

## 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

### I

Acronym	Full name	Comments
I / O	input/output	computer
I2L	integrated injection logic	computer unit, transistor replacement
I&T	integration and test	
I/F	interface	
IA	international angstrom	
IAA	International Academy of Astronautics	
IAAC	International Antarctic Analysis Center	Australia
IACOMS	International Advisory Committee on Marine Sciences	UNESCO
IAD	Dulles International Airport	
IADB	interactive ancillary data base	
IAEA	International Atomic Energy Agency	
IAG	International Association of Geodesy	IUGG
IAG	Interagency agreement	
IAG	Instrumentation Advisory Group	
IAGA	International Association of	IUGG

	Geomagnetism and Aeronomy	
<b>IAGW</b>	International Acoustic Gravity Waves	
<b>IAHS</b>	International Association of Hydrological Sciences	IUGG
<b>IAMAPS</b>	International Association of Meteorology and Atmospheric Physics Sciences	IUGG
<b>IAMAS</b>	International Association of Meteorology and Atmospheric Sciences	
<b>IAP</b>	International Affiliates Program	
<b>IAPO</b>	International Association of Physical Oceanography	IUGG
<b>IAPSO</b>	International Association of Physical Sciences of the Ocean	IUGG
<b>IARP</b>	International Atmospheric Research Program	NAS/NRC
<b>IAS</b>	indicated air speed	
<b>IASH</b>	International Association of Scientific Hydrology	IUGG
<b>IASP</b>	International Atmospheric Surveillance Program	NAS/NRC
<b>IASPEI</b>	International Association of Seismology and Physics of the Earth's Interior	IUGG
<b>IATO</b>	Independent Acceptance Test Organization	
<b>IAU</b>	International Astronomical Union	ICSU

<b>IAV</b>	International Association of Volcanology	IUGG
<b>IAVCEI</b>	International Association of Volcanology and Chemistry of the Earth's Interior	IUGG
<b>IAWSP</b>	Intergrated Aviation Wind Shear Plan	
<b>IBM</b>	International Business Machines Corporation	A well-known computer manufacturer; generally referred to by its initials only
<b>IBM AT</b>	IBM Advanced Technology personal computer	Known simply as an AT or an IBM PC AT
<b>IBM PC</b>		Generic term for IBM personal computers
<b>IBM PS/2</b>		One class of IBM personal computers
<b>IBM RT</b>		The IBM RISC Technology computer system
<b>IBRD</b>	International Bank for Reconstruction and Development	World Bank
<b>ICA</b>	International Central Archive	
<b>ICAMR</b>	Interdepartmental Committee on Applied Meteorological Research	
<b>ICAO</b>	International Civil Aviation Organization	
<b>ICAR</b>	International Cooperation in Aviation Research	
<b>ICAS</b>	Interdepartmental Committee on Atmospheric Science	FCST
<b>ICAS</b>	Interdepartmental Communication for	established by the Federal Council for

	Atmospheric Science	Science & Technology in July 1959, Federal Coordinating Group/Meteorology
<b>ICC</b>	Instrument Control Center	
<b>ICCP</b>	International Commission of Clouds and Precipitation	
<b>ICD</b>	Interface Control Document	
<b>ICDM</b>	International Commission on Dynamic Meteorology	
<b>ICE</b>	Intercomparison Experiment	PAM
<b>ICE</b>	Isoprene Closure Experiment	
<b>ICE</b>	Isoprene Canopy Experiment	Oak Ridge, Tennessee
<b>ICE</b>	International Cirrus Experiment	now EUCREX
<b>ICECOLORS</b>	Cold water component of WATERCOLORS	NSF
<b>ICES</b>	International Council for the Exploration of the Sea	ICSU/LOSPAR
<b>ICEX</b>	Ice Experiment	Convened to outline the major problems in sea and land ice that could be addressed through satellite techniques
<b>ICF</b>	Instrument Control Facility	
<b>ICFD</b>	Institute for Computational Fluid Dynamics	University of Reading
<b>ICG</b>	International Coordination Group	ICITA
<b>ICh</b>	Inter-Union Commission on the Lithosphere	

<b>ICITA</b>	International Cooperative Investigation of the Tropical Atlantic	
<b>Ich</b>	Inter-Union Commission on the Lithosphere	
<b>ICITA</b>	International Cooperative Investigation of the Tropical Atlantic	
<b>ICJOB</b>	IBM-to-Cray Interactive Interface	
<b>ICMAP</b>	CSMP	now called CMAP
<b>ICMSSR</b>	Interagency Committee for Meteorological Services and Supporting Research	
<b>ICMUA</b>	IAMAS Commission on the Meteorology of the Upper Atmosphere	
<b>ICN</b>	international communications network	
<b>ICO</b>	Interagency Committee on Oceanography	
<b>ICO</b>	Initial Operating Capability	
<b>ICPM</b>	International Commission on Polar Meteorology	IAMAP and IUGG
<b>ICS</b>	Intercom System	
<b>ICS</b>	Interdisciplinary Climate Systems	
<b>ICSI</b>	International Commission on Snow and Ice	
<b>ICSU</b>	International Council of Science	
<b>ICWF</b>	Interactive Computer Worded Forecast	developed at the NWS Techniques Development Laboratory

<b>ICWG</b>	International Coordinating Working Group	
<b>ICWWP</b>	Interagency Committee for World Weather Programs	GARP
<b>ID</b>	inside diameter	
<b>IDA</b>	Institute for Defense Analysis	DOD
<b>IDASS</b>	Integrated Data Assimilation/Sounding System	
<b>IDB</b>	immediate direct broadcast	
<b>IDCS</b>	image-dissector camera system	
<b>IDD</b>	Internet Data Distribution	A software system developed by Unidata for distributing real-time data over the Internet. See also Local Data Manager (LDM)
<b>IDEAS</b>	Instrumentation Development and Education in Airborne Science	
<b>IDD</b>	interface definition document	
<b>IDEA Lab</b>	Interactive's Digital Environmental Analysis Lab	An interactive computer lab organized by the Naval Postgraduate School, Monterey, California
<b>IDI</b>	Instrumentation Development and Intercomparisons	AKP
<b>IDL</b>	Interactive Display Language	
<b>IDL</b>	Interactive Data Language	A commercial product from Research Systems, Inc.

<b>IDL</b>	Interface Definition Language	an industry standard defined by the Object Management Group
<b>IDNDR</b>	International Decade for Natural Disaster Reduction	
<b>IDNHR</b>	International Decade of Natural Hazard Reduction	
<b>IDOE</b>	International Decade of Ocean Exploration	NSF, 1970-1979
<b>IDR</b>	incremental design review	
<b>IDS</b>	interdisciplinary study	
<b>IDS</b>	International Data Service	A data stream that is part of the NWS Family of Services. IDS includes international data products analogous to the domestic products on the DDS
<b>IEA</b>	International Energy Agency	London, England
<b>IEE</b>	Institute of Electrical Engineers	
<b>IEEE</b>	Institute of Electrical and Electronic Engineers	Formerly IRE (Institute of Radio Engineers)
<b>IEF</b>	Inventory Exchange Format	
<b>IEIS</b>	Integrated Earth Information Server	An on-line repository of information pertaining to Earth-related sciences
<b>IERS</b>	International Earth Rotation Service	
<b>IF</b>	intermediate frequency	
<b>IF</b>	in-flight	
<b>IFA</b>	Intensive Flux Array	
<b>IFAW</b>	International Fund for Animal Welfare	

<b>IFC</b>	Intensive Field Campaign	
<b>IFC</b>	InFlight Black Body Calibrator	
<b>IFD</b>	indirect flare detector	
<b>IFD</b>	in-flight deployment	
<b>IFEOS</b>	International Forum on Earth Observations Using Space Station Elements	
<b>IFIAS</b>	International Federation of Institutes for Advanced Study	
<b>IFOV</b>	instantaneous field of view	
<b>IFLOWS</b>	Integrated Flood Observing and Warning System	
<b>IFR</b>	instrument flight rules	
<b>IFREMER</b>	Institut Francais Re'checche pour L'Exploitation de la Mer	French research institute for ocean utilization
<b>IFYGL</b>	International Field Year for the Great Lakes	
<b>IGAC</b>	International Global Atmospheric Chemistry	
<b>IGACP</b>	International Global Atmospheric Chemistry Program	
<b>IGB</b>	International Geophysical Bulletin	
<b>IGBP</b>	International Geosphere-Biosphere Program	ICSU
<b>IGB</b>	International Geophysical Bulletin	
<b>IGC</b>	International Geophysical Cooperation	1939
<b>IGE</b>	international group elements	
<b>IGFA</b>	Intergovernmental	



	Funding Agency	
<b>IGOSS</b>	Integrated Global Ocean Station System	GARP
<b>IGPO</b>	International GEWEX Program Office	
<b>IGPP</b>	Institute of Geophysics and Planetary Physics	University of California, La Jolla
<b>IGU</b>	International Geographical Union	
<b>IGW</b>	internal gravity waves	
<b>IGY</b>	International Geophysical Year	1957-1958
<b>IHOP</b>	International H <sub>2</sub> O Project	
<b>IHOP 2002</b>	International H <sub>2</sub> O Project 2002	
<b>IIASA</b>	International Institute for Applied Systems Analysis	Austria
<b>IIOE</b>	International Indian Ocean Expedition	
<b>IIPS</b>	Interactive Information and Processing Systems [for Meteorology, Oceanography, and Hydrology]	An annual conference sponsored by the AMS
<b>IIT</b>	Illinois Institute of Technology	
<b>IITA</b>	Information Infrastructure Technology and Applications	a UCAR program
<b>IIV&amp;V</b>	independent integration, verification, and validation	
<b>IIWG</b>	International Investigator Working Group	
<b>ILEC</b>	International Lake Environment Committee	

<b>ILI</b>	Instrumentation and Laboratory Improvement	An NSF grant program
<b>ILP</b>	International Lithosphere Programme	
<b>ILS</b>	instrument landing system	
<b>ILSS</b>	Integrated Logistics Support System	
<b>image</b>		A two-dimensional array of data with values at each element of the array related to an intensity or a color.
<b>IMAGe</b>	Institute for Mathematics Applied to the Geosciences	
<b>IMAGES</b>	intermediate model for the annual and global evolution of species	
<b>IMAGES</b>	Intermediate Model for the Annual and Global Evolution of Interactive Systems	
<b>IMAGES</b>	Intermediate Model of Global Evaluation of Species	
<b>IMC</b>	International Meteorological Center	
<b>IMD</b>	Indian Meteorology Department	
<b>IMEP</b>	International Meteorological Educational Program	NAS/NRC, see IARP
<b>IMF</b>	interplanetary magnetic field	
<b>IMOS</b>	Inadvertent Modification of the Stratosphere	
<b>IMP</b>	Interface message processor ARPANET	
<b>IMP</b>	Interplanetary	

	Monitoring Platform	
<b>IMPROVE II</b>	Improvement of Cloud & Precipitation Physics in Mesoscale Models 2nd generation	
<b>IMS</b>	International Magnetospheric Study	NSF
<b>IMS</b>	Information Management Service	
<b>IMS</b>	information management system	
<b>IMSL</b>	International Mathematical and Statistical Library	
<b>IMSP</b>	International Meteorological Service Program	NAS/NRC, see IARP
<b>IMU</b>	Inertial Measurement Unit	
<b>INDEX</b>	Indian Ocean Experiment	1975
<b>INDOEX</b>	Indian Ocean Experiment	
<b>information server</b>	Software designed on the client/server model to allow people to share information (data, applications, images, etc) over the Internet	Some standard information server applications include FTP, Gopher, and WWW
<b>INFOTERRA</b>	international environmental research and referral service of UNEP	
<b>ingerster</b>	In the context of the Unidata LDM, a program such as pping that reads bytes from a data stream and creates data products	
<b>injection time In the context of the Unidata LDM, time when a data</b>	This should really be called the "injection time"	

<b>product is first injected into the IDD, an attribute of the data product that is preserved as it gets distributed to other IDD nodes</b>		
<b>INO</b>	Institute for Naval Oceanography	Bay St. Louis, Mississippi, a defunct organization once managed by UCAR
<b>INPA</b>	Instituto Nacional de Pesquisas da Amazonia	Manaus, Amazonas, Brazil
<b>INPE</b>	Instituto de Pesquisas Espaciais	Brazilian National Institute of Space Research in Sao Paulo, Brazil
<b>input</b>		The quantity to be measured (or modulated, or detected, or operated upon) that is received by an instrument.
<b>INQUA</b>	International Quaternary Research Association or International Association on Quaternary Research	1965
<b>INS</b>	Inertial Navigation System	GARP
<b>INSAT</b>	Indian National Satellite System	India's geosynchronous satellite
<b>INSTAAR</b>	Institute for Arctic and Alpine Research	University of Colorado, Boulder
<b>INSTEP</b>	Indonesian Seas Flow Through Experiment	
<b>INSU</b>	National Institute for Sciences of the Universe	French

<b>INTELSAT</b>	International Telecommunications Satellite	
<b>interface</b>	A common boundary between software systems or pieces of equipment	a user interface is the software layer that sends messages to and receives commands from whomever is at the terminal/keyboard
<b>Internet</b>	The collection of all interconnected computer networks around the globe that use the TCP/IP protocol	For Unidata sites, NSFnet is the main connection to the Internet
<b>INTEX</b>	NASA's Intercontinental Chemical Transport Experiment	
<b>INU</b>	inertial navigation unit	GARP
<b>inversion</b>		A departure from the usual decrease or increase with altitude of the value of an atmospheric property.
<b>inversion layer</b>		The layer through which this departure occurs.
<b>I/O</b>	input/output	
<b>IOC</b>	Intergovernmental Oceanographic Commission	UNESCO
<b>IOC</b>	International Ozone Commission	
<b>IOC</b>	inception of contract	
<b>IOC</b>	initial operating capability	
<b>IOP</b>	intensive observation period	
<b>IOS</b>	Input/Output Subsystem	
<b>IOS</b>	interplanetary scintillation	

<b>IP</b>	Internet protocol	The network layer for the TCP/IP protocol suite widely used to define how information is passed across the Internet
<b>IPC</b>	Institute of Paper Chemistry	
<b>IPC</b>	Instrument Processing Center	
<b>IPCC</b>	Intergovernmental Panel on Climate Change	WMO/UNEP
<b>IPEI</b>	Ionospheric Plasma and Electrodynamics Instrument	
<b>IPM</b>	interpersonal messaging	
<b>IPMMI</b>	International Photolysis Measurements and Modeling Intercomparison	
<b>IPMP</b>	Intellectual Property Management Program (UCAR)	
<b>IPO</b>	International Programs Office	NSF
<b>IPOC</b>	International Partner Operations Center	
<b>IPOMS</b>	International Polar-Orbiting Meteorological Satellite Group	
<b>ips</b>	inches per second	Not used in NCAR publications.
<b>IPT</b>	Integrated Product Teams	
<b>IPU</b>	Instrument Processor Unit	
<b>IQSY</b>	International Years of the Quiet Sun	1964-1965
<b>IQSY/EX</b>	International Quiet Years of the Sun Experiments	India

<b>IR</b>	Infrared	
<b>IR</b>	infrared	
<b>IR&amp;D</b>	internal research and development	
<b>IR-RAD</b>	Infrared Radiometer	
<b>IRAC</b>	Interdepartmental Radio Advisory Committee	
<b>IRAS</b>	Infrared Astronomical Satellite	
<b>IRC</b>	International Research Council	Superseded by ICSU
<b>IRC</b>	International Radiation Commission	IAMAP
<b>IRCAT</b>	Infrared radiometer to detect (CAT) horizontal temperature gradients	
<b>IRCTR</b>	International Research Centre for Telecommunication-transmission and RADAR	RADAR is weather related
<b>IRD</b>	Instrument Requirement Document	
<b>IRD</b>	interface requirements document	
<b>IRE</b>	Institute of Radio Engineers	Became IEEE
<b>IRH</b>	Infrared hygrometer	
<b>IRI</b>	Interagency Research Internet	
<b>IRI</b>	International Research Institute for Climate Prediction	
<b>IRICP</b>	International Research Center for Climate Prediction	
<b>IRIG</b>	Inertial Rate (MIT) or Reference (NASA) Integrating Gyroscope	
<b>IRIG</b>	Inter-range Instrumentation Group	USAF

<b>IRIS</b>	infrared interferometer spectrometer	
<b>IRIS</b>	Incorporated Research Institutions for Seismology	A consortium of 90+ institutions serving earth scientists' needs
<b>IRIS</b>	Italian Research Interim Stage	
<b>IRJE</b>	Internet remote job entry	
<b>IRLS</b>	interrogation & reading location system	
<b>IRMS</b>	Isotope Ratio Mass Spectrometer	
<b>IRR</b>	Integrated Requirements Review	
<b>IR-RAD</b>	infrared radiometer	
<b>IRS</b>	Indian Remote-sensing Satellite	
<b>IRS</b>	Information Retrieval Service	ESA
<b>IS</b>	Institute Sponsors	
<b>ISA</b>	Instrument Society of America	
<b>ISAMS</b>	Improved stratospheric and mesospheric sounder	NASA/UARS
<b>ISAS</b>	Institute of Space and Astronautical Science	Japan
<b>ISBN</b>	International Standard Book Number	
<b>ISCAT</b>	Investigation of Sulfur Chemistry in Antarctic Troposphere	
<b>ISCCP</b>	International Satellite Cloud Climatology Program	GEWEX
<b>ISDN</b>	Integrated Services Digital Network	
<b>ISF</b>	In-Situ Sensing Facility	NCAR, EOL
<b>ISF</b>	International	



	Symposium on Forecasting	
<b>ISFF</b>	Integrated Surface Flux Facilities	
<b>ISG</b>	Immersion Sensing Group	FOF
<b>ISIS</b>	International Satellites for Ionospheric Studies	NASA
<b>ISLSCP</b>	International Satellite Land-Surface Climatology Project	GEWEX
<b>ISM</b>	in situ measurements	ATD used ISM for In-Situ Measurements Project
<b>ISMG</b>	International Scientific and Management Group	GARP, WMO/IESU
<b>ISMP</b>	In-Situ Measurements Project	
<b>ISMRRM</b>	Integrated Soil Moisture Retrieval Models	
<b>ISNAR</b>	International Service for National Agricultural Research	
<b>ISO</b>	International Standards Organization	Established to promote international standards in scientific and technological fields
<b>ISOC</b>	Integrated Science Operations Center	
<b>isolated system</b>		A thermodynamic system that does not interact in any way with its surroundings.
<b>ISOS</b>	International Southern Ocean Study	
<b>ISP</b>	Internet Service Provider	
<b>ISPAN</b>	Information Stream	An experimental

	Project for AWIPS NOAAport	data stream available from FSL
<b>ISPRA</b>		A village in Italy, nearest town is Varese where The Joint Research Center of the Commission for the European Communitites is located
<b>ISR</b>	individual schedule request	
<b>ISRDB</b>	Incoherent Scatter Radar Data Base	
<b>ISRIC</b>	International Soil Reference and Information Centre	
<b>ISRO</b>	Indian Space Research Organization	India
<b>ISS</b>	Integrated Sounding System	UCAR, NCAR, ATD
<b>ISS</b>	Information Support Services	
<b>ISS</b>	Institute for Space Studies	NASA
<b>ISSE</b>	Institute for the Study of Society and the Environment	
<b>ISSN</b>	International Standard Serial Number	
<b>ISSS</b>	International Society of Soil Science	
<b>IST</b>	Instrument Support Terminal	
<b>ISTP</b>	International Solar Terrestrial Program	NCAR's ATD uses International Solar Terrestrial Physics Program
<b>ISTS</b>	Institute for Space and Terrestrial Science	
<b>ISU</b>	intermediate storage unit	

<b>ISUSS</b>	Integrated Surface and Upper-air Sounding System	SSSF
<b>ISWS</b>	Illinois State Water Survey	
<b>ISY</b>	International Space Year	1992
<b>I&amp;T</b>	integration and test	
<b>IT</b>	Information Transport	
<b>IT</b>	Information Technology	UCAR, F&A
<b>ITC</b>	Information Technology Council	Chairman, Jack Fellows, UCAR
<b>ITCT</b>	Inter-Continental Transport and Chemical Transformation	
<b>ITCZ</b>	intertropical convergence zone	
<b>ITIR</b>	Imaging Thermal Infrared	
<b>ITIR</b>	Intermediate Thermal Infrared Radiometer	
<b>ITM</b>	Ionosphere-Thermosphere-Mesosphere	
<b>ITO</b>	independent test organization	
<b>ITOS</b>	Improved Tiros Operational Satellite	
<b>ITPR</b>	Infrared temperature profile radiometer	Nimbus F
<b>ITR</b>	Institute Technical Reports	UCAR, NCAR, HAO
<b>ITS</b>	Instrument Technical Specification	guides the HIRDLS construction team at Lockheed Martin
<b>ITS/OT</b>	Institute for Telecommunications	USDC/Boulder Laboratories
<b>ITU</b>	International Telecommunications Union	

<b>ITVF</b>	Integration, Test, and Verification Facility	
<b>ITVM</b>	Integration, test, and verification model	
<b>ITWIS</b>	Integrated Terminal Weather Information System	
<b>ITWS</b>	Integrated Terminal Weather System	
<b>IUCR</b>	International Union of Crystallography	ICSU
<b>IUCRM</b>	Inter Union Commission on Radio Meteorology	URSI/IUGG
<b>IUE</b>	International Ultraviolet Explorer	1976, NASA, ESRO and Science Research Council of University of California
<b>IUGG</b>	International Union of Geodesy and Geophysics	UGGI in French ICSU
<b>IUGS</b>	International Union of Geological Sciences	ICSU
<b>IUPAB</b>	International Union of Pure and Applied Biophysics	ICSU
<b>IUPAC</b>	International Union of Pure and Applied Chemistry	ICSU
<b>IUPAP</b>	International Union of Pure and Applied Physics	ICSU
<b>IUPS</b>	International Union of Physiological Sciences	ICSU
<b>IUTAM</b>	International Union of Theoretical and Applied Mechanics	ICSU
<b>IV&amp;V</b>	independent verification and validation	
<b>IVVS</b>	Interactive Verification and Visualization System (RTVS)	


<b>IWC</b>	ice water content	
<b>IWG</b>	Implementation Working Group	A Unidata advisory committee; disbanded in 1992
<b>IWGDMGC</b>	Interagency Working Group on Data Management for Global Change	
<b>IWGGCDM</b>	International Working Group on Global Change and Data Management	
<b>IWGMFS</b>	International Working Group on Magnetic Field Satellites	
<b>IWRA</b>	International Water Resources Association	
<b>IWRS</b>	Improved Weather Reconnaissance System	

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