

NCAR Acronyms

3V-CPI	Three-view cloud particle imager	CCSM	Community Climate System Model
ACD	Atmospheric Chemistry Division	CDP	Community Data Portal
ACME	Airborne Carbon in the Mountains Experiment	CHATS	Canopy Horizontal Array Turbulence Study
ACOS	Advanced Coronal Observing System	CIMS	Chemical ionization mass spectrometer
AFWA	Air Force Weather Agency	CIRES	Cooperative Institute for Research in Environmental Sciences
AHW	Advanced Hurricane WRF	CISL	Computational and Information Systems Laboratory
AIMES	Analysis, Integration and Modeling of the Earth System	CISM	Center for Integrated Spaceweather Modeling
AMPS	Antarctic Mesoscale Prediction System	CLIMODE	CLIVar MOde water Dynamics Experiment
AOC	Aircraft Operations Center	CLIOTOP	Climate Impacts on Oceanic Top Predators
ARW	Advanced Research WRF	CMA	China Meteorological Administration
ASP	Advanced Study Program	CME	coronal mass ejection
AVAPS	Airborne Vertical Atmospheric Profiling System	CMIT	Coupled Magnetosphere Ionosphere Thermosphere
AWAS	Advanced Whole Air Sampler	CMMAP	Center for Multi-scale Modeling for Atmospheric Processes
AwwaRF	American Water Works Research Foundation	CO	Carbon monoxide
BEACHON	Bio-hydro-atmosphere interactions of Energy, Aerosols, Carbon, Water, Organics and Nitrogen	CoMP	Coronal Multichannel Polarimeter
CAM	Community Atmospheric Model	COSMIC	Constellation Observing System for Meteorology, Ionosphere and Climate
CAMS	Compact Atmospheric Multi-species Spectrometer	COSMO	Coronal Solar Magnetism Observatory
CAPRIS	Airborne Platform Remote-Sensing Interdisciplinary Suite	CPTEC	Centro de Investigaciones del Mar y la Atmosfera
CCB	Center for Capacity Building		
CCEIR	<i>Connecting Communities: Climate & Ecosystem Impact Research</i>		

NCAR Acronyms

CSI	Cyberinfrastructure Strategic Initiative	GO-ESSP	Global Organization for Earth System Science Portal
DA	Data Assimilation	GPFS-WAN	Global Parallel File System-Wide Area Network
DATC	Data Assimilation Testbed Center	GPS	Global Positioning System
DFG	Difference Frequency Generation	GSI	Gridpoint Statistical Interpolation
DICast	Dynamic Integrated Forecast	GSP	Geophysical Statistics Project
DUST	Decision Uncertainty Screening Tool	GV	NSF-NCAR Gulfstream V aircraft
ECMWF	European Center for Medium range Weather Forecasting	GVP	Graduate Visitor Program
ECNU	East China Normal University	HAIS	HIAPER Airborne Instrumentation Solicitation
EDW	Eighteen degree water	HCR	HIAPER cloud radar
ELDORA	ELectra DOppler Radar	HIAPER	High-performance Instrumented Airborne Platform for Environmental Research
EMDAC	EOL Metadata Database and Cyber Infrastructure	HiFi	Hurricane Intensity Forecasting and Impacts
ENSO	El Niño-Southern Oscillation (ENSO)	HIPPO	HIAPER Pole-to-Pole Observations
EOL	Earth Observing Laboratory	HOMME	High Order Method Modeling Environment
ESG	Earth system grid	HSRL	High Spectral Resolution Lidar
ESG-CET	ESG Center for Enabling Technologies	HYCOM	Hybrid Coordinate Ocean Model
ESKE	Earth System Knowledge Environment	ICE-L	Ice In Clouds Experiment
ESMF	Earth System Modeling Framework	ICES	Integrated Computing Environment for Scientific Simulation
ESSL	Earth and Sun System Laboratory	IGAC	International Global Atmospheric Chemistry
GARPA-2	Geosciences Application Requirements for Petascale Architectures	IGBP	International Biosphere-Geosphere Programme
GIS	Geographic Information Systems		
GFDL	Geophysical Fluid Dynamics Laboratory		

NCAR Acronyms

iLEAPS	Integrated Land Ecosystem – Atmosphere Processes Study	MILAGRO	Megacity Initiative: Local and Global Observations
IMAGe	Institute for Mathematics Applied to Geosciences	MIRAGE	Megacity Impact on Regional and Global Environments
INTEX-B	Intercontinental Chemical Transport Experiment	MIST	Miniature In-situ Sounding Technology
IPCC	Intergovernmental Panel on Climate Change	MITgcm	MIT General Circulation Model
IPCC AR4	Intergovernmental Panel on Climate Change Fourth Assessment Report	MJO	Madden-Julian Oscillation
IPY	International Polar Year	MLSO	Mauna Loa Solar Observatory
ISS	Integrated Sounding System	MMM	Mesoscale and Microscale Meteorology
ISFF	Integrated surface flux facilities	MOM4	Modular Ocean Model
ISPA	Inhibition of Snowfall by Pollution Aerosols	MOZART	Model for Ozone and Related chemical Tracers
ISSE	Institute for the Study of Society and Environment	MREFC	Major research equipment and facilities constructions
JCSDA	Joint Center for Satellite Data Assimilation's	MRI	Major Research Infrastructure
JFF	Junior Faculty Forum of Future Scientific Directions	MSS	Mass Storage System
JMA	Japan Meteorological Agency	MTP	Microwave Temperature Profiler
JNT	Joint Numerical Testbed	NACP	North American Carbon Program
KMA	Korea Meteorological Administration	NARCCAP	North American Climate Change Assessment Program
LAMS	Laser Air Motion Sensor	NCC	NCAR Capability Computing
LAOF	Lower Atmospheric Observing Facilities	NCEP	National Centers for Environmental Prediction
LES	Large-Eddy Simulation	NCL	NCAR Command Language
MAPR	Multiple Antenna Profiler	NCSA	National Center for Supercomputing Applications
METCRAX	Meteor Crater Experiment	NESM	NCAR Earth System Model
MHD	magnetohydrodynamic	NEXRAD	Next-Generation Radar
		NMM	Nonhydrostatic Mesoscale Model

NCAR Acronyms

NRCM	Nested Regional Climate Model	RSMAS	Rosentiel School of Marine and Atmospheric Science
NSC	NCAR Supercomputing Center	SDSC	San Diego Supercomputing Center
NSO	National Solar Observatory	SERE	Societal-Environmental Research and Education
NUOPC	National Unified Operational Prediction Capability	SID-2H	Small Ice Detector, version 2
NWP	Numerical weather prediction	SIP	Societal Impacts Program
NWS	National Weather Service	SIParCS	Summer Internships in Parallel Computational Science
OFAP	Observing Facility Assessment Panel	SRSS	Societal resilience system of systems
PASE	Pacific Atmospheric Sulfur Experiment	SRB	Storage Resource Broker
PACDEX	PACific Dust EXperiment	START	Stratosphere-Troposphere Analyses of Regional Transport
PBL	Planetary boundary layer	STEP	Short-Term Environmental Prediction
PIO	Parallel Input/Output	SWANS	Society-Water and Natural Systems
PRISM	Program for Integrated Earth System Modeling	TIE-GCM	Thermosphere-Ionosphere-Electrodynamics General Circulation Model
PRUDENCE	Prediction of Regional scenarios and Uncertainties for Defining European Climate change risks and Effects	TIGGE	THORPEX Interactive Grand Global Ensemble
QLS	Quantum cascade lasers	TIIMES	The Institute for Integrative and Multidisciplinary Earth Studies
RAL	Research Applications Laboratory	TIME-GCM	Thermosphere-ionosphere-mesosphere-electrodynamics General Circulation Model
REAL	Raman-shifted, Eye-safe Aerosol Lidar	ToF-AMS	Time-of-Flight Aerosol Mass Spectrometer
REFRACTT	Refractivity Experiment For H ₂ O Research And Collaborative operational Technology	TOGA	Tropical Ocean Global Atmosphere
RISA	Regional Integrated Sciences and Assessments	T-PARC	THORPEX Pacific Asian Regional Campaign
Rocky RACCOON	Regional Atmospheric Continuous CO ₂ Network in the Rocky Mountains		

NCAR Acronyms

TRMM	Tropical Rainfall Measuring Mission
TUV	Tropospheric Ultraviolet and Visible (radiation model)
UCAR	University Corporation for Atmospheric Research
UCC	University Capability Computing
UKMO	United Kingdom MetOffice
USWRP	U.S. Weather Research Program
UTLS	Upper Troposphere/Lower Stratosphere
VAPOR	Visualization and Analysis Platform for Ocean, Atmosphere, and Solar Researchers
VECSEL	Vertical Cavity Surface Emitting Laser Hygrometerd
VOC	Virtual Operations Center
WACCM	Whole Atmosphere Community Climate Model
WAS*IS	Weather and Society Integrated Studies
WCRP	World Climate Research Programme
WMO	World Meteorological Organizatin
WIS	WMO Information System
WRF	Weather Research and Forecasting
YSN	AIMES Young Scholars Network
Z	Reflectivity factor
ZDR	Differential reflectivity