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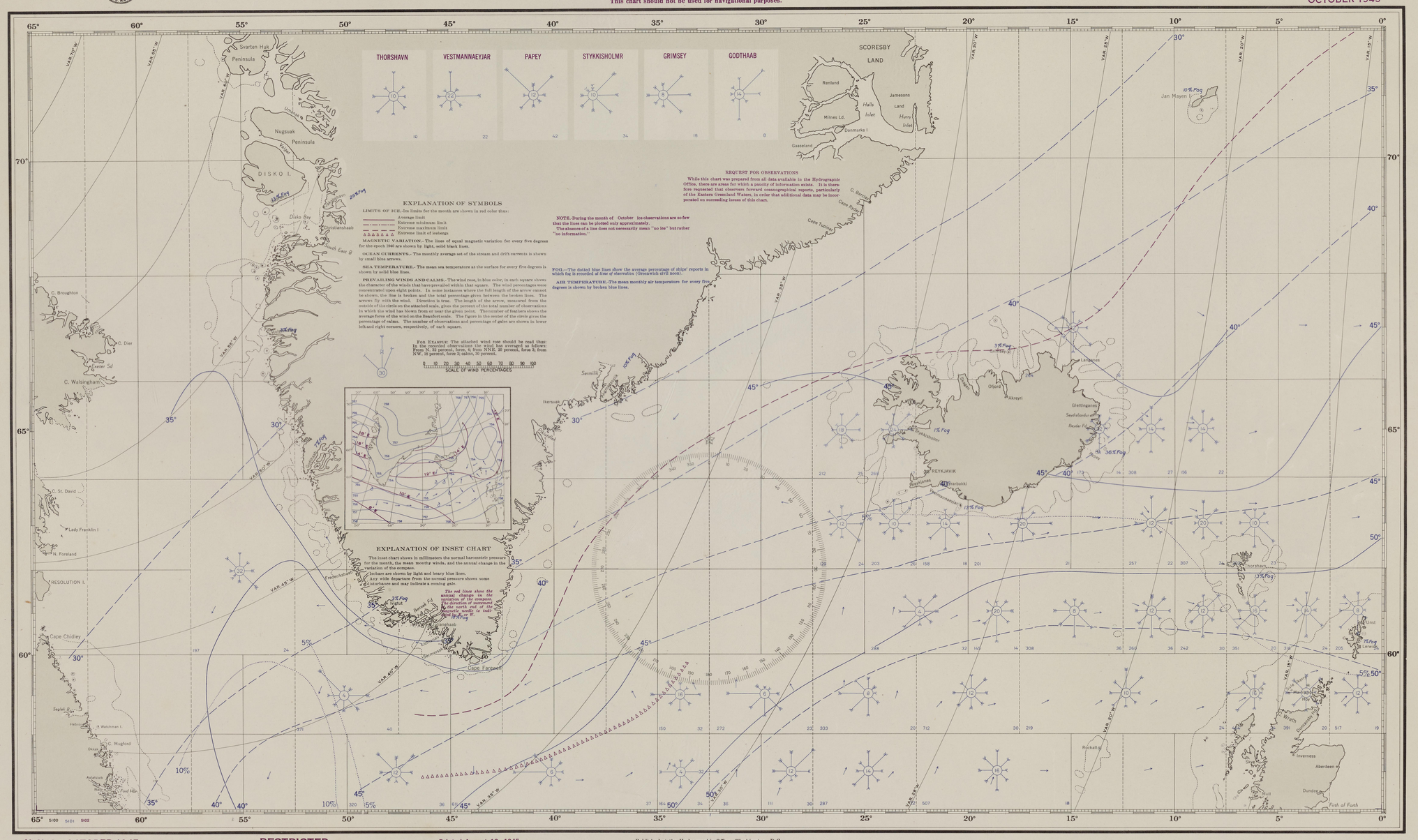
No. 1400 b

PILOT CHART OF THE NORTHERN ATLANTIC OCEAN

This chart should not be used for navigational purposes.

OCTOBER 1945


THORSHAVN
VESTMANNAEYJAR
PAPEY
STYKKISHOLMR
GRIMSEY
GODTHAAB
EXPLANATION OF SYMBOLS
LIMITS OF ICE.-Ice limits for the month are shown in red color thus:
Average limit
Extreme minimum limit
Extreme maximum limit
Extreme limit of icebergs
MAGNETIC VARIATION.- The lines of equal magnetic variation for every five degrees for the epoch 1940 are shown by light, solid black lines.
OCEAN CURRENTS.- The monthly average set of the stream and drift currents is shown by small blue arrows.
SEA TEMPERATURE.- The mean sea temperature at the surface for every five degrees is shown by solid blue lines.
PREVAILING WINDS AND CALMS.- The wind rose, in blue color, in each square shows the character of the winds that have prevailed within that square. The wind percentages were concentrated upon eight points. In some instances where the full length of the arrow cannot be shown, the line is broken and the total percentage given between the broken lines. The arrows fly with the wind. Direction is true. The length of the arrow, measured from the outside of the circle on the attached scale, gives the percent of the total number of observations in which the wind has blown from or near the given point. The number of feathers shows the average force of the wind on the Beaufort scale. The figure in the center of the circle gives the percentage of calms. The number of observations and percentage of gales are shown in lower left and right corners, respectively, of each square.
FOR EXAMPLE: The attached wind rose should be read thus: In the square represented by the rose, the winds are arranged as follows: From N. 32 percent, force, 4; from NNE. 20 percent, force 3; from NW. 18 percent, force 2; calms, 30 percent.
SCALE OF WIND PERCENTAGES
EXPLANATION OF INSET CHART
The inset chart shows in millimeters the normal barometric pressure for the month, the mean monthly winds, and the annual change in the variation of the compass.
Isobars are shown by light and heavy blue lines.
Any wide departure from the normal pressure shows some disturbance and may indicate a coming gale.
The red lines show the annual change of the compass. The direction of movement of the north end of the magnetic needle is indicated by the arrows.
REQUEST FOR OBSERVATIONS
While this chart was prepared from all data available in the Hydrographic Office, there are areas for which a paucity of information exists. It is therefore requested that observers forward oceanographical reports, particularly of the Eastern Greenland Waters, in order that additional data may be incorporated on succeeding issues of this chart.
NOTE.-During the month of October ice observations are so few that the lines can be plotted only approximately.
The absence of a line does not necessarily mean "no ice" but rather "no information."
FOG.-The dotted blue lines show the average percentage of ships' reports in which fog is recorded at time of observation (Greenwich civil noon).
AIR TEMPERATURE.-The mean monthly air temperature for every five degrees is shown by broken blue lines.
SCORESBY LAND
Renland
Milnes Ld.
Danmarks I
Gasskiang
Halls Inlet
Jamesons Land
Hurry Inlet
Jan Mayen I.
Svarten Huk Peninsula
Nugsuak Peninsula
DISKO I.
Disko Bay
Godthaabshavn
South East B
C. Broughton
C. Dier
Exeter Sd
C. Walsingham
C. St. David
Lady Franklin I
N. Foreland
RESOLUTION I.
Cape Chidley
Saglek B.
Hebron
Nain
C. Mugford
Okak
Avatanak
Ford Hbr.
Frederikshaab
Julianehaab
Cape Farewell
Ikersuak
Sermilik
Cape Tobin
Cape Ryder
C. Bismarck
Akureyri
Olafsfjordur
Siglufjordur
Seydisfjordur
Reydar Fj.
Glettinganes
Langanes
REYKJAVIK
Hafnarfjordur
Vestmannaeyjar
Thorshavn
Lerwick
Unst
Mull
Inverness
Aberdeen
Dundee
Firth of Forth
Rockall
Hebrides
Minch
Skye
Outer Hbr.
Lewis
Stornoway
Loch Ewe
Loch Maree
Loch Broom
Loch Eriboll
Loch Inchard
Loch Ness
Loch Lochy
Loch Linnhe
Loch Ryan
Firth of Clyde
Firth of Forth
Firth of Tay
Firth of Moray
Firth of Lorne
Firth of Tummel
Firth of Ness
Firth of Cromarty
Firth of Dornoch
Firth of Kyle
Firth of Lochy
Firth of Leven