

### Glossary of acronyms

AAI: Absorbing Aerosol Index

AI: Aerosol Index

AIRS: Atmospheric Infrared Sounder

ASTER: Advanced Spaceborne Thermal Emission and Reflection Radiometer

AVHRR: Advanced Very High Resolution Radiometer

BTD: Brightness Temperature Difference

CALIOP: Cloud-Aerosol Lidar with Orthogonal Polarization

CALIPSO: Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations

CPR: Cloud Profiling Radar

DLR: Deutsches Zentrum für Luft- und Raumfahrt

DMSP: Defense Meteorological Satellite Program

DOAS: Differential Optical Absorption Spectroscopy

ESA: European Space Agency

FMI: Finnish Meteorological Institute

FTIR: Fourier-Transform Infrared

GOES: Geostationary Operational Environmental Satellite

GOME: Global Ozone Monitoring Experiment

GSFC: Goddard Space Flight Center

HIRS: High resolution Infrared Radiation Sounder

IASI: Infrared Atmospheric Sounding Interferometer

IR: Infrared

JAXA: Japan Aerospace Exploration Agency

JPSS: Joint Polar Satellite System

L1B: Level 1B

L2: Level 2

L3: Level 3

MISR: Multi-angle Imaging Spectroradiometer

MLS: Microwave Limb Sounder

MSG: Meteosat Second Generation

MODIS: Moderate Resolution Imaging Spectroradiometer

MTSAT: Multifunctional Transport Satellites

NASA: National Aeronautical and Space Administration

NOAA: National Oceanic and Atmospheric Administration

NPOESS: National Polar-orbiting Operational Environmental Satellite System

NPP: NPOESS Preparatory Project

OCO: Orbiting Carbon Observatory

OMI: Ozone Monitoring Instrument

OMPS: Ozone Mapping and Profiler Suite

POES: Polar Operational Environmental Satellite

SCIAMACHY: Scanning Imaging Absorption Spectrometer for Atmospheric Cartography

SEVIRI: Spinning Enhanced Visible and Infrared Imager

UV: Ultraviolet

VAAC: Volcanic Ash Advisory Center

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