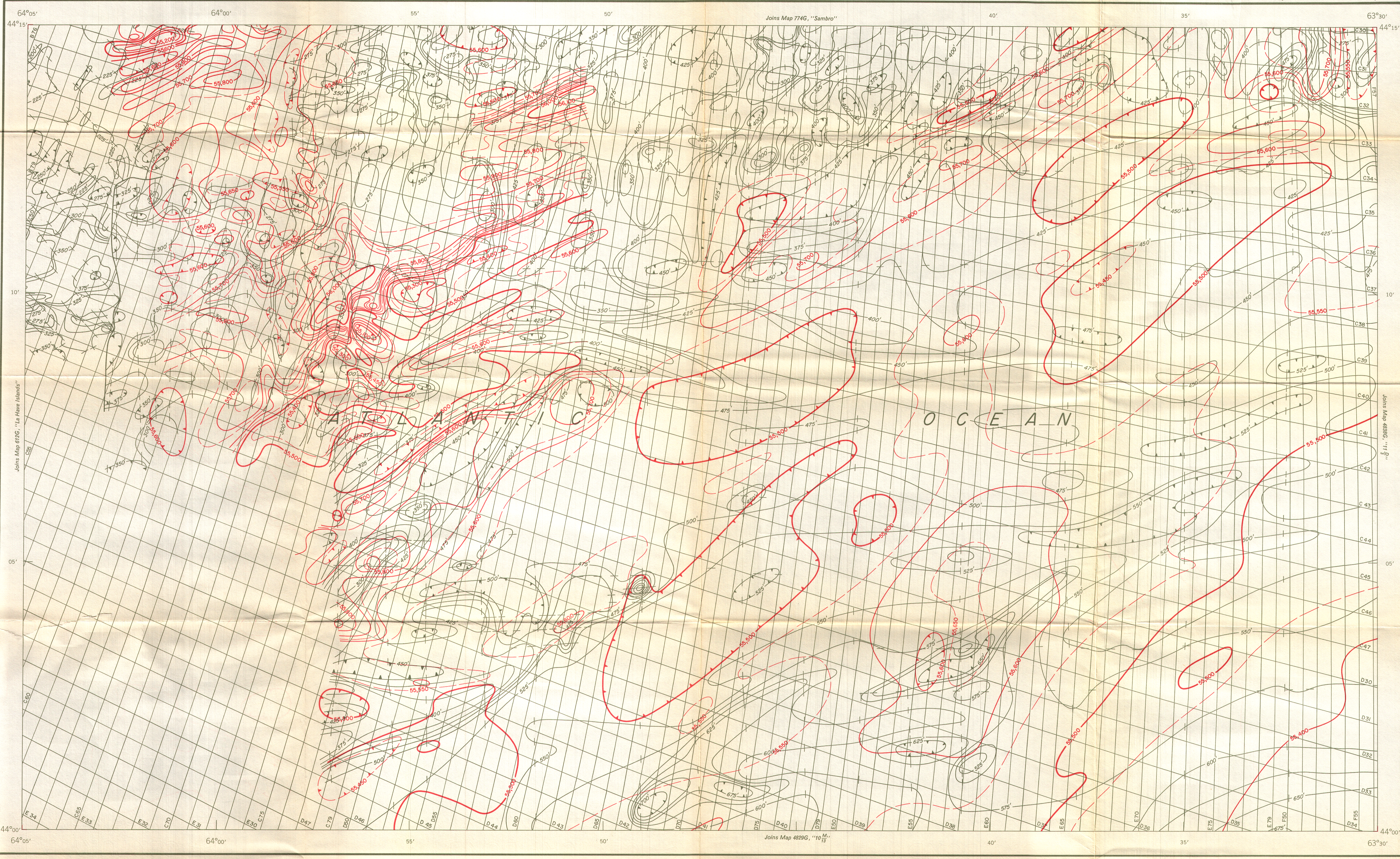
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

SHIP MAGNETOMETER SERIES

SHEET 11 D/4 AND PART OF 21 A/1



PUBLISHED 1966

MAP 4830G

SCOTIAN SHELF

$11\frac{D}{4}$ AND PART OF $21\frac{A}{1}$

Scale: One Inch to One Mile = $\frac{1}{63,360}$

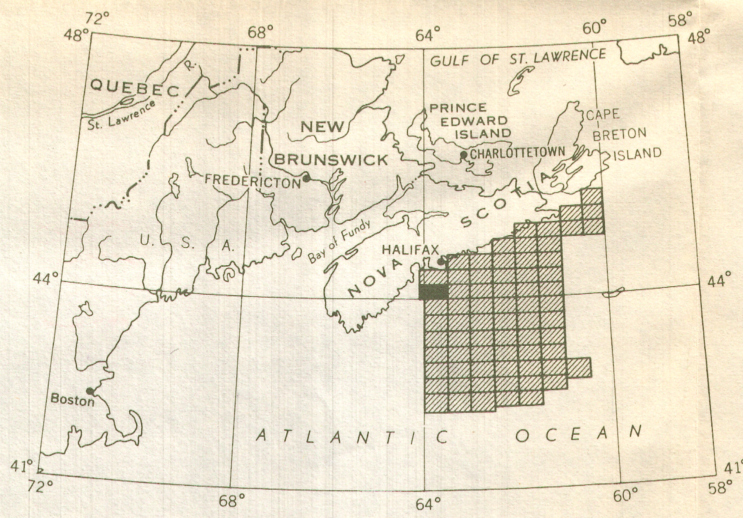
Miles

1 ½ 0 1 2 3

ISOMAGNETIC LINES (absolute total field)

500 gammas . . . .
100 gammas . . . .
50 gammas . . . .
Magnetic depression. . . . .

Ship's track and bathymetric contours in feet below sea-level . . . . 200'



INDEX MAP

The ship magnetometer survey was conducted between May and October 1962 , using a direct-reading proton free-precession magnetometer. The ship's position was controlled by Nova Scotia Decca Chain 7 The survey and subsequent compilation were carried out by personnel from the Geophysics Division, Geological Survey of Canada Drafting by Spartan Air Services Ltd.

No correction has been made for regional variation.

The magnetic contours drawn in red and bathymetric contours shown in grey were compiled from data recorded along the ship's track which is indicated by cross-ticks on the bathymetric contour. The bathymetric contours given in feet are obtained from echo-sounding records and depth calculations have been made assuming a velocity of sound in sea-water of 4,800 feet per second. The echo-sounding equipment was installed on a CHS ship which also carried out the magnetometer survey.

MAP 4830G
SCOTIAN SHELF
$11\frac{D}{4}$ AND PART OF $21\frac{A}{1}$