CMAQ Operational Guidance document

Acronyms

Table

Acronym	Description
AE	Aerosol chemistry phase
AIRS	Aerometric Information Retrieval System
AQ	Aqueous Chemistry Phase
ASCII	American Standard Code for Information Interchange
BC	Boundary Condition
BCON	Boundary Conditions Processor
BEIS3	Biogenic Emissions Inventory System
CB-IV	Carbon Bond version 4
CB05	Carbon Bond 2005
CB6	Carbon Bond version 6
CCTM	CMAQ Chemistry-Transport Model
CEMPD	Center for Environmental Modeling for Policy Development
CMAS	Community Modeling and Analysis System

CMAQ	Community Multi-Scale Air Quality model
CO	Carbon Monoxide
CPU	Central Processing Unit of a computer
CSQY	Cross Section and Quantum Yield
CTM	Chemistry-Transport Model
CVS	Concurrent Versions System
EBI	Euler Backward Iterative chemistry solver
EPA	Environmental Protection Agency
FAQ	Frequently Asked Question
FTP	File Transport Protocol
GB	Gigabyte
GIS	Geographic Information System
GMT	Greenwich Mean Time
GPL	Gnu General Public License
GUI	Graphical User Interface
HTML	HyperText Markup Language
HYSPLIT	Hybrid Single-Particle Lagrangian Integrated Trajectory model
I/O API	Input/Output Application Programming Interface
IC	Initial Concentration
ICON	Initial Conditions Processor
IDA	Inventory Data Analyzer
IE	Institute for the Environment
IPR	Integrated Process Rate
IRR	Integrated Reaction Rate

IRR/MB	Integrated Reaction Rates/Mass Balance Analysis
JPROC	Photolysis Rate Processor
MCIP	Meteorology-Chemistry Interface Processor
MECH	Chemical Mechanism Reader
MEPSE	Major Elevated Point Source Emission
MM5	Fifth-Generation Penn State/NCAR Mesoscale Model
MP	Mechanism Processor
NAAQS	National Ambient Air Quality Standards
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NET	National Emission Trends
netCDF	network Common Data Form
NO_x	Oxides of Nitrogen
NOAA	National Oceanic and Atmospheric Administration
NR	Non-Reactive
NWS	National Weather Service
PACP	Process Analysis Control Process
PAVE	Package for Analysis and Visualization of Environmental Data
PBL	Planetary Boundary Layer
PC	Personal Computer
PM2.5	Particulate matter up to 2.5 microns
PM10	Particulate matter up to 10 microns
PPM	Piecewise Parabolic Method

ppm	Parts per million (by weight)
ppmV	Parts per million (by volume)
PROCAN	Process Analysis Processor
QC	Quality Control
RADM	Regional Acid Deposition Model
SAPRC-99	State Air Pollution Research Center mechanism, version 1999
SAPRC-07	State Air Pollution Research Center mechanism, version 2007
SAS	Statistical Analysis System
SCC	Source Classification Code
SCCS	Source Code Control System
SMVGEAR	Sparse Matrix Vectorized Gear
SO_2	Sulfur Dioxide
SPC	Species
TOMS	Total Ozone Mapping Spectrometer
TR	Tracer
UAM	Urban Airshed Model
UNC	University of North Carolina
UTC	Universal Time Coordinate
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compounds
WRF	Weather Research and Forecasting model
WRF-ARW	Weather Research and Forecasting model – Advanced Research WRF

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