

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

A

Acronym	Full name	Comments
AA	access authorization	
AA	accountable/activity area	
AA	activity area	
AA	adverse action	
AA	affirmative action	
AA	assistant administrator	
(A ³)	armor/anti-armor	
(AA ³)	Accident Analysis Computer Program	
AAA	American Arbitration Association	
AAAS	American Association for the Advancement of Science	
AACR	Angle-American cataloging rules	
AACS	airborne activity confinement system	
AADT	average annual weekday traffic	
AAEE	American Academy of Environmental Engineers	
AA/EEO	affirmative action/equal employment opportunity	
AAG	Association of American Geographers	

AAH	advanced attack helicopter	
AALC	amphibious assault landing craft	
AAM	airborne activity monitor	
AAM	air-to-air missile	
AAOE	Airborne Antarctic Ozone Experiment	
AAP	Aviation Applications Program	
AAP	Atmospheric Analysis and Prediction Division	new science division at NCAR 4/73
AAP	affirmative action program	
AAP	asbestos action program	
AAR	affirmative action representative	
AARADCOM	US Army Armanents R&D Command	
AARC	Alliance for Acid Rain Control	
AARP	American Association of Retired People	
AAS	American Astronomical Society	
AAS	acid addition system	
AAS	atomic absorption spectroscopy	
AASE	Airborne Arctic Stratospheric Expedition	NASA/NOAA/NSF/CMA
AASM	Advanced Air to Surface Missile	
AASO	Army Aeronautical Service Office	
AAW	anti-air warfare	
AB	Architect Building	northern Virginia
ABA	American Bar Association	
ABAQUS	finite-element computer code	
ABB	Asea Brown Boveri	

ABC	Aerobiochemical	
ABC	accelerator-based conversion	
ABC	advanced ball concept	
ABE	Army Background Experiment	
ABES	Alliance for Balanced Environmental Solutions	
ABFEL	air-based free-electron laser	
ABHX	air blast heat exchanger	
ABILENE		A high-speed network for advanced Internet development within the university community. It is a project of the University Corporation for Advanced Internet Development (UCAID), a non-profit consortium of universities and corporate and affiliate members
Abilene		An advanced backbone network that supports the development and deployment of the new applications being developed within the Internet2 community
ABL	airborne laser	
ABL	atmospheric boundary layer	
ABLE	activity balance line evaluation	
ABLE	Amazon Boundary Layer Experiment	NASA
ABLE-2B	Arctic/Atlantic/Atmospheric Boundary Layer Experiment	
ABM	antiballistic missile	

ABRES	advanced ballistic re-entry system	
ABRV	advanced ballistic re-entry vehicle	
ABS	automatic backup shutdown	system
ABS-SC	automatic backup shutdown of safety computer	
absolute vorticity		The vorticity of a fluid particle determined with respect to an absolute coordinate system.
ABTRES	abatement & residual forecasting model	
ABV	auxiliary building ventilation	
ABWA	American Business Women's Association	
ac	alternating current	
A/C	Aircraft	
AC	Adirondac Conference	
AC	actual commitment	
AC	advisory circular/committee	
AC	alternating current	
AC	Ancho Canyon	
AC	area coordinator	
A/C	air conditioning	
A&C	abatement & control	
ACA	Atmospheric Chemistry of Aerosols	
ACA	American Conservation Association, Inc.	
ACA	applied combinatorial analysis	
ACACIA	A Consortium for the Application of Climate	

	Impact Assessments	
ACAP (ACAPs)	Advanced computer for array processing	
ACARS	ARINC Communications and Relay System	
ACARS	ARINC Communication, Addressing, and Reporting System	
ACAS	Advisory Committee for Atmospheric Sciences	
ACATS	Airborne Chromatograph for Atmospheric Trace Species	
ACB	air-operated circuit breaker	
ACBM	asbestos-containing building material	
ACC	abnormal condition control	
ACC	Abrupt Climate Change	
ACC	Antarctic Circumpolar Current	NASA
ACC	accumulator	injection
ACCD	aircraft compatibility control drawing	
ACCENT	Atmospheric Chemistry of Combustion Emissions Near the Tropopause	
AccessGrid	***	
ACD	Atmospheric Chemistry Division	NCAR
ACD	advanced conceptual design	
ACDA	Arms Control and Disarmament Agency	
acdar	acoustic radar	
ACDF	Advanced Chemical Diagnostics Facility	
ACDWG	Atmospheric Center of Data Working Group	

ACE	Alliance for Clean Energy	
ACE	American Council on Education	
ACE	Antarctic Current Experiment	
ACE	Aerosol Characteristics Experiment	
ACE	Accelerated Computing Environment	
ACE-1	Aerosol Characterization Experiment	1995
ACE-Asia	Asian Pacific Regional Aerosol Characterization Experiment	
ACEC	American Consulting Engineers Council	
ACEP	DOC Advisory Committee, Export Policy	
ACF	acid concentrator feed	
ACF	automatic control feature	
ACFM	actual cubic feet per minute	
acfm	alternating current frequency modulation	
ACG	Advanced Computing Group	NOAA, FSL
ACGIH	American Conference of Governmental Industrial Hygienists	
ACH	air changes per hour	
ACHEM	Atmospheric Chemistry Model	
ACI	Advanced Computing Initiative	
ACI	automatic closure and interlock	
ACIS	automated chemical inventory system	
ACIS	Academic Information Systems	A division of IBM in the 1980s

ACL	Advanced Computing Laboratory	
ACL	alternative concentration level/limit	
ACL	auxiliary cooling loop	
ACM	Association for Computing Machinery	
ACM	advanced conventional munitions	
ACM	advanced cruise missile	
ACM	asbestos-containing material	
ACME	Airborne Carbone in the Mountains Experiment	
ACN AWIPS	communication network	A data and communications network with satellite and land-based components, created by the NWS
ACNFS	Advisory Committee on Nuclear Facility Safety	DOE
ACO	administrative consent order	
ACO	advance change order	
ACO	Atomic Coordinating Office	
ACOS	Advanced Coronal Observing System	
ACO/UK	ACO/United Kingdom	
ACP	Acoustic Doppler profilers	
ACR	Active Cavity Radiometer	
ACR	air conditioner, cooling only	
ACRIM	active cavity radiometer irradiance monitor	NASA/UARS 1996
ACRIM II	Active Cavity Radiometer Irradiance Monitor	NASA/UARS
ACRS	Advisory Committee, Reactor Safeguards	

ACRT	Aircraft report	
ACS	American Chemical Society	
ACS	Administrative Computing and Systems	
ACS	automated cartridge system	
ACS	account control system	
ACS	Aldus color file	
ACS	auxiliary cooling system	
ACSE	association control service element	
ACSH	American Council on Science & Health	
ACSYS	Arctic Climate System Study	
ACT	atmospheric chemical transformations	
ACTS	Atmospheric Chemistry of Transient Species	NCAR, ACD
ACTS	Advanced Communications Technology Satellite	
ACV	air-cushion vehicle	
ACV	at-completion variance	
ACVC	arms control verification committee	
ACWA	American Clean Water Association	
ACWP	actual cost of work performed	
A/D	analog-to-digital	
ADA	Americans with Disabilities Act	
ADA	applied decision analysis	
ADAAC	EOS program	
ADAACS	Affiliated Distributed Active Archive Centers	NASA
ADARS	Aircraft Data Acquisition and Recoding System	NCAR

ADATS	Automated Data Acquisition and Transfer System	
ADB	Apple desktop bus	
ADC	analog-to-digital converter	
ADC	affiliated data center	
ADC	authorized derivative classifier	
ADCLS	Advanced Data Collection and Location System	
AD&D	accidental death and dismemberment	
ADDE	Abstract Distributed Data Environment	
ADDS	Aviation Digital Data Service	
ADEOS	Advanced Earth Observing Satellite	Japan
ADEPT	Alexandria Digital Earth Prototype	
ADF	automatic direction finding	
ADF	Advanced Development Facility	NOAA, FSL
ADI	acceptable daily intake	
ADI	Alternating Direction Implicit	
ADI	air defense initiative	
ADISS	analytical data interchange and storage standards	
ADL	above detection limit	
ADL	Alexandria Digital Library	
ADM	action description memorandum	
ADM	arrow diagram method	
ADM	atomic demolition munition	
ADM	Administrative Services Section	NCAR
ADMP	Acid Deposition Modeling	

	Project	
ADO	Associate Director for Operations	
ADP	administrative data processing	
ADP	Automatic data processing	
ADP	Anderson, DeBartolo and Pan	architects
ADPE	automatic data processing equipment or ADP equipment	
ADR	alternative dispute resolution	
ADR	audit discrepancy report	
ADS	activity data sheet	
ADS	Airborne Data System	
ADS	Aircraft Data Systems	
ADS	ancillary data service	
ADSB	Advanced Display Systems Branch	NOAA, FSL
ADSCEPTS	advanced self-contained chemical energy propulsion	
ADT	aerated drain tank	
ADTF	At Depth Test Facility	
ADV	atmospheric dump valve	
ADVISAR	All Digital Video Imaging System for Atmospheric Research	
AE	Atmospheric Explorer	
AE	architect/engineer	
AEA	Atomic Energy Authority	
AEA	Atomic Energy Act of 1954	
AEB	auxiliary equipment building	
AEC	Associate Enforcement Counsel	EPA

AEC	Atomic Energy Commision	United States; ERDA, now DOE
AECA	Arms Export Control Act	
AED	Atomic Emission Detector	
AED	Air Enforcement Division	EPA, OECM
AEDS	atomic energy detection system	
AEE	Alliance for Environmental Education	
AEEN	Agence Europeenne pour l'Energie Nucleaire	
AEERL	Air and Energy Engineering Research Laboratory	EPA, ORD
AEGIS	Atmosphere Ecosystem Gas Interchange Study	
AEM	application evaluation matrix	
AEN	administrative exception note	
AEO	Atomic Energy Organization	Iran
AEOS	analytic equation-of-state	
AEP	alkaline earth precipitate	
AER	advanced electric reactor	
AER	average evoked response	
AER	AWIPS Forecast Preparation System	
AERE	Atomic Energy Research Establishment	Harwell England
AERE	Association of Environmental & Resources Economists	
AEROCE	Air Ocean Exchange Experiment	
aerosol		A colloidal system in which the dispersed phase is composed of either solid or liquid particles, and in which the dispersion

		medium is some gas, usually air.
AEROCE	Atmosphere/Ocean Chemistry Experiment	
AES	Atmospheric Environment Service	Canada
AES	atomic emission spectroscopy	
AES	Auger electron spectroscopy	
AESA	Atmospheric Effects of Stratospheric Aircraft	NASA
AESD	Advanced Energy System Division	Westinghouse
AEW	airborne early warning	
AF	United States Air Force affiliate	
AF	auxiliary feed	
AF	audio frequency	
AFA	American Forestry Association	
AFAP	artillery-fired atomic projectile	
AFASE	Association for Applied Solar Energy	
AFATL	Air Force Armament and Testing Laboratory	
AFB	air force base	
AFB	atmospheric fluidized bed	
AFC	automatic flow control	
AFCCN	Air Force Chief Scientist	
AFCRL	Air Force Cambridge Research Laboratories	
AFCSA/CC	Commander, Air Force Center for Studies and Analysis	
AFD	axial flux difference	
AFD	acid fractionator distillate	

AFEAS	Alternate Fluorocarbon Environmental Acceptability Study	
AFEL	advanced free-electron laser	
AFESC	Air Force Engineering & Sciences Center	
AF&F	arming, fuzing, and firing	component
AFGL	Air Force Geophysics Laboratory	
AFGWC	Air Force Global Weather Central	
AFI	Atomic Industrial Forum, Inc.	
AF/INX	Air Force Assistant Chief of Staff, Director of Policy, Plans, & Programs	
AFIS	automated fingerprint identification system	
AFM	atomic force microscopy	
AFNB	US Air Force Scientific Advisory Board	
AFNE	American for Nuclear Energy	
AFO	available for obligations	
AFOE	advanced fiber optic echelle	
AFOS	Automation of Field Operations and Services	NOAA, a NWS program during the 1980s and early 1990s
AFOSR	Air Force Office of Scientific Research	
AFP	Apple File Protocol	
AFP	advanced flexible processor	
AFP	approved financial/funding plan	
AFP	approved funding program	
AFPEO/ST	Air Force Programs	

	Executive Officer, Director of Strategic Programs	
AFPRO	Air Force Plan Representative Office	
AFPS	AWIPS Forecast Preparation System	
AFR	audit finding report	
AFS	auxiliary feedwater system	
AFSAS	Air Force Director for Strategic Force Analysis	
AFSC	Air Force Systems Command	
AFSSO	Air Force Special Security Office	
AFT	Antifreeze protein	
AFTAC	Air Force Technical applications Center	
AFV	alternative fuel vehicle	
AFV	armored fighting vehicle	
AFW	auxiliary feedwater	
AFWA	Air Force Weather Agency, 4/98	
AFWL	Air Force Weapons Laboratory	
AG	alternating gradient	
AG	Australia Group	nonproliferation
AGA	automatic gas analyzer	
AGARD	Advisory Group for Aeronautical Research and Development	NATO
AGASP	Arctic Gas and Aerosol Sampling Program	
AGC	Automatic gain control	
AGCM	atmospheric general circulation models	
AGDATS	Air-Ground Data Telemetry System	
AGFA	advanced gust front	

	algorithm	
AGFS	Aviation Gridded Forecast Systems	
AGGG	Advisory Group on Greenhouse Gases	
AGI	American Geological Institute	Washington, D.C.
AGL	above ground level	
AGM	Atmospheric Gas Measurements Section	
AGO	Automatic Geophysical Observatory	
AGR	advanced gas-cooled reactor	
AGRICLIMSS	Agricultural Climate Service System	ISWS
AGS	alternating-gradient synchrotron	
AGS	annulus gas system	
AGT	above-ground test	
AGT	advanced ground transport	
AGU	American Geophysical Union	
A/H	air handling	
AHERA	Asbestos Hazard Emergency Response Act	
AHF	Advanced Hadron Facility	
AHP	analytical hierarchy process	
AHS	automated highway system	
AHW	Advanced Hurricane-research WRF (formerly Advanced Hurricane WRF)	
AI	Artificial Intelligence	
AI	action item	
AI	authorized inspector	
A/I	accident/incident	

AIAA	American Institute of Aeronautics and Astronauts	
AIAIT	Army Intelligence and Threat Analysis Center	
AIAS	automatic incident actuation system	
AIC	acceptable intake for chronic exposure	
AICC	adiabatic isochoric complete combustion	
AICE	American Institute of Chemical Engineers	
AICHE	American Institute of Chemical Engineers	
AID	Agency for International Development	USA
AID	air inlet damper	
AIDA	Arecibo Initiative with Dynamics of the Atmosphere	
AIDA	Archive 1 Data Analyzer	
AIDJEX	Arctic Ice Dynamics Joint Experiment	
AIDS	Activity Information Data Systems	
AIDS	autoimmune deficiency syndrome	
AIF	Atomic Industrial Health Forum, Inc.	
AIM	adaptive injection molding	
AIM	advanced industrial materials	
AIM	artificial ionization mirror	
AIMR	airborne imaging microwave radiometer	
AIMS	advanced information management systems	
AI&O	annual inspection and overhaul	

AIP	American Institute of Physics	
AIP	additions in progress	
AIP	agreement in principle	
AIRAPT	International Association for Research on High Pressure Science & Technology	
AIRES	Artificial Intelligence Research in Environmental Science	
AIRFA	American Indian Religious Freedom Act	
AIRMET	AIRmen METeorological information	
air pressure		see atmospheric pressure
AIRS	Advanced Infrared Studies	Program with GAARS
AIRS	Atmospheric Infrared Sounder	
AIRS	advanced inertial reference sphere	
AIS	Airborne Imaging Spectrometer	
AIS	acceptable intake for subchronic exposure	
AIS	accumulator injection system	
AIS	administrative information systems	
AIS	affiliate information system	
AIS	advanced isotope separation	AVLIS
AIS	Affiliate and Immigration Services	
AISC	Assessment and Information Services Center	
AISC	Industry, Science, & Technology Canada	

AISEC	Army Information Engineering Command	
AIST	Agency of Industrial Science & Technology	Japan
AIT	audit inventory team	
AIV	aviation-impact variable	
AIX	Advanced Interactive Executive	An IBM version of the UNIX operating system
AKP	Atmospheric Kinetics Project	
AL	Aeronomy Laboratory	NOAA
AL	Ames Laboratory	
AL	analytical laboratory	
AL	authorized leave with pay	
AL	Albuquerque Field Office	
ALADIN	atmospheric laser Doppler instrument	ESA
ALA-O	delta-aminolevulinic acid dehydrates	
ALAP	as low as possible	
ALAP	as low as practical	
ALAPCO	Association of Local Air Pollution Control Officials	
AL/APD	ALO Advance Planning Division	
ALARA	as low as reasonably achievable	
ALBM	air-launched ballistic missile	
ALBURT	Albuquerque budget reform task	
ALC	airlift circulator	
ALC	allocations	
ALCLAD	clad aluminum alloy	
ALCM	air-launched cruise missile	
ALDEN	Alden Electronics	A company that

		provides meteorological services
ALDF	Animal Legal Defense Fund	
ALE	Atmospheric Lifetimes Experiment	
ALE	arbitrary Lagrangian-Eulerian	code
ALEC	American Legislative Exchange Council	
ALE/GAGE	Atmospheric Lifetime Experiment/Global Atmospheric Gases Experiment	
AL/EPD	AL Environmental Protection Division	
ALERT	Automated Local Evaluation in Real Time	
Alert		a Canadian military base 500 miles from North Pole
ALEXIS	array of low-energy x-ray imaging sensors	
AL/FPMD	AL Facilities Planning & Maintenance Division	
AL/HPD	AL Health Protection Division	
ALJ	Administrative Law Judge	
ALI	Alpha/LAMP Integration	
ALI	annual limit on intake	
AL/KAO	AL Kirtland Area Office	
AL/MRD	AL Management Review Division	
ALMS	atomic line molecular spectroscopy	
ALOO	Albuquerque Operations Office	
AL/OESH	AL Office of Environment, Safety, and Health	
ALOHA	Airborne Lidar	

	Observations and Hawaiian Airglow
AL/OIEA	AL Office of Intergovernmental and External Affairs
AL/OOD	AL Operation Safety Division
ALP	assemble language preprocessor
ALPA	Airline Pilots Association
ALPAL	parallel program developed at LLNL
ALPEX	Alpine Experiment
AL/PIRD	AL Personnel, Industrial Relations Division
ALPR	Argonne Low Power Reactor
ALPS	accidental launch protection system
ALPS	alternate launch point system
ALPTRAC	Part of EUROTRAC
ALS	advanced launch system
ALS	advanced light source
ALSAS	AT Line Solution Assay
ALSI	aluminum silicon alloy
AL/SPD	AL Special Programs Division
ALT	Altimeter
ALT/RA	Altimeter/Radar Altimeter
ALU	arithmetic logic unit
ALWAS	Advanced Low-Level Wind Shear Alert System
AL-WDD	Albuquerque Operations, Weapons Development Division
AL/WMOSD	AL Waste Management & Operational Surety Division

AM	Ampex, Inc.	
AM	Audio modulation	
AM	Amplitude modulation	
AMAD	activity-median aerodynamic diameter	
AMAX	American Metals Climax	potash mine
AMBIENS	atmospheric mass balance of industrially emitted & natural sulfur	
AMC	American Mining congress	
AMC	Army Materiel Command	
AMC	appraisal management center	
AMD	alpha activity median diameter	
AMESS	autonomous machine environmental surveillance system	
AMEX	Australian Monsoon EXperiment	
AMFS	advanced manufacturing feasibility studies	
AMI	Active Microwave Instrument	
AMI-2	Active Microwave Instrument 2	
AMIE	Assimilative Mapping of the Ionospheric Electrodynamics	
AMIP	Atmospheric Model Intercomparison Project	
AMIR	Advanced Microwave Imaging Radiometer	
AML	acronym master list	
AML	Advanced Materials Laboratory	Albuquerque
AMMORA	Adaptation of Meso-beta- scale Models for Operational and Research Applications	

AMMS	Advanced Microwave Moisture Sounder	
AMO	Advanced Munitions Office	
AMOL	Atlantic Marine Oceanographic Laboratory	
AMOS	Automatic Meteorological Observation System	NWS
AMOS	Automatic Meteorological Observation System	NWS
AMP	advanced machining program	
AMP	Ampere	
AMP	asynchronous multiprocessing	
AMPE	automated message processing exchange	
AMPS	Antarctica Mesoscale Prediction System	
AMPS	Atmospheric, Magnetospheric, and Plasma Studies	NASA
AMR	Advanced Microwave Radiometer	
AMR	adaptive mesh refinement	
AMRIR	Advanced Medium Resolution Imaging Radiometer	
AMRR	Army Material Research Reactor	
AMRV	advanced maneuvering re-entry vehicle	
AMS	American Meteorological Society	
AMS	American Mathematical Society	
AMS	Accelerator Mass Spectrometer	
AMS	automated meteorological station	
AMS	aerial	

	monitoring/measurement system	
AMS	aerial measurement station	
AMS	analysis mass spectrometer	
AMS	applied mathematical science	
AMS	appraisal management system	
AMS	Army Map Service	
AMS	atomic mass spectrometry	
AMSG	appropriate military systems guide	
AMSOC	American Miscellaneous Society	
AMSR	Advanced Microwave Sounding Radiometer	
AMSR	Advanced Microwave Scanning Radiometer	
AMSU	advanced microwave sounding unit	NASA
AMTEL	Advanced Materials Testing & Evaluation Laboratory	
AMTEX	Air Mass Transformation Experiment	Japan/GARP, 1975
AMTL	Army Material Test Laboratory	
AMTS	Arctic Mesopause Temperature Study	
AMTS	Advanced Moisture and Temperature Sounder	
AMU	aqueous makeup	
amu	atomic mass unit	
AMVP	Aviation Model Verification Program	
AMWG	Atmosphere Model Working Group	

ANACONDA	intense electron beam accelerator	
ANARChE	(The Atlanta) Aerosol Nucleation and Real-time Characterization Experiment	
ANATEX	Across North America Tracer Experiment	NOAA
ANDAS	Advanced Neutron Detection Analysis System	
ANEC	American Nuclear Energy Council	
AN/FPQ-6	AN/GSN, AN/FPQ-16, AN/MPS-19, AN/ASR-7	Abbreviations never spelled out
ANG	Air National Guard	
ANI	authorized nuclear inspector	
ANL	Argonne National Laboratory	
ANL-E	Argonne National Laboratory-East	
ANL-W	Argonne National Laboratory-West	
ANM	alternate nuclear materials, secondary	
anonymous FTP		See FTP
ANPR	advance notice of proposed rulemaking	
ANRHRD	Air, Noise, & Radiation Health Research Division	EPA, ORD
ANS	advanced neutron source	
ANS	American National Standard	
ANS	American Nuclear Society	
ANS	autonomic nervous system	
ANSI	American National Standards Institute	An independent organization whose purpose is establishing voluntary computing industry

		standards
ANSS	American Nature Study Society	
ANSTO	Australian Nuclear Science and Technology Organization	
ANTA	5-amino-3-nitro-1H-1,2,4-triazole	
ANTARES	Advanced Nuclear Thermal Rocket Engine Simulator	
ANTHEM	plasma simulation code	
AO	Arctic Oscillation	
AO	announcement of opportunity	
AO	abnormal occurrence	
AO	administrative order	
AO	air overseas	
AO	annotated outline	
AOC	area of concern	
AOC	award of contract	
AOC	area of contamination	
AOD	argon-oxygen decarbonization	
AOG	acid offgas	
AOG	augmented offgas	
AOIPS	Atmospheric and Oceanographic Information Processing System	NOAA
AOL	Airborne Oceanographic LIDAR	
AOM	annual operating & maintenance	cost
AOML	Atlantic Ocean Meteorological Laboratory	NOAA
AON	Atmospheric Odd Nitrogen Species Project	NCAR
AOO	anticipated operational occurrence	

AOP	abnormal operating procedure	
AOP	annual operating plan	
AOPR	associated offices of primary responsibility	
AORD	Astronaut Operations Requirements Document	
AOS	Advanced Orbiting System	
AOS	Archive and Operations System	
AOSO	Advance orbiting solar observatory	
AOSP	advanced onboard signal processor	
AOS/VS	advanced operating system/virtual storage	
AOV	air-operated valve	
AP	Anomalous Propagation	
AP	attached payload	
AP	access permit	
AP	action plan	
AP	administrative procedure	
AP	Amparo	
AP	assigned personnel	
APA	Allied Pilot's Association	
APA	Administrative Procedures Act	
APA	American Planning Association	
APACM	Atmospheric Physical and Chemical Monitor	EOS
APARE	Asian/Pacific Regional Experiment	
APAS	Astrophysical, Planetary, and Atmospheric Sciences	
APC	argon purge cart	
APC	ammonium perchlorate	

APCA	Air Pollution Control Association	
APD	Advanced Planning Division	DOE
APD	advance planning document	
APD	areal power density	
APD	avalanche photodiode	
APDCS	axial power distribution monitoring system	
APDF	accelerator performance demonstration facility	
APE	action plan element	
APEN	air pollution emissions notice	
APET	accident progression event tree	
APEX	Acid Precipitation Experiment	
APEX	advance purchase excursion	
APEX	APLE Prototype Experiment	
APG	Aberdeen Proving Ground	
APHA	American Public Health Association	
API	American Petroleum Institute	
API	application program interface	
API	axial power indicator	
API	absolute position indication	
APIP	Aircraft Produced Ice Particles	
ApJ	The Astrophysical Journal	
APL	Applied Physics Laboratory	
APL	average power laser	
APLE	average power laser experiment	

APLJHU	Applied Physics Laboratory John Hopkins University	
APM	axial power monitor	
APO	Administrative Policy Office	
APOL	Analytical Photonics and Opto-Electronics Laboratory	
APOLLO2	RTD SRL code for operating limits	
APPA	American Public Power Association	
Apple	Apple Computer Inc.	
AppleTalk		A local area network system manufactured by Apple
Application	an end-user computer program designed to perform specific tasks	e.g., graphical display application, word- processing application, payroll application, etc.
APPLY	parallel program generation	CMU
APR	automatic pressure relief	
APR	Aberdeen Pulsed Reactor Facility	
APRM	average power range monitor	
APS	American Physical Society	
APS	Advanced Power Source	
APS	array processing system	
APS	atomic power station	
APS	auxiliary power system	
APS	autocorrelated photon spectroscopy	
APS	axial power shape	
APT	automatic picture transmission	
APT	Alliance for Photonic Technology	

APT	accelerator production of tritium	
APU	auxiliary power unit	
AQCA	Air Quality Control Act	
AQCR	Air Quality Control Region	California
AQCR	Air Quality Control Regulation	New Mexico
AQD	Atmospheric Quality Division	New name for AQM, July 1977
AQD	Air Quality Digest	
AQM	Atmospheric Quality and Modification	new science division at NCAR, April 1973
AQMA	air quality maintenance area	
AQSM	air quality simulation model	
AR	administrative requirement	
A&R	air and radiation	
ARA	Appletalk Remote Access	
ARAC	atmospheric release advisory capability	
ARAR	applicable or relevant and appropriate	
ARBI	adjusted running book inventory	
ARC	Ames Research Center	NASA
ARC	Antarctic Research Center	Scripps
ARC	Applied Research Corporation	
ARC	accelerating rate calorimetry	
ARCAS	all-purpose Rocket for the Collection of Atmospheric Soundings	
ARCC	American Rivers Conservation Council	
Archie	Internet archive listing service	A system to automatically gather, index, and serve

		information on the Internet
ARCnet	Attached Resource Computer Network	
ARCSS	Arctic Systems Science	NSF
ARCsym	Arctic Regional Climate simulation	
ARD	Air & Radiation Division	EPA, OGC
ARDEC	Army Armament Research and Development Engineering Center	
AREA	File format used for graphic images by the McIDAS application	
AREAL	Atmospheric Research and Exposure Assessment Lab	EPA
ARES	advanced reentry system	
ARF	Aviation Route Forecast	
ARG	Appointments Review Group	
ARG	American Resources Group	
ARG	Accident Response Group	
ARGOS	data collection and location system	France
ARGOS	French satellite-borne data relay and platform location system	Global Weather Experiment in 1979, NOAA
ARGUS	ARGonne Unified Safeguards	
ARI	alternate rod insertion	
ARIES	automated retirement and integrated extraction system	
ARIMP	Atmospheric Radiation Investigation and Measurements Project	NCAR, ACD
ARIN	Aerospace Resource Information Network	
ARINC	Aeronautical Radio, Inc.	

ARIS	Airborne Research Instrumentation System	
ARISTOTELES	Applications and Research Involving Space Technologies Observing the Earth's Field from Low Earth Orbiting Satellite	
ARL	Air Resources Laboratory	NOAA
ARL	Army Research Laboratory	
ARM	Atmospheric Radiation Measurement program	DOE
ARMAR	Airborne Rain Mapping Radar	NASA/JPL
ARM-CART	Atmospheric Radiation Measurement-Clouds and Radiation Testband	
ARO	Army Research Office	
ARPA	Advanced Research Projects Agency	DOD
ARPA	Archaeological Resources Protection Act	1979
ARPANET	Advanced Research Projects Agency Network	U.S. Department of Defense, created in the late 1960s and replaced in the mid-1980s by NSFNET
ARPS	Advanced Regional Prediction System	
ARR	Association for Radiation Research	UK
ARRL	Amateur Radio Relay League	
ARS	American Rocket Society	
ARSR	Air Route Surveillance Radar	
ART	Aqueous Recycle Technologies	
ARTCC	Air Route Traffic Control Center	
ARW	Advanced Research Workshop	

ARWG	Atmospheric Radiation Working Group	NCAR
ASALM	Advanced Strategic Air Launched Missile	
ASAP	Automated Shipboard Aerological Program	GAMP
ASAP	as soon as possible	
ASAP	Ariane structure for auxiliary payloads	
ASAP	Aerospace Safety Automation Program	
ASAP	Aerospace Safety Advisory Panel	
ASAP	Accelerated Situational Awareness Prototype	
ASAS	Advanced Solid-State Array Sensor	
ASASP	Active Scattering Aerosol Spectrometer	
ASASP	Advanced Solid-State Array Sensor	
ASC	Advanced Science Computer	Texas Instruments
ASC	ASTER Steering Committee	
A scale	Planetary scale 2,000 to 10,000 km	
ASCE	American Society of Civil Engineers	
ASCENT	Atmospheric Sounding, Central Evaluation, and Test Support	U.S. Air Force
Ascent	Control Data 6600 assembly language	
ASCII	American Standard Code for Information Interchange	A standard code for electronically exchanging character-based (nonbinary) information
ASCOT	Atmospheric Studies in Complex Terrain	
ASD	Aircraft Situation Display	

ASDAR	Aircraft-to-Satellite Data Relay	
ASE	Air Sea Experiment	EUROTRAC
ASE	Amplified Spontaneous Emission	
AS&E	American Science and Engineering, Inc.	Cambridge, Massachusetts
ASEP	Accident Sequence Evaluation Program	
ASER	Annual Site Environmental Report	
ASF	Alaska SAR Facility	
Ash Can	Project Ash Can	ERDA, NASA
ASHAA	Asbestos in Schools Hazard Abatement Act	
ASHOE	Airborne Southern Hemisphere Ozone Experiment	NASA, NOAA, NSF, NASU, October 1994
ASHRAE	American Society of Heating, Refrigeration, and Air-Conditioning Engineers	
ASI	Advanced Simulation Initiative	
ASI	Agenzia Spaxiale Italiano	
ASIC	Application Specific Integrated Circuit	
ASIS	American Society for Industrial Security	
ASIWPCA	Association of State & Interstate Water Pollution Control Administrators	
ASL	Atmospheric Science Laboratory	U.S. Army
ASL	above sea level	
ASL	American Sign Language	
ASLB	Atomic Safety Licensing Board	
ASM	American Society for Metals	

ASME	American Society of Mechanical Engineers	
ASNT	American Society for Nondestructive Testing	
ASOS	Automated Surface Observing System	NWS, NOAA/FAA, February 1989
ASP	Astronomical Society of the Pacific	
ASP	Advanced Study Program	NCAR
ASP	Advanced Stokes polarimeter	NCAR, HAO
ASP	alarms and shutdown process	
ASPA	American Society of Public Administration	
ASPEA	Association Suisse pour l'Energie Atomique	
ASPR	Armed Services Procurement Regulation	
ASQC	American Society for Quality Control	
ASR	Airport Surveillance Radar	
ASR	Annual Scientific Report	
ASRC	Atmospheric Sciences Research Center	State University of New York at Albany
ASRF	Advanced Size Reduction Facility	
ASRL	Atmospheric Science Research Laboratory	
ASROC	antisubmarine rocket	
ASSET	Aerothermodynamicelastic Structure Systems Environmental Tests	U.S. Air Force
ASSIST	ADPE system sizing tool	
AST	algorithm support team	
AST	AVCO Systems Textron	
ASTER	Atmosphere-Surface Turbulent Exchange Research Facility	

ASTER	advanced spaceborne thermal emission and reflection radiometer	EOS, Japan, 1996
ASTERIX	French acronym for ELDORA	
ASTEX	Atlantic Stratocumulus Transition Experiment	FIRE, 1992
ASTEX/MAGE	Atlantic Stratocumulus Transition Experiment/Marine Aerosol and Gas Exchange	
ASTHO	Association of State & Territorial Health Officials	
ASTIA	Armed Services Technical Information Agency	See DDC
ASTM	American Society for Testing Materials	See also NDT
ASTSWMO	Association of State & Territorial Solid Waste Management Officials	
ASW	antisubmarine warfare	
AT	IBM Advanced Technology personal computer	known simply as an AT or an IBM PC AT
AT	abnormal transient	
AT	Accelerator Technology	
AT	Antarctic Treaty	
ATA	Air Transport Association	
ATAC	Advanced Technology Advisory Committee	The committee that advises Unidata on technical issues
ATACMS	Army Tactical Missile System	
ATAMC	Air Transport Association Meteorological Committee	
ATC	Air Traffic Control	
ATC	Adiabatic Toroidal Compressor	
ATCSC	Air Traffic Control Systems Command Center	
ATD	Atmospheric Technology	NCAR

	Division	
ATDRSS	Advanced TDRSS	
ATEN	Association Technique de l'Energie Nucleaire	France
ATEX	Atlantic Tropical Experiment	
ATEX	Atlantic Tradewind Experiment	
ATHENA	Advanced Thermal-Hydraulic Energy Network Analyzer	
Atlanta-ANARChE	Atlanta Aerosol Nucleation and Real-time Characterization Experiment	
ATIS	Airport Terminal Information System	
ATLAS	Atmospheric Laboratory for Applications and Science	
ATLAS	Airborne Tunable Laser Absorption Spectrometer	NASA
ATLAS	Advanced Testing Line for Actinide Separations	
ATLID	Atmospheric LIDAR	
ATM	Apollo Telescope Mount	
ATM	Division of Atmospheric Sciences	
ATM	Adobe Type Manager	
ATM	Asynchronous Transfer Mode	
ATMOS	Atmospheric Trace Molecules Observed by Spectroscopy	
atmospheric pressure		The pressure exerted by the atmosphere as a consequence of gravitational attraction exerted upon the "column" of air lying directly above the point in

		question.
ATMS	Advanced Traffic Management System	
ATOG	Abnormal Test Procedure Operator Guidelines	
ATR	attenuated total reflection	
ATR	Alliance for Transportation Research	
ATRAD	detailed atmospheric radiation model	W.J. Wescombe's
ATRAP	Alliance for Transportation Research	
ATRMD	Air, Toxics, & Radiation Monitoring Research Division	EPA, ORD
ATS	Advanced Technology Satellite	
ATS	Application Technology Satellite	GARP
ATS	Accelerator Test Stand	
ATSD	Assistant to the Secretary of Defense	
ATSDR	Agency for Toxic Substances and Disease Registry	Centers for Disease Control
ATSR	Argonne Thermal Source Reactor	
ATSR	along track scanning radiometer	
ATST	Advanced Technology Solar Telescope	
ATSU	Accelerator Test Stand Upgrade	
ATV	Ariane transfer vehicle	
AU	astronomical unit	
AURA	Association of Universities for Research in Astronomy	
AUSPEX	Atmospheric Utility Signatures-Predictions and Experiments	

AVARs	Aircraft Vertical Accelerometer Reports	
AVC	advanced vector computer	
AVC	automatic volume control	
AVCS	advanced vidicon camera service	NASA
AVE	Atmospheric Variability Experiment	SSAPP
AVHRR	Advanced Very High Resolution Radiometer	A satellite-borne instrument
AVIRIS	Airborne Visible and Infrared Imaging Spectrometer	
AVMA	Automotive Vehicle Manufacturers Association	
AVN	Aviation model at NCEP	
AVS	Application Visualization System	
AVS Express	upgraded version of the Application Visualization System	
AW	Annual Worth	
AWACS	Airborne Warning and Control System	
AWC	Aviation Weather Center	NWS
AWC	Association of Women in Computing	
AWDAAS	Automatic Weather Data Acquisition and Archiving System	
AWDL	Aviation Weather Development Laboratory	
AWDP	Aviation Weather Development Program	
AWDS	Automated Weather Distribution System	
AWE	Atomic Weapons Establishment	United Kingdom
AWEA	American Wind Energy Association	

AWES	American Wind Energy Systems	
AWF	Aging Waste Facility	
AWFTF	Aviation Weather Forecasting Task Force	
AWG	American wire gage	
AWGWC	Air Force Global Weather Center	
AWIPS	Advanced Weather Interactive Processing System	An NWS program initiated in the 1990s; also known as the "modernization program"
AWIPS-90	Advanced Weather Interactive Processing System for the 90's	
AWISE	Association of Women in Science and Engineering	
AWN	Aviation Weather Network	
AWOS	Automated Weather Observing System	
AWP	Aviation Weather Program	
AWPG	Aviation Weather Products Generator	
AWQC	Ambient Water Quality Criteria	
AWRDF	Advanced Weapons Radiochemical Diagnostics Facility	
AWRE	Atomic Weapon Research Establishment	
AWS	Aviation Weather Service	U.S. Air Force
AWS	Air Weather Service	now the Air Force Weather Agency, 4/98
AWSE	Australian Winter Storm Experiment	
AWSMSC	Air Weather Service Master Station Catalog	
AWU	Associated Western Universities	Salt Lake City, Utah


AWU	atomic weight unit	amu
AWWA	American Waterworks Association	
AX	auxiliary systems	
AXAF	Advanced X-ray Astrophysics Facility	
AXBT	Air-Deployed Expendable Bathythermographs	
AXBT	Expendable Bathythermographs Air dropped temperature device	
AXCP	Airborne Expendable Current Profiler	
AY	Sandia National Laboratory	

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