

Foreword

This volume is the proceedings of “The Fourteenth 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 January 22–23rd, 1991. The NIPR annual symposia are devoted to discussing significant scientific results of studies on the ionosphere and the magnetosphere in the polar regions. The fourteenth symposium consisted of following twelfth oral and poster sessions: 1) Ionospheric and magnetospheric structure, 2) Disturbances in the ionosphere, 3) Aurora and related phenomena, 4) Magnetosphere-ionosphere coupling, 5) Polar cap and cusp phenomena, 6) Plasma wave phenomena, 7) ULF wave phenomena, 8) VLF wave phenomena, 9) Wave phenomena in the middle atmosphere, 10) Solar activity and magnetic storm, 11) Middle atmosphere, 12) Future program.

The present volume contains 10 selected scientific papers among 69 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.

Editorial Board of This Volume
Editor-in-Chief: Hisao YAMAGISHI
Editors: Masaki EJIRI
Takeo HIRASAWA
Susumu KOKUBUN
Natsuo SATO