

Table des abréviations et acronymes

4D-VAR	Four Dimensional Variational method
ACE	Atmospheric Chemistry Experiment
ACP	Atmospheric Chemistry and Physics journal
ACVE	Atmospheric Chemistry Validation of Envisat workshop
AFGL	Air Force Geophysics Laboratory
AK	Averaging Kernel
AMT	Atmospheric Measurement Techniques journal
ATBD	Algorithm Theoretical Basis Document
AWI	Alfred-Wegener-Institut für Polar- und Meeresforschung (DE)
BASCOE	Belgian Assimilation System of Chemical Observations from Envisat
BUV	Backscatter Ultraviolet
Cal/Val	Calibration and Validation
CEOS	Committee on Earth Observation Satellites
CFC	Chlorofluorocarbon
CHEOPS-GOME	Climatology of Height-resolved Earth Ozone and Profiling Systems for GOME
CHMI	Czech Hydrometeorological Institute (CZ)
CINAMON	Characterisation, Interpretation, Application and Maturation of Envisat data
CIRA	COSPAR International Reference Atmosphere
CLAES	Cryogenic Limb Array Etalon Spectrometer
CNES	Centre National d'Etudes Spatiales
CNRS	Centre National de la Recherche Scientifique (FR)
COSPAR	Committee On Space Research
CQD	Centred Quartile Distance
CRISTA	CRyogenic Infrared Spectrometers and Telescopes for the Atmosphere
CRPSM	Centro di Ricerca Progetto San Marco - University of Roma (IT)
DEA	Diplôme d'Etudes Approfondies
DFS	Degree of Freedom of the Signal
DIAL	Differential Absorption Lidar
DISORT	Discrete Ordinate Radiative Transfer model
DLR	Deutsches Zentrum für Luft- und Raumfahrt (DE)
DMI	Danish Meteorological Institute (DK)
DOAS	Differential Optical Absorption Spectroscopy

DORIS	Doppler Orbitography by Radiopositioning Integrated on Satellite
DU	Dobson Unit
DWD	Deutscher Wetterdienst (DE)
EC	European Commission
ECC	Electrochemical Cell
ECMWF	European Centre for Medium-Range Weather Forecasts
ECV	Essential Climate Variable
EnSci	Environmental Science Corporation
ENSO	El niño Southern Oscillation
Envisat	ESA ENVIronmental SATellite
EOS-Aura	Earth Observing System - Aura platform
ERA-40	A Forty-Year European Re-Analysis
ERBS	Earth Radiation Budget Satellite
ERS	European Remote Sensing satellites
ESA	European Space Agency
ESABC	ENVISAT Stratospheric Aircraft and Balloon Campaigns
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
EUROSOLVE	Improved understanding of stratospheric ozone loss by collaboration with the SAGE III ozone loss and validation experiment
FMI	Finnish Meteorological Institute (FI)
FP6	Sixth Framework Programme of the European Commission
FRESCO	Fast Retrieval Scheme for Cloud Observables
FTIR	Fourier Transform Infrared spectrometer
FTS	Fourier Transform Spectrometer
FWHM	Full Width at Half Maximum
FY-3	FengYun 3 chinese satellites
FZK-IMK	Forschungszentrum Karlsruhe - Institut für Meteorologie und Klimaforschung (DE)
GAS	GMES Atmosphere Service
GAW	Global Atmospheric Watch
GBMCD	Ground-Based Measurements and Campaign Database
GCOS	Global Climate Observing System
GEO	Group on Earth Observations
Geo-fit	Retrieval analysis of a complete orbit into a simultaneous fit
GEOMON	Global Earth Observation and Monitoring of the atmosphere
GEOSS	Global Earth Observation System of Systems
GMES	Global Monitoring for Environment and Security
GMTR	Geo-fit MultiTarget Retrieval model
GOME	Global Ozone Monitoring Experiment
GOMOS	Global Ozone Monitoring by Occultation of Stars
GOPRWG	GOME Ozone Profile Retrieval Working Group
HALOE	Halogen Occultation Experiment
HFC	Hydrofluorocarbon
HITRAN	High-resolution TRANsmission molecular absorption database

IASB-BIRA	Institut d'Aeronomie Spatiale de Belgique - Belgisch Instituut voor Ruimte Aëronomie
IASI	Interféromètre Atmosphérique de Sondage Infrarouge
IFAC	Istituto di Fisica Applicata "Nello Carrara" (IT)
IFOV	Instantaneous Field of View
IGACO	Integrated Global Atmospheric Chemistry Observation strategy
IMGW	Instytut Meteorologii i Gospodarki Wodnej (Institut of Meteorology and Water Management, PL)
INPE	Instituto Nacional de Pesquisas Espaciais (BR)
INSPIRE	Infrastructure for Spatial Information in Europe
INTA	Instituto Nacional de Técnica Aeroespacial (ES)
IPCC/GIEC	Intergovernmental Panel on Climate Change / Groupe d'experts intergouvernemental sur l'évolution du climat
IPF	Instrument Processing Facility
IR	Infrared
IRM-KMI	Institut royal météorologique de Belgique - Belgisch Koninklijk Meteorologisch Instituut (BE)
ITCZ	Inter-Tropical Convergence Zone
IUP Bremen	Institut für Umweltp Physik - Universität Bremen (DE)
JAXA	Japan Aerospace Exploration Agency (JP)
JGR	Journal of Geophysical Research
JMA	Japan Meteorological Agency (JP)
JOSIE	Jülich Ozone Sonde Intercomparison Experiment
JPL	NASA Jet Propulsion Laboratory (US)
KNMI	Koninklijk Nederlands Meteorologisch Instituut (NL)
KOPRA	Karlsruhe Optimized and Precise Radiative transfer Algorithm
Lidar	Light Detection and Ranging
LIDORT	Linearized Discrete Ordinate Radiative Transfer
LOS	Line of Sight
LRZ	Leibniz Rechenzentrum (DE)
LTE	Local Thermodynamic Equilibrium
MACC	Monitoring Atmospheric Composition and Climate
MAESTRO	Measurements of Aerosol Extinction in the Stratosphere and Troposphere Retrieved by Occultation
MASI	Model Assimilation and Satellite Intercomparison
MCH	MeteoSchweiz - MétéoSuisse (CH)
ME	Met Éireann - The Irish Meteorological Service (IR)
MetOp	METEorological Operational satellites
MIPAS	Michelson Interferometer for Passive Atmospheric Sounding
MLS	Microwave Limb Sounder
MSC	Meteorological Service of Canada (CA)
Multi-TASTE	Technical Assistance to ESA and Third Party Missions validation
MW	Microwave
MW	Microwindow
NAO	Northern Atlantic Oscillation

NASA	National Aeronautics and Space Administration (US)
NAT	Nitric Acid Trihydrate
NDACC	Network for the Detection of Atmospheric Composition Change
NH	Northern Hemisphere
NIES	National Institute for Environmental Studies (CA)
NILU	Norwegian Institute for Air Research (NO)
NIMBUS	Series of american meteorological satellites
NIWA	National Institute of Water and Atmospheric research (NZ)
NNORSY	Neural Network Ozone Retrieval SYstem
NOAA	National Oceanic and Atmospheric Administration (US)
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NRT	Near Real Time
NSIDC	National Snow and Ice Data Center
NSMC	National Satellite Meteorological Center (CN)
O3M-SAF	Ozone and Atmospheric Chemistry Monitoring - Satellite Application Facility
OE	Optimal Estimation
OFL	Off-Line
OMI	Ozone Monitoring Instrument
OMPS	Ozone Mapping and Profiler Suite
OPERA	Ozone Profile Retrieval Algorithm
PFC	Perfluorocarbon
PMD	Polarization Measurement Device
POAM	Polar Ozone and Aerosol Measurement instruments
PRODEX	PROgramme de Développement d'EXpériences scientifiques
PROMOTE	PROtocol MOniToring for the GMES Service Element : Atmosphere
PSC	Polar Stratospheric Clouds
PTR	Phillips-Tikhonov Regularization
QA4EO	Quality Assurance framework for Earth Observation
QBO	Quasi Biennial Oscillation
QWG	Quality Working Group
RIVM	Rijksinstituut voor Volksgezondheid en Milieu (NL)
SAGE	Stratospheric Aerosol and Gas Experiment
SAO	Semi-Annual Oscillation
SAWS	South African Weather Service (ZA)
SBUS	Solar Backscatter Ultraviolet Sounder
SBUV	Solar Backscatter Ultraviolet Instrument
SCD	Slant Column Density
SCIAMACHY	SCanning Imaging Absorption spectroMeter for Atmospheric Cartography
SCISAT	Canadian scientific satellite
SECPEA	Space-based Exploration of the Chemistry and Physics of the Earth's Atmosphere
SESAME	Second European Stratospheric Arctic and Mid-latitude Experiment
SH	Southern Hemisphere

SHADOZ	Southern Hemisphere Additional Ozonesondes
SNR	Signal to Noise Ratio
SOLVE	SAGE III Ozone Loss and Validation Experiment
SPARC	Stratospheric Processes And their Role in Climate
SPC	Science Pump Corporation
SPE	Solar Proton Event
SPOT	Satellite Pour l'Observation de la Terre
SRON	Space Research Organisation of the Netherlands (NL)
SSBUV	Shuttle Solar Backscatter Ultraviolet instrument
SZA	Solar Zenith Angle
TASTE	Technical Assistance to Envisat Validation by Spectrometers, Radiometers and Sondes
TEMIS	Tropospheric Emission Monitoring Internet Service
TES	Tropospheric Emission Spectrometer
THESEO	Third European Stratospheric Experiment on Ozone
TOA	Top Of Atmosphere
TOMS	Total Ozone Mapping Spectrometer
TOU	Total Ozone Unit
UARS	Upper Atmosphere Research Satellite
ULB	Université Libre de Bruxelles
ULg	Université de Liège
UN	United Nations
UNEP/PNUE	United Nations Environment Programme / Programme des Nations Unies pour l'Environnement
UNFCCC	United Nations Framework Convention on Climate Change / Convention-Cadre des Nations Unies sur le Changement Climatique
URAP	UARS Reference Atmosphere Project
UTC	Temps universel coordonné
UTLS	Upper Troposphere Lower Stratosphere
UV	Ultraviolet
VINTERSOL	Validation of INTERNATIONAL Satellites and study of Ozone Loss
VIS	Visible
VMR	Volume Mixing Ratio
WCRP	World Climate Research Programme
WMO/OMM	World Meteorological Organisation / Organisation Meteorologique Mondiale
WOUDC	World Ozone and Ultraviolet Radiation Data Centre
WP	Workpackage
ZSW	Zentrum für Sonnenenergie und Wasserstoff-Forschung (DE)

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