



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

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

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

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

	Inc.	of lightning data
GED	Global Ecosystem Dynamics	
GEF	Global Environmental Facility	World Bank, UNDP, UNEP
GEIA	Global Emissions Inventory Activity	
GEISA	Management and Study of Atmospheric Spectroscopic Information	French
GEM	Global Environmental Multiscale Model	
GEM	Geospace Environment Modeling program	
GEMINI	general mesonet network interpolation interface	
GEMPAK	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
GEMS	Global Environment Monitoring System	UNEP
GENESIS	Global Environmental and Ecological Simulation of Interactive Systems	
GENPRO	General Processor	a general data-processing package developed by NCAR; no longer in use or supported
GEO	Geosciences Directorate	NSF
GEO 2000	National Science Foundation's Geosciences Beyond 2000	
geopotential		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.
geopotential height		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.
GEOS	Geostationary Earth-Orbiting Satellite	
GEOSAT	Geodesy Satellite	USA
GEOSECS	Geochemical Ocean Sections	
Geosif	Geoscientific Information Framework	
GEU	Gyro Electronics Unit	
GEWEX	Global Energy and Water Cycle Experiment	WCRP
GEWEX	Continental-Scale Project	1990
GF	gigaflops	
GFDL	Geophysical Fluid Dynamics Laboratory	A component of NOAA at Princeton University in Princeton, New Jersey
GFE	government furnished equipment	see GFP
GFLOPS	Gigaflops	billions of floating-point operations (10 ⁹) per second
GFP	Government furnished Property	
GFS	Global Forecast System	
GFY	Government Fiscal Year	

GGEM	Gravity Gradiometer Explore Mission	USA
GGNS	Grand Gulf Nuclear Station	
GGI	GPS Geoscience Instrument	
GGS	Global Geospace Science Program	
GGS	Global Geospace Study	
GHB	Goddard Handbook	
GHOST	Global Horizontal Sounding Technique	
GHRS	Goddard high resolution spectograph	
GHz	Giga Hertz	Kilomega cycles per second
GIF	Graphics interchange format	A graphics-compression and -storage standard developed and copyrighted by CompuServe Information Service and H&R Block Company
GIIS	General Instrument Interface Specification	
GIMMS	Global Inventory and Monitoring and Modeling Study	
GIMPAP	GOES Product Assurance Plan	
GINI	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
GIPS	billions of instructions per second	
GIS	Geographic Information	standards are set for

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

GM	General Motors	
G-M	Gent-McWilliams parameterization scheme	
GMCC	Geophysical Monitoring for Climatic Change	NOAA
GMD	geometric mean diameter	
GMD-1		Weather radar that is never written out
GMP	Ground Water Monitoring Plan	
GMS	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
GMSA	global multivariate statistical analysis	
GMT	Greenwich mean time	
GMU	Gyro Mechanical Unit	
GN	ground network	
GN and C	guidance, navigation, and control	
GNSS	ground network scheduling system	
GNU	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
GOALS	Global Ocean-Atmosphere-Land System	
GOASEX	Gulf of Alaska Experiment	Comparison with Seasat Scatterometer Observations
GOCC	GARP Operations Control Center	
goco	government owned, contractor operated	ORNL, LASL, BNL,ANL,JPL
GOES	Geostationary Operational Environmental Satellite	NOAA weather satellite
GOESTAP		An analog data circuit with GOES images
GOEZS	Global Ocean Euphotic Zone Study	IGBP
GOFS	Global Ocean Flux Study	
GOM	Global Observations and Modeling Project	
GoMOOS	Gulf of Main Ocean Observing System, Inc.	
GOMOT	Global Observations, Modeling and Optical Techniques Section	
GOMR	Global Ozone Monitoring Radiometer	
GONG	Global Oscillations Network Group	
GOOS	Global Ocean Observing System	WMO
Gopher		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.
GOS	Global Observing System	WMO
GOS	Geomagnetic Observing System	
GOSIP	Government Open Systems Interconnect Protocol	OSI
GOST	Goals Objectives Strategies Tactics	
GOTS	GALE Oceanographic Temperature Studies	
GPC	Global Processing Center	
GPCP	Global Precipitation Chemistry Project	
GPIB	General Purpose Interface Board	
gpm	geopotential meter	
GPO	Government Printing Office	
GPP	Gross Primary Productivity	
GPRA	Government Performance and Results Act	
GPS	Global Positioning System	A series of satellites used for navigation
GPS	Geophysical Processor System	
GPS	Grants Program Section	NSF
GPS CORS	Global Positioning System Continuously Operating Reference Stations	
GPS-IPW	Global Positioning System-Integrated Precipitable Water	
GPS/MET	GPS Meteorological Satellite	

GPX	A suffix which designates graphics capabilities on the DEC MicroVax system (typically seen as "DEC VAXstation/GPX.")	
GRA	graduate research assistant	
GRACE	Gravity Recovery and Climate Experiment	
GRAF	Gridded Representation of Analyses and Forecasts	
GRASP	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.
GRD	Geophysics Research Directorate	AFCRL
GREM	Geopotential Research Explorer Mission	USA
GRGC	Geologic Record of Global Change	
GRI	Gas Research Institute	
GRIB	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
GRID	Global Resource Information Database	UNEP
GRID	graphical interactive display, a computing facility	
GRIP	Greenland Ice Project	
GRM	Geopotential Research Mission	1992

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

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

	potential
GWS	gateway service
GZ	ground zero

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