

**FAX REPRODUCTION OF ANCIENT MAPS AND ATLASES ON THE EXAMPLE OF
THE ATLAS
“DRAWING BOOK OF SIBERIA” BY S.U. REMIZOV**

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Analysis of sale market of cartographic production showed , that demand for reproductions of ancient maps and atlases increased at last time . In presented report technology of reproduction of ancient atlas “Drawing book of Siberia” is explained . Ancient maps and drawings demanding fax reproduction (that is to say , maximal possible accuracy of transmission of background and hachure elements and accuracy of transmission of material's texture) are most complicated for reproduction . As rule , these maps have got yellowed margins and great black and colour hachure load . Colours of these maps do not lie in colour spread of existing set of color usually . Reproduction is complicated by presence of technical defects and cracks . That is why we need to define necessary degree of accuracy of reproduction at first of all . We should define , if usual set of color is sufficient or it is necessary to use some additional colours . We must also take into consideration subsequent technologic process , quality features of the paper and the paints . We fulfilled complete analysis of presented original . Analysis includes appraising of original's condition and picture's condition with usage of the devices of technical control . The next stage is measuring of colour characteristics of the original . I give review of scanning systems fit for executing of such work in this report . Analysis of tablet and drum scanners form various producers is given . Separate part of report is dedicated to alterations of geometric characteristics by scanning of the originals of low density , recommendations and formulas for counting of geometric errors are given . Particular attention is paid to problems of color separation and color correction , recommendations for setting and regulating of gradational characteristics . Proposed technology of reproduction of the ancient maps and atlases differ from traditional technologies , but it lets to receive copies most approximate to originals .