

pathways of deposition, both wet and dry? Are the mechanisms and amounts of deposition radically different because of seasonal changes? What is the role of changing meteorological conditions (e.g., mixing height, temperature, type of storm, amount of precipitation) and surface conditions (wet, snow-covered, vegetation-covered, etc.)? How valid are the parameterizations of deposition being used in models currently?

4) Global and western North American measurements of precipitation pH

(P. Summers) The strength of the assumption of "unpolluted" rain having a pH of 5.6 will be compared to recent global background measurements, and these measurements will be interpreted in light of current assumptions about residence times of acid precursor compounds and scavenging mechanisms for these compounds over oceans, coastal regions, and over land. Recent measurements from western North American will be examined thoroughly.