We have been collecting digital marine magnetic data to contribute to the World Digital Magnetic Anomaly Map (WDMAM) project. The main data source is the Geophysical Data System (GEODAS) track line data from the U.S. NGDC. Some of the GEODAS data are only available as analog data, i.e., files of scanned microfilms, and can be classified into three types: 1) analog magnetometer charts with digital navigation data, 2) geophysical data listings, and 3) data plots on ship-track maps. Some of the microfilms are of poor quality, where their numerals are too difficult to read and their data curves are too difficult to trace. In some of the microfilms, on the other hand, either of simultaneous navigation or magnetic data is lacking. In digitisation of magnetometer charts of type 1 data, we usually divided a long chart into several pieces to avoid the effect of its distortions, and digitised each of them separately at a constant time interval of the corresponding digital navigation data. Some of the type 2 geophysical data are preliminary ones, and we had to correct position jumps in them. We digitised navigation data of data plots (type 3) and adjusted them at neighbouring geographical grid points in the track maps. In spite of these problems, we have successfully digitised analog data of more than 30 cruises/legs. General accuracies of observed magnetic and navigation data are estimated to be within a few nT and a few nautical miles, respectively.