Distributions of Transmittance: Integral 400 – 600 nm

Figures 1 shows frequency distributions of atmospheric transmittance $T(t)$ for the integral 400 – 600 nm using data from the years 1990 - 2004. Transmittance is defined as ratio of observed irradiance to the expected clear sky value. A similar analysis for the integral 342.5 – 347.5 nm can be found in the main paper. Interpretation given for the 342.5 – 347.5 nm integral can also be applied to the 400 – 600 nm integral.

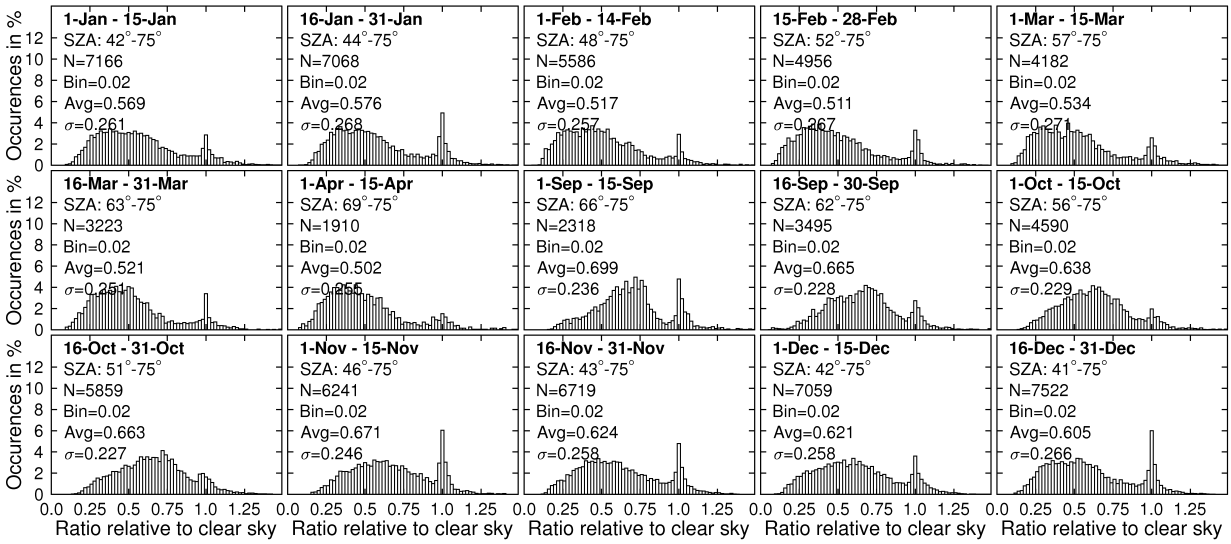

Figure 1: Frequency distributions of the ratio of spectral irradiance integrated over 400 – 600 nm to the associated clear sky irradiance calculated from measurements of the years 1990 - 2004. Each of the 15 plots refers to a different two-week period as indicated in the top left corner of each plot. SZA-range, number of data points N, width of the histogram columns (Bin), average (Avg), and standard deviation (σ) of the distributions are also indicated.