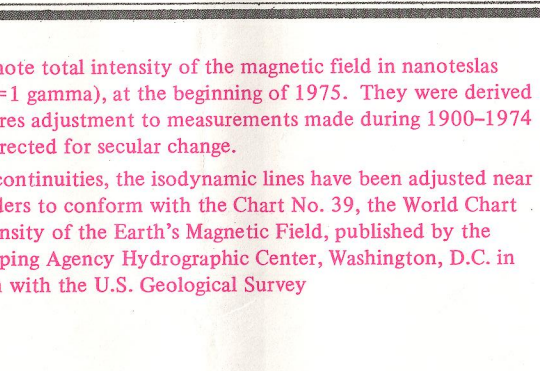
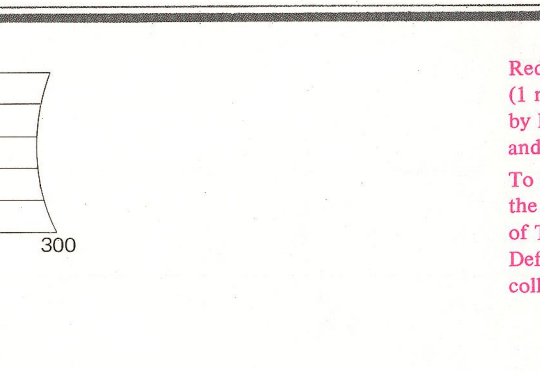
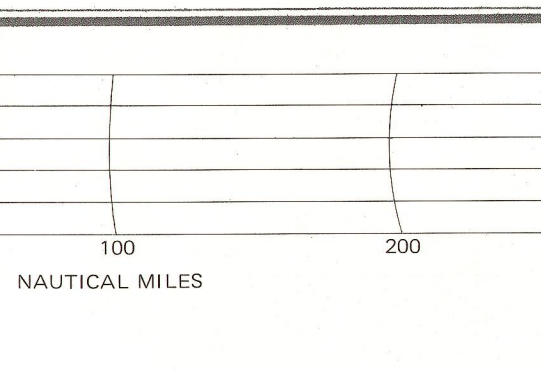
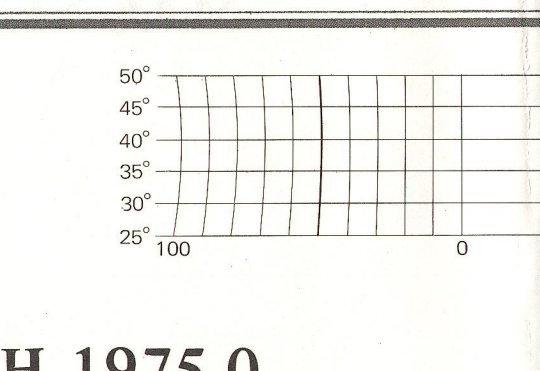
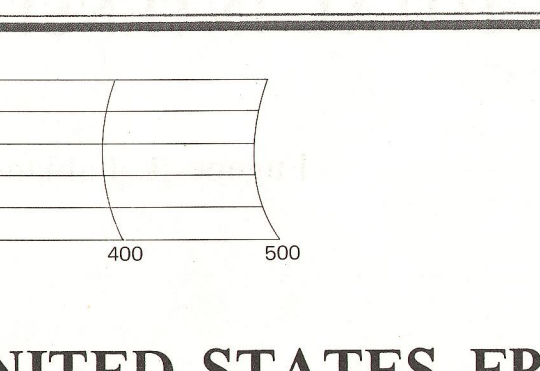
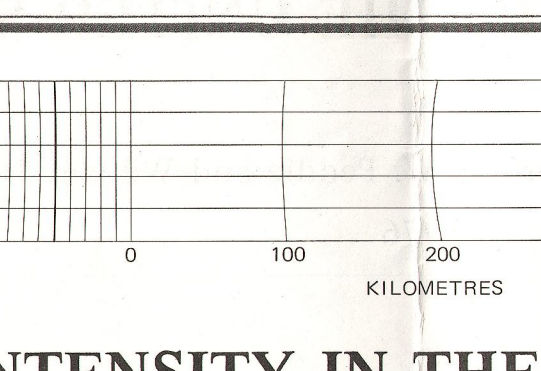
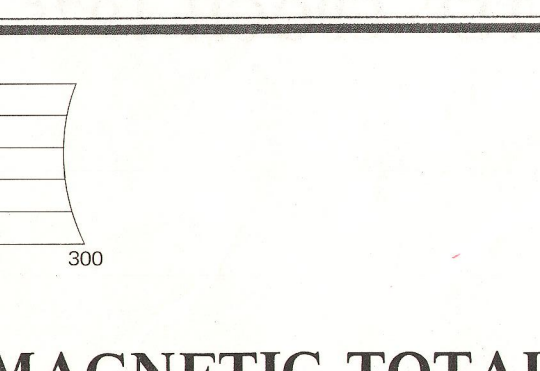
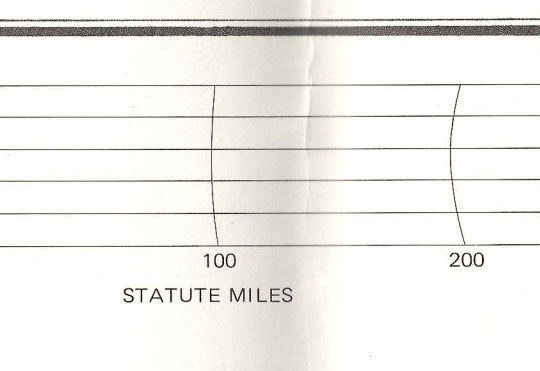
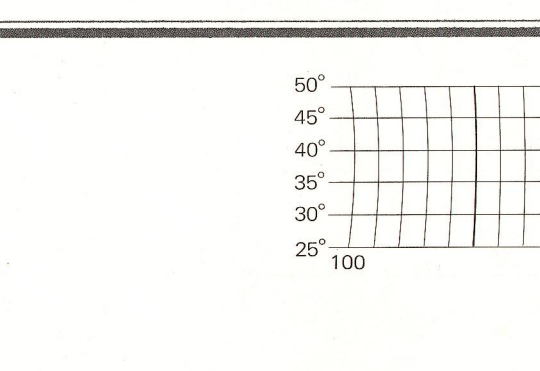


Base from Coast and Geodetic Survey, Environmental Science Service Administration, U.S. Department of Commerce, 1965, revised 1976.  
Candys M. Finkle gave valuable assistance in several areas requiring computer usage. The plotting program was adapted from a version originally designed by Norman W. Peddie. Elmer A. Hornsby and Roy S. Boardman assisted in processing data and preparing the final manuscript. Richard C. Green and Donald M. Campbell processed the results obtained from the magnetic repeat stations. Dr. B. Wadsworth of NOAA prepared the data files.

Blue lines indicate annual change in total intensity in nanotesla (1 nanotesla = 1 gamma). Solid lines denote increasing intensity, dashed lines decreasing intensity. These lines were derived from least-squares analysis of the rates of change measured at regional observation stations and at more than 100 magnetic repeat stations occupied through the 1974 field season. Single repeat stations are denoted by a black square. It is important to note that because of the irreversibility of secular change, the actual rates may vary considerably within a few years of the epoch date of the map.



Red lines denote total intensity of the magnetic field in nanotesla (1 nanotesla = 1 gamma), at the beginning of 1975. They were derived by least-squares adjustment to measurements made during 1950-1974 and were corrected for secular change.  
To avoid discontinuities, the isogams have been adjusted near all major boundaries of the 1975 Magnetic Field, published by the Defense Mapping Agency Hydrographic Center, Washington, D.C., in collaboration with the U.S. Geological Survey.

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MAGNETIC TOTAL INTENSITY IN THE UNITED STATES-EPOCH 1975.0

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