List of acronyms

ADA Aerosol Daily Anomaly.
ALB Albedo.
Alpha Ångström Exponent.
AOT Aerosol Optical Thickness.
BDM O3XS from Brion et al. (1998) and Malicet et al. (1995).
CF Cloud Fraction, fraction of the sky covered by clouds.
ESD Earth-Sun Distance.
ESFACT Earth-Sun Correction Factor $ESFACT = 1/ESD^2$.
ETS Extraterrestrial Spectrum.
MED Median.
MLS Microwave Limb Sounder, MLS is a microwave limb scanning instrument on-board the Earth Observing System Aura satellite.
MRD Mean Relative Difference [%].
O3XS Ozone Cross Sections.
OMI Ozone Monitoring Instrument.
OP Ozone Profile.
RAF Radiative Amplification Factor, $RAF_L$ for RAF derived from a linear law and $RAF_P$ for a RAF derived from a power-law.
**RD**  Relative Difference [%].

**RTUV**  Reunion-Tropospheric Ultraviolet Model.

**SAOZ**  Système d’Analyse par Observation Zénithal, SAOZ is a UV-visible spectrometer.

**SBUV**  Solar Backscatter Ultraviolet Instrument, SBUV is a series of nadir viewing instrument on-board NOAA satellites from 1979 to present days.

**SER**  O3XS from Serdyunchenko et al. (2014).

**SSA**  Single Scattering Albedo.

**STD**  Standard Deviation.

**SUR**  Surface Ultraviolet Radiation.

**SYNOP**  Hourly Observer Report.

**SZA**  Solar Zenith Angle.

**TNO2**  Total Nitrogen Dioxide Column.

**TO3**  Total Ozone Column.

**TP**  Temperature Profile.

**TUV**  Tropospheric Ultraviolet Model.

**UV-ALL**  UVI from Bentham Measurements with no filtering.

**UV-SWF**  UVI filtered with CF-SWF.

**UV-SYNOP**  UVI filtered with CF-SYNOP.