



## 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

### G

Acronym	Full name	Comments
<b>G- IV</b>	Gulfstream IV	
<b>G&amp;A</b>	General and Administrative	
<b>GA</b>	Billion years unit	
<b>GAARS</b>	Global Atmospheric Aerosol and Radiation Study	NCAR, NOAA, University of Arizona, University of Washington, University of Wisconsin
<b>GaAs</b>	gallium arsenide	
<b>GAC</b>	global atmospheric chemistry	
<b>GAC</b>	global area coverage	
<b>GADMAP</b>	GATE Aircraft Data Management Program	
<b>GAGE</b>	Global Atmospheric Gases Experiment	
<b>GAGE</b>	Gulf-Stream Atmospheric Gradient Exchange	
<b>GAIM</b>	Global Analysis, Interpretation and Modeling	Ocean Carbon Model Intercomparison Project, IGBP
<b>GAINS</b>	Global Air-ocean IN-situ System	shear-directed balloon project at NOAA, FSL
<b>gal</b>	galileo	Equal to an acceleration of 0.01

		meter per second squared
<b>GALA</b>	Geoscience Airborne Laser Altimeter	
<b>GALE</b>	Genesis of Atlantic Lows Experiment	
<b>GAMETAG</b>	Global Atmospheric Measurements Experiment on Tropospheric Aerosols and Gases	
<b>GAMIT</b>	not an acronym	A geodetic software package developed by MIT and SIO
<b>GAMP</b>	Global Atmospheric Measurements Program	ATD
<b>GAP</b>	GATE Advisory Panel	GARP
<b>GARP</b>	Global Atmospheric Research Program	NCAR, ATD
<b>GARP</b>	GEMPAK Analysis and Rendering Program	created at COMET as a GUI to GEMPAK
<b>GAO</b>	General Accounting Office	
<b>GAP</b>	GATE Advisory Panel	GARP
<b>GAPEX</b>	Ground-based Atmospheric Profiling Experiment	
<b>GAPS</b>	billions (10 <sup>9</sup> ) of actions per second	
<b>GARDIAN</b>	GBL Point Defense System	
<b>GARP</b>	Global Atmospheric Research Program	
<b>GAT</b>	General aviation transponder	
<b>GATE</b>	Global Atmospheric Research Programme Atlantic Tropical Experiment	1974
<b>gateway</b>		A special purpose, dedicated computer that attaches two or

		more networks and passes information traffic (packets) between them
<b>GATT</b>	General Agreement on Tariffs and Trade	
<b>GAU</b>	general accounting unit	UCAR
<b>GAW</b>	Global Atmospheric Watch	WMO
<b>GB</b>	gigabyte	
<b>Gb</b>	Gigabits	
<b>GBDS</b>	GARP Basic Data Set	
<b>Gbps</b>	gigabity (10 <sup>9</sup> ) per second	
<b>Gbyte</b>	gigabyte (10 <sup>9</sup> )	
<b>GC</b>	gas chromatograph	
<b>GCA</b>	Geophysics Corporation of America	
<b>GC-AED</b>	Gas Chromatography-Atomic Emission Detection	
<b>GCCDF</b>	Generic Control Center Development Facility	
<b>GCCM</b>	Global Carbone Cycle Modeling	
<b>GCDIS</b>	Global Change Data and Information System	
<b>GCE</b>	part of EUROTRAC	
<b>GCEC</b>	Global Change and Ecological Complexity	IGBP
<b>GCI</b>	Global Change Institute	
<b>GCI P</b>	GEWEX Continental-Scale International Project	
<b>GCM</b>	general circulation model	
<b>GCM</b>	Global Change Model	GARP
<b>GCMG</b>	Global Climate	NCAR

	Modeling Group	
<b>GCM</b>	General Circulation Model	
<b>GCMC</b>	Global Climate Modeling Group	NCAR
<b>GCMG</b>	Global Climate Modeling Group	NCAR
<b>GCOS</b>	Global Climate Observing System	WMO
<b>GCP</b>	Global Chemistry Program	
<b>GCP</b>	Global Change Program	
<b>GCP</b>	GEWEX Continental-Scale Project	1990
<b>GCRP</b>	Global Change Research Program	(use USGCRP) US Government Interagency program
<b>GCSS</b>	GWEX Cloud Systems Studies	
<b>GCTE</b>	Global Change and Terrestrial Ecosystems	IGBP
<b>GCTE</b>	Global Change and Terrestrial Ecosystems	IGBP
<b>GCTM</b>	global chemical transport model	
<b>GDAS</b>	Global Data Assimilation System	
<b>GDC</b>	GARP Data Center	
<b>GDP</b>	GARP Data Processing	
<b>GDP</b>	Ground Data Processor	
<b>GDP</b>	gross domestic product	
<b>GDP</b>	Government Development Platforms	
<b>GDPS</b>	Global Data Processing System	GARP
<b>GDR</b>	geophysical data record	
<b>GDS</b>	Global Dynamics Section	NCAR
<b>GDS</b>	GeoMet Data Services,	Formerly, a provider

	Inc.	of lightning data
<b>GED</b>	Global Ecosystem Dynamics	
<b>GEF</b>	Global Environmental Facility	World Bank, UNDP, UNEP
<b>GEIA</b>	Global Emissions Inventory Activity	
<b>GEISA</b>	Management and Study of Atmospheric Spectroscopic Information	French
<b>GEM</b>	Global Environmental Multiscale Model	
<b>GEM</b>	Geospace Environment Modeling program	
<b>GEMINI</b>	general mesonet network interpolation interface	
<b>GEMPAK</b>	General Meteorological Package	An analysis and display package developed for meteorological data developed by the NASA Goddard Space Flight Center and is now distributed and supported by UCAR, Unidata
<b>GEMS</b>	Global Environment Monitoring System	UNEP
<b>GENESIS</b>	Global Environmental and Ecological Simulation of Interactive Systems	
<b>GENPRO</b>	General Processor	a general data-processing package developed by NCAR; no longer in use or supported
<b>GEO</b>	Geosciences Directorate	NSF
<b>GEO 2000</b>	National Science Foundation's Geosciences Beyond 2000	
<b>geopotential</b>		The potential energy

		of a unit mass relative to sea level, numerically equal to the work that would be done in lifting the unit mass from sea level to the height at which the mass is located.
<b>geopotential height</b>		The height of a given point in the atmosphere in units proportional to the potential energy of unit mass at this height relative to sea level.
<b>GEOS</b>	Geostationary Earth-Orbiting Satellite	
<b>GEOSAT</b>	Geodesy Satellite	USA
<b>GEOSECS</b>	Geochemical Ocean Sections	
<b>Geosif</b>	Geoscientific Information Framework	
<b>GEU</b>	Gyro Electronics Unit	
<b>GEWEX</b>	Global Energy and Water Cycle Experiment	WCRP
<b>GEWEX</b>	Continental-Scale Project	1990
<b>GF</b>	gigaflops	
<b>GFDL</b>	Geophysical Fluid Dynamics Laboratory	A component of NOAA at Princeton University in Princeton, New Jersey
<b>GFE</b>	government furnished equipment	see GFP
<b>GFLOPS</b>	Gigaflops	billions of floating-point operations ( $10^9$ ) per second
<b>GFP</b>	Government furnished Property	
<b>GFS</b>	Global Forecast System	
<b>GFY</b>	Government Fiscal Year	

<b>GGEM</b>	Gravity Gradiometer Explore Mission	USA
<b>GGNS</b>	Grand Gulf Nuclear Station	
<b>GGI</b>	GPS Geoscience Instrument	
<b>GGS</b>	Global Geospace Science Program	
<b>GGS</b>	Global Geospace Study	
<b>GHB</b>	Goddard Handbook	
<b>GHOST</b>	Global Horizontal Sounding Technique	
<b>GHRIS</b>	Goddard high resolution spectograph	
<b>GHz</b>	Giga Hertz	Kilomega cycles per second
<b>GIF</b>	Graphics interchange format	A graphics-compression and -storage standard developed and copyrighted by CompuServe Information Service and H&R Block Company
<b>GIIS</b>	General Instrument Interface Specification	
<b>GIMMS</b>	Global Inventory and Monitoring and Modeling Study	
<b>GIMPAP</b>	GOES Product Assurance Plan	
<b>GINI</b>	GOES Ingest & NOAAPORT Interface	required to produce multiple remapped sectors of multispectral earth imagery in real time and transmit them in accordance with AWIPS product standards
<b>GIPS</b>	billions of instructions per second	
<b>GIS</b>	Geographic Information	standards are set for

	Systems	these systems by OpenGIS
<b>GISMOS</b>	Global Incoherent Scatter Measurements of Substorms	
<b>GISP</b>	Greeland Ice Sheet Program	
<b>GISS</b>	Goddard Institute for Space Studies	NASA, located at Columbia University
<b>GISST</b>	Global Sea Ice and Sea Surface Temperature	
<b>GKS</b>	graphic kernal system	a computer graphics standard
<b>GLA</b>	Goddard Laboratory of the Atmospheres	
<b>GLAS</b>	Goddard Laboratory for Atmospheric Science	NASA
<b>GLERL</b>	Great Lakes Environmental Research Lab	
<b>GLGS</b>	GOES Local Groundstation System	
<b>GLIS</b>	Global Land Information System	
<b>GLOBE</b>	Global Learning and Observations to Benefit the Environment	
<b>GLOBEC</b>	Global Ocean Ecosystems Dynamics	
<b>GLOCHEM</b>	Global Atmospheric Chemistry (or Chemical) Survey	
<b>GLOMAC</b>	part of EUROTRAC	
<b>GLONET</b>	Global Ozone Observing System	
<b>GLRS</b>	Geodynamics (or Geoscience) Laser Ranging System	
<b>GLS</b>	GOMR Limb Sounder	
<b>GLWQA</b>	Great Lakes Water Quality Agreement	

<b>GM</b>	General Motors	
<b>G-M</b>	Gent-McWilliams parameterization scheme	
<b>GMCC</b>	Geophysical Monitoring for Climatic Change	NOAA
<b>GMD</b>	geometric mean diameter	
<b>GMD-1</b>		Weather radar that is never written out
<b>GMP</b>	Ground Water Monitoring Plan	
<b>GMS</b>	Geostationary Meteorological Satellite	GMS-4 was launched from a Japanese installation in 1989 and GMS-5 from the same facility in 1995. Monitoring weather conditions, they are one link in World Weather Watch sponsored by the WMO
<b>GMSA</b>	global multivariate statistical analysis	
<b>GMT</b>	Greenwich mean time	
<b>GMU</b>	Gyro Mechanical Unit	
<b>GN</b>	ground network	
<b>GN and C</b>	guidance, navigation, and control	
<b>GNSS</b>	ground network scheduling system	
<b>GNU</b>	GNU's not UNIX (a recursive acronym)	A UNIX-compatible software system that includes a variety of tools (such as compilers and a text editor) originally developed by Richard Stallman at MIT. While GNU software is free of cost, and programmers are free to alter and build on GNU programs,

		proprietary modifications to the software by others are not allowed
<b>GOALS</b>	Global Ocean-Atmosphere-Land System	
<b>GOASEX</b>	Gulf of Alaska Experiment	Comparison with Seasat Scatterometer Observations
<b>GOCC</b>	GARP Operations Control Center	
<b>goco</b>	government owned, contractor operated	ORNL, LASL, BNL,ANL,JPL
<b>GOES</b>	Geostationary Operational Environmental Satellite	NOAA weather satellite
<b>GOESTAP</b>		An analog data circuit with GOES images
<b>GOEZS</b>	Global Ocean Euphotic Zone Study	IGBP
<b>GOFS</b>	Global Ocean Flux Study	
<b>GOM</b>	Global Observations and Modeling Project	
<b>GoMOOS</b>	Gulf of Main Ocean Observing System, Inc.	
<b>GOMOT</b>	Global Observations, Modeling and Optical Techniques Section	
<b>GOMR</b>	Global Ozone Monitoring Radiometer	
<b>GONG</b>	Global Oscillations Network Group	
<b>GOOS</b>	Global Ocean Observing System	WMO
<b>Gopher</b>		Software developed by the University of Minnesota for easily providing and accessing public information on computers linked by a TCP/IP network.

		Superseded by the Web.
<b>GOS</b>	Global Observing System	WMO
<b>GOS</b>	Geomagnetic Observing System	
<b>GOSIP</b>	Government Open Systems Interconnect Protocol	OSI
<b>GOST</b>	Goals Objectives Strategies Tactics	
<b>GOTS</b>	GALE Oceanographic Temperature Studies	
<b>GPC</b>	Global Processing Center	
<b>GPCP</b>	Global Precipitation Chemistry Project	
<b>GPIB</b>	General Purpose Interface Board	
<b>gpm</b>	geopotential meter	
<b>GPO</b>	Government Printing Office	
<b>GPP</b>	Gross Primary Productivity	
<b>GPRA</b>	Government Performance and Results Act	
<b>GPS</b>	Global Positioning System	A series of satellites used for navigation
<b>GPS</b>	Geophysical Processor System	
<b>GPS</b>	Grants Program Section	NSF
<b>GPS CORS</b>	Global Positioning System Continuously Operating Reference Stations	
<b>GPS-IPW</b>	Global Positioning System-Integrated Precipitable Water	
<b>GPS/MET</b>	GPS Meteorological Satellite	

<b>GPX</b>	A suffix which designates graphics capabilities on the DEC MicroVax system (typically seen as "DEC VAXstation/GPX.")	
<b>GRA</b>	graduate research assistant	
<b>GRACE</b>	Gravity Recovery and Climate Experiment	
<b>GRAF</b>	Gridded Representation of Analyses and Forecasts	
<b>GRASP</b>	Graphic Animation System for Professionals	A commercial software package for DOS computers that allows images to be captured from other applications or created using a built-in paint program. Copyright held by John Bridges.
<b>GRD</b>	Geophysics Research Directorate	AFCRL
<b>GREM</b>	Geopotential Research Explorer Mission	USA
<b>GRGC</b>	Geologic Record of Global Change	
<b>GRI</b>	Gas Research Institute	
<b>GRIB</b>	Grid in Binary, or GRIdded Binary	A bit-oriented format approved by the WMO that has compaction features for efficiently transmitting and storing large volumes of gridded data
<b>GRID</b>	Global Resource Information Database	UNEP
<b>GRID</b>	graphical interactive display, a computing facility	
<b>GRIP</b>	Greenland Ice Project	
<b>GRM</b>	Geopotential Research Mission	1992

<b>GRO</b>	Global and Remote Observations Section	NCAR
<b>GRP</b>	Geophysical Research program	
<b>GSA</b>	General Services Administration	
<b>GSD</b>	Geographical Situation Display	
<b>GSD</b>	geometric standard deviation	
<b>GSE</b>	Ground Support Equipment	
<b>GSF</b>	gross square feet	
<b>GSFC</b>	Goddard Space Flight Center	NASA
<b>GSN</b>	Global Seismic Network	
<b>GSOP</b>	ground systems operations	
<b>GSOS</b>	GPS Surface Observing System	
<b>GSP</b>	Geophysical Statistics Project	
<b>GST</b>	GPS Science and Technology program	formerly UNAVCO
<b>GSTS</b>	Ground Surveillance and Tracking System	
<b>GSWM</b>	Global Scale Wave Model	
<b>G/T</b>	activity per ton	
<b>GtC</b>	gigatons of carbon	
<b>GTCP</b>	Global Tropospheric Chemistry Program	
<b>GTCSM</b>	Global Tropospheric Chemistry Systems Model	
<b>GTE</b>	Global Tropospheric Experiment	
<b>GTE/TRACE</b>	Global Tropospheric Experiment/Transport and Atmospheric	

	Chemistry near the Equator	
<b>GTF</b>	Ground Test Facility	
<b>GTG</b>	GARP Task Group	NCAR
<b>GTMS</b>	Global Thermospheric Mapping Study	
<b>GTN</b>	Germantown	DOE
<b>GTOS</b>	Global Terrestrial Observing System	WMO
<b>GTP</b>	Geophysical Turbulence Program	
<b>GTS</b>	Global Telecommunication System	WMO
<b>G-TUF</b>	G-Tunnel Underground Facility	
<b>GUI</b>	graphical user interface	pronouced goeey
<b>GUISE</b>	Group for Unidata Interface Software Exploration	Formerly, a working committee of volunteers to help design a uniform applications interface for the SDM
<b>GVAR</b>	GOES Variable	The format of the data stream from the GOES1-M satellite series
<b>GVHRR</b>	Geosynchronous very high resolution radiometer	GARP
<b>GVHRR</b>	Geostationary VHRR	ATS
<b>GWC</b>	Global Weather Center	AFGWC
<b>GWE</b>	Global Weather Experiment	GARP, new name for FGGE, spring 1977
<b>GWEN</b>	Ground Wave Emergency Network	
<b>GWP</b>	global warming potential	
<b>GWPA</b>	Ground Water Protection Act	
<b>GWP</b>	global warming	

	potential
<b>GWS</b>	gateway service
<b>GZ</b>	ground zero

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