

Foreword

This volume is the proceedings of “The Sixteenth 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 December 15–16, 1992. The NIPR annual symposia are devoted to discussing significant scientific results of studies on the ionosphere and the magnetosphere in the polar regions. The sixteenth symposium consisted of following ten oral and poster sessions: 1) HF waves, 2) VLF waves, 3) ULF waves, 4) Substorm and related phenomena, 5) Magnetosphere-ionosphere coupling, 6) Heliosphere, magnetosphere boundary, 7) Geomagnetic storms, 8) Aurora and related phenomena, 9) Polar patrol balloon observations and 10) Future plans.

The present volume contains 8 selected scientific papers among 70 individual contributions presented at the symposium. It is hoped that this Proceedings of the NIPR Symposium on Upper Atmosphere Physics will be valuable to those who are interested in the ionospheric and magnetospheric phenomena in the polar regions and also to those who are concerned with Antarctic research activities.

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