

visibility) will be discussed. Seasonal differences will be mentioned. The ways in which  $\text{SO}_2$  is converted into sulphuric acid, as opposed to other sulfate products, will be emphasized in all parts of the report.

It is known that nitrogen chemistry is more complex than sulphur chemistry, and that in many situations it is not first order. Additionally, other key species involved in nitrogen chemistry are often not being measured. This discussion will review the above issues, as well as the aspects mentioned above for sulfur. Finally, the possibility of crudely modeling nitrogen reactions, in a psuedo-first order way in existing Lagrangian models will be discussed.

2) Trends in precipitation composition and deposition

(J. Miller) What data sets are available which have not been discussed to date? Are the data sets reliable? Is there any way to relate trends, which these and newer sets of data may show, to estimates of past and present emissions of  $\text{SO}_2$ ; should the comparison even be made in view of the different spatial distribution of the sources, the different release heights of the  $\text{SO}_2$ , etc.

3) Deposition processes for sulphur and nitrogen compounds

(G. Van Volkenburg) Once atmospheric reactions have occurred, how does one measure and model the various