

## V. NDACC-Related Acronyms

AEMET	Agencia Estatal de Meteorología (Spain)
AERONET	Aerosol Robotic Network
AGAGE	Advanced Global Atmospheric Gases Experiment
ALOMAR	Arctic Lidar Observatory for Middle Atmospheric Research (Norway)
AOD	Aerosol Optical Depth
AOPC	Atmospheric Observations Panel for Climate
ARM	Atmospheric Radiation Measurements Program (Department of Energy (United States))
ARR	Andoya Rocket Range
AWI	Alfred Wegener Institute , Helmholtz Centre for Polar and Marine Research (Germany)
BAS	British Antarctic Survey
BIRA-IASB	Belgian Institute for Space Aeronomy
BOKU-Met	University of Natural Resources and Applied Life Sciences, Institute of Meteorology (Austria)
BOM	Bureau of Meteorology (Australia)
BSRN	Baseline Surface Radiation Network
CAO	Central Aerological Observatory (Russia)
CEILAP	Laser and Applications Research Center, Buenos Aires (Argentina)
CFCs	Chlorofluorocarbons
CHMI	Czech Hydrometeorological Institute (Czech Republic)
CNES	Centre National d'Etudes Spatiales (France)
CNR	Consiglio Nazionale delle Ricerche (Italy)
CNRS	Centre National de Recherche Scientifique (France)
CSIRO	Commonwealth Scientific and Industrial Research Organization (Australia)
DIAL	Differential Absorption Lidar
DMI	Danish Meteorological Institute
DMT	Droplet Measurement Technologies (Boulder, CO USA)
DWD	Deutscher Wetterdienst (German National Meteorological Service)
EASOE	European Arctic Stratospheric Ozone Expedition
EC	Environment Canada
ECC	Electrochemical Concentration Cell (relates to ozonesondes)
ENEA	Ente Nazionale Energie Alternative (Italy)
EOS	Earth Observing System
ESA	European Space Agency
ESRIN	European Space Research Institute
ESRL	Earth System Research Laboratory (NOAA, United States)
FMI	Finnish Meteorological Institute
FTIR	Fourier Transform Infrared
FTS	Fourier Transform Spectroscopy (Spectrometer)
GAW	Global Atmosphere Watch Programme of WMO
GCOS	Global Climate Observing System
GEWEX	Global Energy and Water Experiment

GMD	Global Monitoring Division (NOAA – United States)
GRUAN	GCOS Reference Upper Air Network
GSFC	Goddard Space Flight Center (NASA, United States)
GSMA	Groupe de Spectrométrie Moléculaire et Atmosphérique (France)
HATS	Halocarbon and other Atmospheric Trace Species Network
HCFCs	Hydrochlorofluorocarbons
HFCs	Hydrofluorocarbons
IAP	Institute of Atmospheric Physics (Moscow, Russia)
IASB-BIRA	Institut d’Aéronomie Spatiale de Belgique (Belgium)
IMGW-PIB	Institute of Meteorology and Water Management (Poland)
IMK-IFU	Institut für Meteorologie und Klimaforschung (Institute of Meteorology and Climate Research, Forschungszentrum Karlsruhe, Germany)
INGV	Istituto Nazionale di Geofisica e Vulcanologia (Italy)
INSU	Institut National des Sciences de l’Univers (France)
INTA	Instituto Nacional de Técnica Aeroespacial (Spain)
IPSL	Institut Pierre-Simon Laplace (France)
IRF	Institut für Rumdfysik (Institute of Space Physics, Sweden)
IRSA	Equipe Interactions Rayonnement Solaire Atmosphère, Université Joseph Fourier (Grenoble, France)
ISAC-CNR	Instituto di Scienze dell’Atmosfera e del Clima-Consiglio Nazionale delle Ricerche (Italy)
ISEE	Institute for Space-Earth Environmental Research, Nagoya University (Japan)
JPL	Jet Propulsion Laboratory (NASA, United States)
KNMI	Royal Netherlands Meteorological Institute
KNU	Kyrgyz National University (Kyrgyz Republic)
LaRC	Langley Research Center (NASA, United States)
LATMOS	Laboratoire Atmosphères, Milieux, Observation Spatiales (France)
LOAL	Laboratoire d’Optique Atmosphérique, Université Lille (France)
MAXDOAS	Multi Axis Differential Optical Absorption Spectroscopy
ME	Met Éireann (The Irish Meteorological Service)
MeteoSwiss	Federal Office of Meteorology and Climatology (Switzerland)
MIT	Massachusetts Institute of Technology (United States)
MPIC	Max-Planck-Institut für Chemie, (Germany)
MPLNET	Micro Pulse Lidar Network
MRI	Meteorological Research Institute (Japan)
NASA	National Aeronautics and Space Administration (United States)
NCAR	National Center for Atmospheric Research (United States)
NCEP	National Center for Environmental Prediction (NOAA, United States)
NDACC	Network for the Detection of Atmospheric Composition Change
NESDIS	NOAA National Environmental Satellite, Data, and Information Service
NH	Northern Hemisphere
NIES	National Institute for Environmental Studies (Japan)
NILU	Norwegian Institute for Air Research
NIWA	National Institute of Water and Atmospheric Research Ltd. (New Zealand)
NOAA	National Oceanographic and Atmospheric Administration (United States)
NPL	National Physical Laboratory (United Kingdom)

NRL	Naval Research Laboratory (United States)
OHP	Observatoire Haute Provence (France)
OMP	Observatoire Midi-Pyrénées (France)
OPD	Optical Path Difference
OSO	Onsala Space Observatory (Sweden)
PI	Principal Investigator
POLARIS	Photochemistry of Ozone Loss in the Arctic Region in Summer
RIVM	Rijksinstituut voor Volksgezondheid en Milieu (National Institute for Public Health and the Environment, The Netherlands)
RMIB	Royal Meteorological Institute of Belgium
SAOZ	Systeme d'Analyse par Observaton Zenithale
SESAME	Second European Stratospheric Arctic and Mid-Latitude Experiment
SH	Southern Hemisphere
SHADOZ	Southern Hemisphere Additional Ozonesondes Network
SPbU	Saint Petersburg University (Russia)
SRI	SRI International (United States)
SSAI	Science Systems and Applications, Inc. (United States)
STEL	Solar Terrestrial Environment Laboratory, Nagoya University (Japan)
SUNY	State University of New York (United States)
SWU	Sookmyung Women's University (South Korea)
TCCON	Total Carbon Column Observing Network
TMF	Table Mountain Facility (JPL, United States)
UJF	Université Joseph-Fourier, Grenoble (France)
UNAM	Universidad Nacional Autonoma de Mexico
UNESP	Universidade Estadual Paulista (Brazil)
USRA/GESTAR	Universities Space Research Association / Goddard Earth Sciences Technology and Research (United States)
UV	Ultra Violet
WCRP	World Climate Research Program
WFF	Wallops Flight Facility (NASA, United States)
WMO	World Meteorological Organization
WRMC	World Radiation Monitoring Center (Germany)
WVMS	Water Vapor Microwave Spectrometer