

Foreword

This volume is the proceedings of “The Twentieth Symposium on Coordinated Observations of the Ionosphere and the Magnetosphere in the Polar Regions” which was held at the National Institute of Polar Research (NIPR) on November 19–20, 1996. The NIPR annual symposium is devoted to discuss significant scientific results of studies on the ionosphere and the magnetosphere in the polar regions. The twentieth symposium consisted of following eight sessions: 1) Mesosphere, thermosphere, and ionosphere, 2) Experiment and simulation, 3) SuperDARN and EISCAT radar, 4) Polar cusp and polar cap, 5) Aurora, 6) Electromagnetic waves, 7) Solar wind and magnetosphere, and 8) Geomagnetic conjugate observations.

The present volume contains 12 refereed scientific papers. In addition, 8 extended abstracts are included. They are the outcomes from 48 individual contributions presented at the symposium. It is hoped that this will be valuable to those who are interested in the ionospheric and magnetospheric physics in the polar regions and also to those who are concerned with Antarctic research activities.

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