

Glossary, Acronyms, Symbols, and Abbreviations

APPENDIX C

3-D	Three-dimensional
AERONET	Aerosol RObotic NETwork
Ag	Agricultural
AgRISTARS	Agriculture and Resources Inventory Surveys through Aerospace Remote Sensing
AGRMET	Agricultural Meteorological Model
AOD	Aerosol Optical Depth
AOT	Aerosol Optical Thickness
AQS	Air Quality System
ASOS	Automated Surface Observation Stations
ASTER	Advanced Space-borne Thermal Emission and Reflection Radiometer
AVHRR	Advanced Very High Resolution Radiometer
AWARDS	Agricultural Water Resources Decision Support
BELD3	Biogenic Emissions Land Use Database Version 3
CADRE	Crop Condition Data Retrieval and Evaluation System
CADSWES	Center for Advanced Decision Support for Water and Environmental Systems
CALIPSO	Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observation
CCM	Community Climate Model
CCM3	NCAR Community Climate Model
CCSP	Climate Change Science Program
CDC	Disease Control and Prevention
CENR	Committee on Environment and Natural Resources Research
CFC	Chlorofluorocarbons
CM2	Climate Model 2
CMAQ	Community Multiscale Air Quality
CMAS	Community Modeling and Analysis System
COTS	Commercial Off-the-Shelf
DEM	Digital Elevation Models
DLR	German Aerospace Center (DLR) (German: Deutsches Zentrum für Luft- und Raumfahrt e.V.)
DSS	Decision-Support System
DSSPL	Decision-Support System to Prevent Lyme Disease
DST	Decision Support Tool
ENSO	El Nino-Southern Oscillation
EOS	Earth Observing System
EPA	Environmental Protection Agency
EROS	Earth Resources Observation Systems
ESRI	Environmental Science and Research Institute
ESRL	Earth Systems Research Laboratory
ESSL	Earth and Sun Systems Laboratory
ET	Evapotranspiration
FAS	Foreign Agricultural Service
GACP	Global Aerosol Climatology Project
GADS	Global Aerosol Dataset
GCM	Global Climate Model
GCTM	Global Chemistry Transport Models
GEO	Group on Earth Observations
GEOS	Goddard Earth Observing System
GEOS-Chem	Goddard Earth Observing System-Chemistry
GEOSS	Global Earth Observations System of Systems
GFDL	Geophysical Fluid Dynamics Laboratory
GhTOC	Hourly Total Ozone Column

GIMMS	Global Inventory Modeling and Mapping Studies
GIS	Geographic Information System
GISS	Goddard Institute for Space Studies
GMAO	Global Modeling and Assimilation Office
GOCART	Global Ozone Chemistry Aerosol Transport
GOES	Geostationary Environmental Operational Satellite
GPM	Global Precipitation Mission
GRACE	Gravity Recovery and Climate Experiment
GsT	Geospatial Toolkit
GTCM	Global Tropospheric Chemistry Model
GUI	Graphical User Interface
HIV	Human Immunodeficiency Virus
HOMER	Hybrid Optimization Model for Electric Renewables
HSPF	Hydrological Simulation Program – Fortran
Int'l	International
IPCC	Intergovernmental Panel on Climate Change
ISH	Integrated Surface Hourly
KAMM	Karlsruhe Atmospheric Mesoscale Model
km	Kilometer
LACIE	Large Area Crop Inventory Experiment
Landsat	Land Remote-Sensing Satellite
m	Meter
MISR	Multi-Angle Imaging Spectroradiometer
MM5	Mesoscale Model Version 5
MMS	Modular Modeling System
MODIS	Moderate Resolution Imaging Spectroradiometer
MOZART	Model of Ozone and Related Chemical Tracers
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center
NCEP	National Centers for Environmental Prediction
NEP	Net Ecosystem Productivity
NOAA	National Oceanic and Atmospheric Administration
NPOESS	National Polar-Orbiting Operational Environmental Satellite
NRC	National Research Council
NREL	National Renewable Energy Laboratory
NSTC	National Science and Technology Council
OCO	Orbiting Carbon Observatory
OMI	Ozone Monitoring Instrument
PAN	Peroxyacetyl Nitrate
PECAD	Production Estimate and Crop Assessment Division
PNNL	Pacific Northwest National Laboratory
PRMS	Precipitation Runoff Modeling System
Quikscat	Quick Scatterometer
RCM	Regional Climate Model
SAP	Synthesis and Assessment Product
SARS	Severe Acute Respiratory Syndrome
SLEUTH	Slope, Land Cover, Exclusions, Urban Areas, Transportation, Hydrologic
SPOT	Systeme Pour L'Observation de la Terre
SPOT-VEG	Systeme Pour L'Observation de la Terre-Vegetation
SRES	Special Report on Emissions Scenarios
SRTM	Shuttle Radar Topology Mission
SSE	Surface Meteorology and Solar Energy
SSE	Surface Meteorology and Solar Energy
SSM/I	Special Sensor Microwave/Imager

SSMR	Scanning Multichannel Microwave Radiometer
STAR	Science to Achieve Results
STEM	Sulfur Transport Eulerian Model
SWAT	Soil and Water Assessment Tool
SWERA	Solar and Wind Energy Resource Assessment
TOC	Total Ozone Content
TOMS	Total Ozone Mapping Spectrometer
TRMM	Tropical Rainfall Mapping Mission
U.S.	United States
UIUC	Unknown Sent email to Daewon
USDA	Department of Agriculture
USGS	United States Geological Survey
VIC	Variable Infiltration Capacity
WAsP	Wind Atlas Analysis and Application Program
WRAMS	Wind Resource Assessment Mapping System
WRDC	World Radiation Data Centre
WRF	Weather Research and Forecasting
WRF-Chem	Weather Research and Forecasting-Chemistry

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