Abbreviations

AAO	Antarctic Oscillation
ACE-FTS	Atmospheric Chemistry Experiment - Fourier Transform Spectrometer (instrument)
AO	Arctic Oscillation
AOD	Aerosol Optical Depth
BASIC	BAyeSian Integrated and Consolidated (data set)
BESOS	Balloon Experiment on Standards for Ozone Sondes (campaign)
BM	Brewer-Mast ozonesonde (instrument)
BUV	Backscatter Ultraviolet Radiometer (instrument)
CCI	ESA's Climate Change Initiative
CCM	Chemistry-Climate Model
CCMI	Chemistry-Climate Model Initiative
CCMVal-2	Chemistry-Climate Model Validation Activity
CF	Correction Factor
CTM	Chemistry-Transport Model
DIAL	Differential Absorption Lidar (instrument)
DLM	Dynamic Linear Model (method)
DOFS	Degrees Of Freedom for Signal
ECC	Electrochemical Concentration Cell (instrument)
EESC	Equivalent Effective Stratospheric Chlorine
EHF	Eddy Heat Flux
EMD	Empirical Mode Decomposition (method)
ENSO	El Niño–Southern Oscillation
EnviSat	ENVIronmental SATellite
EOF	Empirical Orthogonal Function
EOS	Earth Observing System
ERA- Interim	European Center for Medium-Range Weather Forecast Re-Analysis (data set)
ERBS	Earth Radiation Budget Satellite
ESA	European Space Agency
FTIR	Fourier-Transform InfraRed spectrometer (instrument)
GAW	Global Atmosphere Watch (programme)
GCOS	Global Climate Observing System
GDR	German Democratic Republic
GHG	GreenHouse Gas
GISS	NASA Goddard Institute for Space Studies
GOMOS	Global Ozone Monitoring by Occultation of Stars (instrument)
GOZCARDS	Global OZone Chemistry And Related trace gas Data records for the Stratosphere (data set)
HALOE	HALogen Occultation Experiment (instrument)

HITRAN	HIgh Resolution TRANsmission (data set)
HMC	Hamiltonian Monte Carlo (method)
IGAC	International Global Atmospheric Chemistry
IGACO	Integrated Global Atmospheric Chemistry Observations
ILT	Independent Linear Trend
IMF	Intrinsic Mode Function (method)
IO3C	International Ozone Commission
JOSIE	Jülich Ozone Sonde Intercomparison Experiment (campaigns)
KC	Carbon iodine cell ozonesonde (instrument)
Lidar	LIght Detection And Ranging (instrument)
LOTUS	Long-term Ozone Trends and Uncertainties in the Stratosphere (research activity)
MC	Monte Carlo (method)
MCMC	Markov Chain Monte Carlo (method)
MERRA	Modern-Era Retrospective analysis for Research and Applications
MIPAS	Michelson Interferometer for Passive Atmospheric Sounding (instrument)
MLO	Mauna Loa Observatory
MLR	Multiple Linear Regression (method)
MLS	Microwave Limb Sounder (instrument)
MWR	MicroWave Radiometer (instrument)
MZM	Monthly Zonal Mean
NAM	Northern Annular Mode
NAO	North Atlantic Oscillation
NASA	National Aeronautics and Space Administration
NCEP	National Centers for Environmental Prediction
NDACC	Network for the Detection of Atmospheric Composition Change
NH	Northern Hemisphere
NOAA	National Oceanic and Atmospheric Administration
NOAA ESRL	NOAA Earth System Research Laboratory
O3S-DQA	OzoneSonde Data Quality Assessment (research activity)
OCTAV-UTLS	Observed Composition Trends And Variability in the Upper Troposphere and Lower Stratosphere (research activity)
ODS	Ozone Depleting Substance
OHP	Observatoire de Haute-Provence
OMPS-LP	Ozone Mapping and Profiler Suite (instrument) - Limb Profiler (technique)
OSIRIS	Optical Spectrograph and InfraRed Imaging System (instrument)
Ozone_cci	Ozone Climate Change Initiative (research activity)
PC	Principal Component
Post-2000	January 2000 – December 2016 (or end of data record)
Pre-1997	January 1985 – December 1996
PWLT	Piecewise Linear Trend
QBO	Quasi-Biennial Oscillation
SABER	Sounding of the Atmosphere using Broadband Emission Radiometry (instrument)

SAGE II, III	Stratospheric Aerosol and Gas Experiment II and III (instruments)
SAM	Southern Annular Mode
SBUV, SBUV 2	Solar Backscatter Ultraviolet Radiometer (instrument)
SBUV MOD	SBUV Merged Ozone Data Set (data set)
SBUV COH	SBUV Cohesive (data set)
SCIAMACHY	SCanning Imaging Absorption spectroMeter for Atmospheric CHartographY (instrument)
SCISAT	SCIence SATellite (instrument)
SFIT2, SFIT 4	Spectral Fitting Algoritm version 2, version 4
SH	Southern Hemisphere
SHADOZ	Southern Hemisphere ADditional OZonesondes (network)
SI2N	SPARC/IO3C/IGACO/NDACC initiative
SMM	Station Monthly Mean
SMMa	Station Monthly Mean anomaly
SMO	SAGE II - MIPAS - OMPS-LP (data set)
SOO	SAGE II - OSIRIS - OMPS-LP (data set)
SPARC	Stratosphere-troposphere Processes And their Role in Climate
SSC	Station Seasonal Cycle
SST	Sea Surface Temperature
STS	Simultaneous Temporal and Spatial (regression method)
Suomi-NPP	Suomi National Polar-orbiting Partnership
SVD	Singular Value Decomposition (method)
SWOOSH	Stratospheric Water and OzOne Satellite Homogenized (data set)
SZA	Solar Zenith Angle
TUNER	Towards Unified Error Reporting (research activity)
UARS	Upper Air Research Satellite
UMK04	Umkehr ozone retrieval version of 2004 (algorithm)
UNEP	United Nations Environment Programme
USask 2D	University of Saskatchewan OMPS-LP 2D data set (algorithm)
UTLS	Upper Troposphere Lower Stratosphere
UV	UltraViolet
VMR	Volume Mixing Ratio
WMO	World Meteorological Organization
WOUDC	World Ozone and Ultraviolet Radiation Data Centre
WT	Wavelet Transform (method)
ZMMa	Zonal Monthly Mean anomaly