



Acronym List

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R
 | S | T | U | V | W | X | Y | Z

N

Acronym	Full name	Comments
N/A or NA	not applicable	
N-AWIPS	National Centers Advanced Weather Interactive Processing Systems	A version of GEMPAK developed by NMC
N-ROSS	Naval Remote Ocean Sensing System	
N-ROSS	Naval Research Oceanographic Satellite System	cancelled
N-SCAT	NASA scatterometer	
NAC	NCAR Administrators Committee	2nd in command of all divisions
NACCAM	National Coordinating Committee on Aviation Meteorology	Federal Coordinating Group/Meteorology, USWB
NACOA	National Advisory Committee on Oceans and Atmosphere	NOAA
NADO	New Airport Development Office	or Organization
NAE	National Aeronautical Establishment	Canada
NAE	National Academy	USA

	of Engineering	
NAFAX	Analog facsimile map	A standard circuit of weather information produced by the NWS
NAFTA	North American Free Trade Agreement	
NAG	Numerical Algorithms Group Inc.	
NAIC	National Astronomy and Ionosphere Center	NSF, Cornell University
NAILS	NCAR Airborne Infrared Lidar System	
NAO	North American Oscillation	
NAO	North Atlantic Oscillation	
NAO	North Atlantic Ocean	
NAOPS	North Atlantic Ocean Prediction Systems	INO
NAOS	North American Observing System	NOAA
NAPAP	National Acid Precipitation Assessment Program	
NAPP	National Aerial Photography Program	
NAR	nonadvocacy review	
NARA	U.S. National Archives and Records Administration	
NARE	North Atlantic Regional Experiment	
NAS	National Academy	

	of Sciences	
NAS	National Airspace System	FAA
NAS	Naval Air Station	
NASA	National Aeronautics and Space Administration	
NASAO	National Association of State Aeronautics and Organizations	
NASCAS	NAS Committee on Atmospheric Sciences	
NASCO	NAS Committee on Oceanography	
NASCOM	NASA Communications Network	
NASCOM II	upgraded version of NASA Communications Network	
NASDA	National Space Development Agency	Japan
NASN	National Air Surveillance Network	
NASN	NASN cascade impactor in aerosol studies	
NASW	National Association of Science Writers	
NAT	Nitric Acid Trihydrate	
NATCA	National Air Traffic Control Administration	
NATO	North Atlantic Treaty Organization	
NATS	NCAR Aircraft (or Airborne) Telemetry	

	System	
NAUG	NASCOM Augmentation	NASCOM II
Navaid	Navigation aid	loran, omega, or GPS
NAVSTAR	NAVigation Signal Timing and Ranging System	
NAWAU	National Aviation Weather Advisory Unit	
N-AWIPS	National Centers Advanced Weather Interactive Processing Systems	A version of GEMPAK developed by NMC
NAWPG	National Aviation Weather Products Generator	
NBDRC	New Building Design Review Committee	
NBS	National Bureau of Standards	name changed to NIST, 8-23-88, U.S. Department of Commerce, Boulder, Colorado
NCAB	Network Coordination and Advisory Board	
NCAR	National Center for Atmospheric Research	Boulder, Colorado, formally began in 1960
NCAR Graphics		A computer graphics package developed by NCAR and widely distributed throughout the scientific community
NCAR/UCAR	National Center for Atmospheric Research	which is managed by UCAR
NCC	National Climate Center	NOAA
NCDC	National Climatic Data Center	NOAA
NCDS	NASA Climate Data System	
NCEP	National Centers for	previously the National

	Environmental Prediction	Meteorological Center, a NOAA facility. The source of most of the model output data that appears in GRIB form on the HDS data stream
NCF	Network Control Facility	An NWS operation
NCGIA	National Center for Geographic Information and Analysis	
NCHPC	National Consortium for High Performance Computing	
NCIS	Nadir Climate Interferometer Spectrometer	
NCMC	Non-Classical Mesoscale Circulations	Forced by Differential Surface Heating-Observational Evaluations
NCMRWF	India's National Centre for Medium Range Weather Forecasting	
NCOM	NCAR CSM Ocean Model	
NCP	Network Control Program	
NCPO	National Climate Project Office	NOAA
NCRP	National Council on Radiation Protection and Measurement	established 3/5/65
NCSA	National Center for Supercomputing Applications	University of Illinois at Urbana-Champaign, developed such widely used Internet programs as Telnet and Mosaic
NCSNET	NASCOM custom subnetwork	
NCTM	National Council of Teachers of Mathematics	
ND	near-dedicated	

NDARB	North Dakota Atmospheric Resources Board	
NDBC	National (or NOAA) Data Buoy Center	MTF, GARP
NDC	National Data Center	
NDSC	Network for Detection of Stratospheric Change	a global network at http://www.ndsc.ncep.noaa.gov
NDT	non-destructive testing	ASTM
NDTE	North Dakota Tracer Experiment	
NDTP	North Dakota Thunderstorm Project	
NDVI	normalized difference vegetation index	spectral index
NDVI	Greenness index from satellites	
NEAQS	New England Air Quality Study	
NEC	Norman (Oklahoma) Evaluation Committees	
NEC	Nippon machines	
NECHE	Northeast Colorado Hail Experiment	Predecessor of NHRE
NEDRES	National Environmental Data Referral System	
NEEDS		Digital Library for Engineering Education (http://www.needs.org)
NEHRP	National Earthquake Hazard Reduction Program	
NEIC	National Earthquake Information Center	NOAA

NEM	NWP Explicit Microphysics	model developed at FSL, NOAA
NEMS	Nimbus E microwave spectrometer	GARP
NENA	NOAA's Northeast-North Atlantic 2004	
NEONS	Navy Environmental Operational Nowcast System	
NEPA	National Environmental Policy Act	
NEPH	nephelometer	
NEPRF	Naval Environmental Prediction Research Facility	Monterey, California, now Atmospheric Science Directorate of NOARL
NERC	National Environment Research Council	
NESC	National Environmental Satellite Center	Suitland, Maryland
NESC	National Energy Software Corporation	
NESDD	NOAA Earth Science Data Directory	
NESDIS	National Earth Satellite Data and Information System	
NESDIS	National Environmental Satellite Data and Information Service	A program of NOAA
NESS	National Earth Satellite Service	NOAA
NET	noise-equivalent temperature	
netCDF	network Common Data Form	An interface for scientific data access and a library that provides an implementation of the interface. The netCDF

		library also defines a machine-independent format for representing scientific data. Together, the interface, library, and format support the creation, access, and sharing of scientific data. The netCDF software was developed by Unidata
NetNorth	Wide Area Network serving the BITNET branch in Canada	
NETS	Network Engineering and Telecommunications Section	NCAR, SCD
Netscape		A World-Wide Web browser from Netscape Communications Corporation. Netscape evolved from NCSA Mosaic (with which it shares at least one author) and runs on the X Window System under various versions of Unix, on Microsoft Windows and on the Apple Macintosh
NEWS	National Extreme Weather Systems	
NEWS	NOAA Earth Watch Service	
NeWS	Network extensible Windows System	
NEXAIR	next generation upper air system	NWS
NEXRAD	Next Generation Weather Radar	A NOAA radar system of WSR-88D radars and associated processing equipment. NEXRAD data is made available at discounted prices to the IDD through a contract with WSI
NEXRAD	Next Radar	
NEXUS	Next Upper Air Sounder (system)	
NEXUS	next-generation upper-air sounding system	
NEXUS	navaid-based	

	upper- air sounding system	
NFCR	Narrow cold-frontal rainbands	
NFS	Network File System	A communications protocol based on IP for file sharing among dissimilar computers on a LAN; allows cooperating computers to access each other's file systems as if they were local. NFS was originally developed by Sun, but is now available on most major operating systems
NGDC	National Geophysical Data Center	
NGI	Next Generation Internet	
NGM	Nested Grid Model	developed in the 1980s, a forecasting model run by the NMC
NGO	Non-Government Organizations	
NGS	National Geodetic Survey	
NGT	NASA ground terminal	
NGTG	NCAR GARP Task Group	
NH	Northern Hemisphere	
NHAP	national high altitude photography	
NHC	National Hurricane Center	
NHRE	National Hail Research Experiment	May 1990, formerly NECHE
NHRL	National Hurricane Research Laboratory	NOAA, Miami, Florida
NHSRP	National Hail	Preliminary name of NHRE

	Suppression Research Program	
NIAR	National Institute for Atmospheric Research	original name of NCAR
NIC	Network Interface Card	
NICI	Negative Ion Chemical Ionization	GC/MS
NIDS	NEXRAD Information Dissemination Service	A NOAA service
NIDS	NEXRAD Information and Data System	
NIES	National Institute of Environmental Science	Japan
NIGEC	National Institute for Global Environmental Change	
NIH	National Institute of Health	
NILU	Norwegian Institute for Air Research	
NIMBUS	Networked Information Management client-Based User Service	developed at FSL, NOAA
NIMROD	Northern Illinois Meteorological Research on Downbursts	University of Chicago
NIP	National and International Program	NSF
NIPR	National Institute for Polar Research	Japan
NIR		near IR
NIRNS	National Institute for Research in Nuclear Science	Harwell, England

NIST	National Institute of Standards and Technology	new name of NBS, 8-23-88
NIU	Network Interface Unit	
Nixie tubes	thermionic display	electronic calculator
NLDN	National Lightning Detection Network	Also, a data feed provided by SUNY Albany through a cooperative agreement with Global Atmospheric, Inc.
NLDS	National Lightning Detection System	
NLDS	National Lightning Detection System	
NLN	NCAR Local Network	now called MASnet
NLTE	non local thermodynamic equilibrium	more generally given as non-LTE
NM	network management	
NMC	National Meteorological Center	A NOAA facility, now called National Centers for Environmental Prediction, NCEP
NMCC	NASCOM Management Control Center	
NMD	NASA Master Directory	
NMF	normal mode functions	
NMFS	National Marine Fisheries Service	NOAA
NMHC	Non-Methane Hydrocarbons	
NMIMT	New Mexico Institute of Mining & Technology	
NMOS	Network and Mission Operations Support	contract
NNF	Non-NSF Funded	

NNMI	nonlinear normal mode initialization software	
NNSC	NSF Net Service Center	
NNT	Nearest Neighbor Tool	
NOAA	National Oceanic and Atmospheric Administration	U.S. Department of Commerce, replaced ESSA
NOAAnet	NOAA network	
NOAAport		A broadcast communication system planned by NOAA to link AWIPS sites; its function is to provide real-time environmental data to NOAA and other users
NOAASIS	NOAA Satellite Information System	
NOAH	comprised of the National Centers for Environmental Protection, Oregon State University, the Air Force, and the Hydrologic Research Lab of the National Weather Service	
NOAO	National Optical Astronomy Observatories	
NOARL	Naval Oceanographic and Atmospheric Research Laboratory	INO, the merging of NORDA with NEPRF
NOC	Naval Oceanographic Command	
NOC	Network Operations Center	
NODC	National Oceanographic Data Center	

NODS	NASA Ocean Data System	
NOGAPS	U.S. Navy Operational Global Atmospheric Prediction System	
NOIC	National Oceanographic Instrumentation Center	NOAA
NOHRSC	National Operational Hydrologic Remote Sensing Center	
NOMAD	Navy Oceanographic Meteorological Device	Unmanned weather station (SNAP-7D nuclear generator power) that provides 3 hourly reports; and every hour in severe weather
NOMHICE	Nonmethane Hydrocarbon Intercomparison Experiment	
NOMP	Navy Ocean Modeling and Prediction Program	
NOMSS	National Operational Meteorological Satellite System	
NOPS	Nimbus Observations Processing System	NASA
NORDA	Naval Ocean Research & Development Activity	St. Louis, Missouri, now Ocean Acoustics and Ocean Science Directorates of NOARL
NORPAX	North Pacific Experiment	
NOS	National Ocean Service	NOAA, replaced Coast and Geodetic Survey
NOSC	Naval Ocean Systems Center	
NOSIE	NODC Ocean Science Information	

	Exchange	
NOSS	National Ocean Satellite System	
NOVAM	Navy Oceanographic Vertical Aerosol Model	
NOWES	Northern Wetlands Study	
NOWrad	National Operational Weather radar	a tradename of WSI Corporation
NOWrad-6	a new product derived from WSI Corporation national radar reflectivity data	
NOZE	National Ozone Expedition	
NPAS	Network Planning and Analysis System	
NPC	National Processing Centers	GARP
NPG	Naval Proving Ground	
NPGATE	NCAR PROFS gateway computer	
NPI	NEXRAD Product Interface	
NPI	North Pacific Index	
NPN	NOAA Profiler Network	previously known as the Wind Profiler Demonstration Project
NPOESS	National Polar Orbiter Environmental Satellite System	
NPOP	NASA Polar Orbiting Platform	
NPP	Net Primary Productivity	
NPRM	Notice for Proposed	

	Rule Making	
NPS	Numerical Product Service	a NWS data stream
NPSNET	NASCOM packet switched subnetwork	
NQS	Network Queue System	
NRC	National Research Council	
NRCC	National Research Council of Canada	
NRDC	National Research Development Corporation	England
NRE	Notice of Revised Estimate	
NREL	National Resource Ecology Laboratory	
NREL	National Renewable Energy Laboratory	formerly SERI
NREN	National Research and Education Network	
NRL	Naval Research Laboratory	
NRLSI	National Reference Library of Science and Invention	British
NRN	National Research Network	
NROSS	Naval Remote Ocean Sensing System	
NRSC	National Remote Sensing Centre	
ns	nanoseconds	
NSB	National Science Board	Board of Directors for NSF
NSBF	National Scientific Balloon Facility	Palestine, Texas formerly NCAR's SBF

NSC	Network Systems Corporation	
NSCAT	NASA Scatterometer	
NSDA	National Space Development Agency	Japan
NSDL	National Science Digital Library	
NSF	National Science Foundation	
NSFF	NSF Funded	
NSFnet	National Science Foundation Network	A national computer network established by NSF and managed by the University of Michigan and MERIT, Inc. NSFnet is part of Internet.
NSFNF	Non-NSF non-funded	
NSG	Natural Systems Group	NCAR
NSI	NASA Science Internet	
NSIDC	National Snow and Ice Data Center	
NSN	NASA Science Network	
NSO	National Solar Observatory	New Mexico
NSPI	National Society for Programmed Instruction	
NSRC	National Systems and Research Company	
NSRDS	National Standard Reference Data System	NBS
NSS	Nodal Switching Subsystem	
NSSDC	National Space Science Data Center	NASA Goddard, if an A, B, C, is on the end of the acronym, it

		designates a particular computer
NSSFC	National Severe Storms Forecast Center	Kansas City
NSSL	National Severe Storms Laboratory	NOAA, Norman, Oklahoma
NSSP	National Severe Storms Project	
NSTA	National Science Teachers Association	
NSTP	National Solar Terrestrial Program	
NSTS	National Space Transportation System	
NSWP	National Space Weather Program	
nT	The nanotesler (nT)	a measure of geomagnetic field strength
NTCC	Nimbus Technical Control Center	Twerle
NTIS	National Technical Information Service	USDC, Springfield, Virginia 22151, Government's central clearing house for sale of R&D and other government funded reports
NTISS	national telecommunications and information systems security	policy
NTN	National Telecommunications Network	
NTP	Network Time Protocol	
NTRANS	metacode translator	
NTS	Nevada Test Site	
NTSB	National Transportation Safety Board	


NTSC	National Television System Committee	
NTTF	NASA Test and Training Facility	
NURE	National Uranium Resource Evaluation	
NUWIG	National Uranium Resource Evaluation	
NVAP	NASA water vapor project	
NWP	Numerical Weather Prediction	
NWRC	National Weather Records Center	Asheville, North Carolina
NWS	National Weather Service	NOAA
NWS	Naval Weather Service	
NWSC	National Weather Satellite Center	
NWSFO	National Weather Service Forecast Office	
NWSOP	National Winter Storms Operations Plan	
NWSTC	National Weather Service Telecommunications	
NWSTG	National Weather Service Telecommunications Gateway	
NYSERNET	New York State Educational and Research Network	a regional NSFNET network

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