

the reviews provided a representative cross-section of scientific opinion on these interim publications.

Chapters 2 to 5 of this report summarize the current state-of-the-art of the application of operational atmospheric long range transport models with particular reference to eastern North America. They trace the modeling sequence from emissions through atmospheric transport, dispersion and chemical transformations to deposition on the earth's surface. Chapter 6 deals with the monitoring data which form the basis for model development and testing. Chapters 7 and 8 provide an overview of the current models, and their limitations and applications, focussing primarily on sulfur. Chapters 9 and 10 address other major pollutants which can be transported over long distances and the significance of local and mesoscale processes in the context of transboundary air pollution. Chapter 11 provides conclusions and recommendations concerning the "research modeling and monitoring elements of an agreement" as required by the Terms of Reference.

Since this Final Report is intended as a general reference for the use of non-scientists as well as scientists, an attempt has been made to avoid technical complexity and a Glossary of Terms is included. The detailed analyses which form the technical basis for this report will be found in the four Sub-Group Reports* which are being published simultaneously. Technical readers interested in specific sections are urged to refer to these companion documents.

* The four supporting technical papers are:
2F-A Atmospheric Sciences Subgroup Report
2F-M Regional Modeling Subgroup Report
2F-I Monitoring and Interpretation Subgroup Report
2F-L Local and Mesoscale Analysis Subgroup Report.