

Validation: The process of comparing results of a computer model with observations.

Vapor Pressure: The pressure exerted by molecules of a given vapor.

Variability: Changes or oscillations of a quantity in space or time.

Variance: A measure of variability. It is denoted by  $\sigma^2$  and defined as the mean-square deviation from the mean, that is, the mean of the squares of the differences between individual values of  $x$  and the mean value  $\bar{x}$ .

VOC: Volatile organic compounds. Used usually interchangeably with "reactive hydrocarbon".

Wet Deposition: Collectively, the processes by which materials are removed from the atmosphere and deposited at the surface of the earth by precipitation elements. The processes include in-cloud and below-cloud scavenging of both gaseous and particulate materials. Also, the amount of material so deposited. (Units:  $ML^{-2}T^{-1}$ .)