtain a distance over a route that passes through one or more Junction Points, it is necessary to find and add distances for the two or more sections into which the route is divided.

For example: New York to Colombo—Using the Junction Point chartlets at the front of the book, locate all Junction Points between New York and Colombo.

There are two: Strait of Gibraltar and Port Said.

Find New York in the Distance Table: Page 71
Under Junction Points, locate —

Strait of Gibraltar..... 3,180 miles

Find Strait of Gibraltar in the Distance Table: Page 111

Under Junction Points, locate —

Port Said, Arab Republic of
Egypt..... 1,943 miles

Find Port Said in the Distance Table: Page 87

Under Ports, locate —

Colombo, Sri Lanka..... 3,481 miles

Total Nautical Miles..... 8,604

If the user wishes to know the westbound route because of enroute cargo commitments, or which route is shorter—proceed as follows:

New York to Panama..... 2,016
Panama to Singapore..... 10,505
Singapore to Colombo..... 1,581

Total Nautical Miles..... 14,102

CORRECTIVE INFORMATION.—Users are requested to forward new or corrective information useful in the correction of this publication to:

MARINE NAVIGATION DEPARTMENT
ST D 44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA, MARYLAND 20816-5003

CONTENTS

	Page
Preface	I
Chart Showing General World Routes	V
List of Junction Points	VI
Junction Points, Atlantic Ocean Basin	VII
Junction Points, Indian Ocean Basin	VIII
Junction Points, Pacific Ocean Basin	IX
Distance Between Ocean Ports of the World	1
Conversion Table for Nautical and Statute Miles	130
Table for Estimating Time of Transit	131

**PUB. 151
JUNCTION POINTS**

Bishop Rock, England,.....	49°45'00"N., 6°35'00"W.
Cape Leeuwin, Australia,	34°32'00"S., 115°08'00"E.
Cape of Good Hope, South Africa,	34°22'00"S., 18°23'00"E.
Fastnet Rock, Republic of Ireland,.....	51°20'00"N., 9°36'00"W.
Grand Banks South,.....	42°30'00"N., 50°00'00"W.
Honshu, Japan,	35°00'00"N., 140°30'00"E.
Ile d'Ouessant, France,.....	48°40'00"N., 5°30'00"W.
Inishtrahull, Republic of Ireland,	55°25'00"N., 7°30'00"W.
Montreal, Canada,	45°30'00"N., 73°33'00"W.
Nord-Ostsee Kanal,	54°22'00"N., 10°09'00"E.
Panama, Panama,.....	8°53'00"N., 79°31'00"W.
Pentland Firth, Scotland,	58°42'00"N., 3°20'00"W.
Port Said, Arab Republic of Egypt,.....	31°16'00"N., 32°19'00"E.
Punta Arenas, Chile,.....	53°10'00"S., 70°54'00"W.
Selat Lombok, Indonesia,.....	8°50'00"S., 115°43'00"E.
Selat Sunda, Indonesia,	6°04'00"S., 105°50'00"E.
Selat Wetar, Indonesia,	8°19'00"S., 127°27'00"E.
Singapore,.....	1°16'00"N., 103°50'00"E.
Skagens Odde, Denmark,	57°48'00"N., 10°44'00"E.
Strait of Gibraltar,.....	35°57'00"N., 5°45'00"W.
Straits of Florida,.....	24°25'00"N., 83°00'00"W.
Torres Strait, Australia,	10°33'00"S., 142°08'00"E.
Tsugaru-Kaikyo, Japan,.....	41°30'00"N., 140°40'00"E.
Wilson Promontory, Australia,	39°10'00"S., 146°26'00"E.
Yucatan Channel,.....	21°50'00"N., 85°03'00"W.

