1st Ed., Aug. 1941

CANADA
UNITED STATES
GULF OF ST LAWRENCE
NEWFOUNDLAND
GRAND BANKS OF NEWFOUNDLAND
NOVA SCOTIA
GULF OF MAINE
ST LAWRENCE RIVER
LAKE ONTARIO
LAKE ERIE
Bermuda
BAHAMAS
CUBA
JAMAICA
HISPANIOLA
PUERTO RICO
CARIBBEAN SEA
VENEZUELA
COLOMBIA
GUYANA
SURINAM
ARQUIPÉLAGO DOS AÇORES
Madeira
ISLAS CANARIAS
CAPE VERDE
ENGLISH CHANNEL
FRANCE
BAY OF BISCAY
SPAIN
PORTUGAL
STRAIT OF GIBRALTAR
MOROCCO
WESTERN SAHARA
AFRICA
MAURITANIA
SENEGAL
GAMBIA
GUINEA-BISSAU
GUINEA
SIERRA LEONE
LIBERIA
250° 570
225° 515
172° 300
2,700

NORTH ATLANTIC OCEAN
SOUTHERN SHEET

Compiled from various sources to 1959
Corrected from Notice to Mariners through NM 19, 1977
SOUNDINGS IN FATHOMS
(Under Eleven in Fathoms and Feet)

For Symbols and Abbreviations, see Chart No. 1
Names are not necessarily authoritative
MERCATOR PROJECTION
SCALE 1:6,331,100 AT LAT. 30°

Magnetic variation curves are for 1975
Figures in parentheses indicate annual change

RULES FOR APPLYING ANNUAL CHANGE TO MAGNETIC VARIATION
The following procedures are to be followed when applying annual change to the magnetic variation. If annual change is of the same direction (West or East) as variation, it is to be added and variation is increasing. If annual change is opposite in direction to variation, it is to be subtracted and the variation is decreasing.

CONVERSION TABLE
FATHOMS AND FEET TO METERS

Fathoms	Feet 0	1	2	3	4	5
	Meters					
0	0	0.3	0.6	0.9	1.2	1.5
1	1.8	2.1	2.4	2.7	3.0	3.4
2	3.7	4.0	4.3	4.6	4.9	5.2
3	5.5	5.8	6.1	6.4	6.7	7.0
4	7.3	7.6	7.9	8.2	8.5	8.8
5	9.1	9.4	9.8	10.1	10.4	10.7
6	11.0	11.3	11.6	11.9	12.2	12.5
7	12.8	13.1	13.4	13.7	14.0	14.3
8	14.6	14.9	15.2	15.5	15.8	16.1
9	16.4	16.8	17.1	17.4	17.7	18.0
10	18.3	18.6	18.9	19.2	19.5	19.8

Distance + Time
based on 120 mi
Per day

Tangiers
to
Medeira 570
= 4.75 days

Medeira
to Grand
Canaria = 300 mi
= 2.5 days

or:
Tangiers to
Grand Canaria
= 675 mi
= 5.6 days

Grand Canaria
to Barbadoes
= 2,700 mi
= 22.5 days

2nd Ed., Jun 12, 1976 : Corrected through NM 19/77 of May 7, 1977
Users should refer corrections, additions, and comments for improving this product to: DIRECTOR, DEFENSE MAPPING AGENCY HYDROGRAPHIC CENTER, Washington, D.C. 20390.
ATTN: Code PR

Prepared and published by the
DEFENSE MAPPING AGENCY HYDROGRAPHIC CENTER
Washington, D.C. 20390

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See paragraph No. 1 of Notice to Mariners No. 1 or Sailing Directions Planning Guides for DMAHC Charts.