

## 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

### P

Acronym	Full name	Comments
<b>P/B</b>	priority playback	
<b>P/L-EX</b>	Payload Executive	
<b>PA</b>	position angle	
<b>PA</b>	payload accommodations	
<b>PA/CCC</b>	Payload Accommodations/Carrier Control Center	
<b>PAC</b>	Polar Atmospheric Chemistry	
<b>PACDEX</b>	PACific Dust EXperiment	
<b>PACE</b>	Precipitation Augmentation for Crops Experiment	former name of TEXMEX, q.v.
<b>PACEM</b>	Physics and Chemistry of Earth Materials	
<b>PACJET</b>	Pacific Land-falling Jets Experiment	
<b>PACLAT</b>	Pacific Latitudinal Distribution of Photochemical Trace Species	
<b>PACS</b>	Pan-American Climate Studies	
<b>PACT</b>	Professional Association of Computing and Technology	
<b>PACX</b>	Private Automatic Computer Exchange	NCAR's port selection device that

		automatically assigns users to an available port on the NCAR computer of their choice
<b>PAGE</b>	Program for the Advancement of Geoscience Education	
<b>PAGES</b>	Past Global Changes	IGBP
<b>PAIR</b>	Particulate Airborne Inlet Research	
<b>PAKIT</b>	Photochemistry and Kinetics of Important Trace gases	AKP
<b>PALE</b>	Paleoclimates from Arctic Lakes and Estuaries	
<b>PAM</b>	portable automated mesonet	Mesoscale network
<b>PAM-III</b>	Portable Automated Mesonet station	
<b>PAN</b>	peroxyacyl nitrates	
<b>PAN-CIMS</b>	PAN chemical ionization mass spectrometer	
<b>PAR</b>	Performance Assurance Requirements	
<b>PAR</b>	photosynthetically active radiation	
<b>PARS</b>	Paralleled-processing Applied Research Systems	
<b>PAS</b>	Platform Analysis System	
<b>PASE</b>	Polar Air-Show Experiment	
<b>PASIN</b>	Particle-Matter Airborne Sampling Inlet Experiment	
<b>PASJ</b>	Publications of the Astronomical Society of Japan	English language
<b>PASSCAL</b>	Program for Array Seismic Studies of the Continental Lithosphere	
<b>PAWS</b>	Psychological,	

	Atmospheric, and Weather Sciences	
<b>pB</b>	product of polarization and brightness	
<b>PBL</b>	planetary boundary layer	
<b>Pbyte</b>	petabyte (10 <sup>15</sup> bytes)	
<b>pc</b>	geomagnetic pulsations	
<b>pc</b>	continuous pulsations	
<b>PC</b>	personal computer	
<b>PCA</b>	physical configuration audit	
<b>PCAS</b>	Passive Cavity Aerosol Spectrometer	
<b>PCAST</b>	President's Council of Advisers on Science and Technology	
<b>PCC</b>	Profiler Control Center	NOAA, FSL
<b>PCDS</b>	Pilot Climate Data System	now NCDS
<b>PCM</b>	Parallel Climate Model	
<b>PCM</b>	pulse code modulation	
<b>PCM</b>	punched card machine	
<b>PCMDI</b>	Program for Climate Model Diagnosis and Intercomparison	
<b>PCMS</b>	Process and Change Management System	
<b>PCNFS</b>	Personal Computer Network File System	
<b>PCO</b>	Polar Cap Observatory	
<b>PCRGA</b>	Precipitation Chemistry, Reactive Gases, and Aerosols Section	
<b>PCWG</b>	Polar Climate Working Group	
<b>pd</b>	positive definite	math
<b>PDAM</b>	Point Data Access and Management	
<b>PDE</b>	partial differential	

	equation	
<b>pdf</b>	probability density functions	
<b>PDL</b>	Program Design Language	
<b>PDM</b>	pulse duration modulation	
<b>PCO</b>	Polar Cap Observatory	
<b>PCRGA</b>	Precipitation Chemistry, Reactive Gases, and Aerosols Section	
<b>pd</b>	positive definite	in math
<b>PDM</b>	pulse duration modulation	
<b>PDR</b>	Preliminary Design Review	
<b>PDS</b>	Planetary Data System	
<b>PDS</b>	Platform Data System	
<b>PDT</b>	Product Development Team	
<b>PDU</b>	Power Distribution Unit	
<b>PDU</b>	Protocol Data Unit	
<b>PDW</b>	preliminary design walk-through	
<b>PE</b>	primitive equation	
<b>PE</b>	payload executive	
<b>PEACE</b>	DOD atoll-drilling program for coral core sample	
<b>PEATMOS</b>	Primitive Equation and Trajectory Model Output Statistics	in probability forecasting, A.H. Murphy
<b>PEC</b>	Performance Management Committee	
<b>PECASE</b>	Presidential Early Career Award for Scientists and Engineers	
<b>PEL</b>	photo-electron layer	
<b>PELTI</b>	Passing Efficiency for the Low Turbulence Inlet	
<b>PEM</b>	Particle Environment	NASA/UARS

	Monitor	
<b>PEM</b>	Pacific Exploratory Measurements	
<b>PEM</b>	Pacific Exploratory Mission	
<b>PEP</b>	photo-electron plasma	
<b>PEPPI</b>	Photometric Eclipse Polar Plume Imager	
<b>PERFMON</b>	Performance Monitor utility	
<b>Perl</b>	Practical Extraction and Report Language	written with only initial cap
<b>PERT</b>	Performance Evaluation and Review Technique	
<b>PETA</b>	People for the Ethical Treatment of Animals	
<b>PETS</b>	performance evaluation and test system	
<b>PF</b>	Performance Factor	
<b>PFA</b>	Prime Factor Algorithm	
<b>PFA</b>	Primary Flux Array	
<b>PFS</b>	Physical Facilities Service (s)	
<b>PFU</b>	Proto Flight Unit	see PFM
<b>PGGA</b>	Permanent GPS Geodetic Array	
<b>PGS</b>	Product	
<b>PHIGS</b>	Programmer's Hierarchical Interactive Graphics System	
<b>PHIGS</b>	Portable Hierarchical Image and Graphic Standard	
<b>PHOXA</b>	Photochemical Oxidant and Acid deposition model application	
<b>PHS</b>	Public Health Service	or USPHS, United States Public Health Service

<b>PI</b>	principal investigator	
<b>pi</b>	irregular pulsations	
<b>PI/TL</b>	Principal Investigator/Team Leader	
<b>PIBALS</b>	Pilot Balloons	visually tracked free-rising balloons used for upper air measurements
<b>PICF</b>	Principal Investigator Computing Facility	
<b>pick</b>		to pierce, penetrate, or break up with a pointed instrument.
<b>PICS</b>	positive ion composition spectrometer	TWERLE
<b>PID</b>	Prototype International Directory	
<b>PIDC</b>	Precision Instrument Development Center	Taiwan
<b>PIFM</b>	practical improved flux method	
<b>PILPS</b>	Program for Intercomparison of Land Surface Parameterization Schemes	
<b>Pin</b>	Power input	
<b>PIPOR</b>	Program for International Polar Ocean Research	
<b>PIPOR</b>	Programme of International Polar Oceans Research	
<b>PIRAC</b>	PC-based Integrated Radar Acquisition Card	
<b>PIRAQ-III</b>	PC-based Radar Acquisition 3rd generation	
<b>PIREP</b>	Pilot Weather Report	
<b>PIREPS</b>	pilot reports	
<b>PIs</b>	Principal Investigators	
<b>PISP</b>	Polar Ice Sheet Program	

<b>PIXE</b>	Proton Induced X-ray Emission	
<b>P/L-EX</b>	Payload Executive	
<b>Planetary scale</b>	=A scale, =2,000 to 10,000 km	GARP
<b>PLDS</b>	Pilot Land Data System	NASA
<b>PM2.5</b>	Particulate Matter with mass median aerodynamic diameter less than 2.5 micrometers	
<b>PMA</b>	platform management application	
<b>PMB</b>	Performance Measurement Baseline	
<b>PMEL</b>	Pacific Marine Environment Laboratory	NOAA
<b>PMIP</b>	Paleoclimate Modeling Intercomparison Project	
<b>PMR</b>	Pressure Modulator Radiometer	
<b>PMR</b>	Pacific Missile Range	
<b>PMS</b>	Particle Measuring System	
<b>PMS</b>	Particle Measuring Systems, Inc.	Boulder, Colorado
<b>PMS</b>	Performance Measurement System	
<b>PMS</b>	Platform Management System	
<b>PNA</b>	Pacific/North American	
<b>PNR</b>	Profiler Network Review	
<b>Po</b>	power output	
<b>POAM</b>	Polar Ozone and Aerosol Measurement	POAM II & III Missions, NRL
<b>PoC</b>	Proof of Concept	
<b>POC</b>	project operations center	
<b>POCIBO</b>	Polar Circling Balloon Observatory	NSF grant to University of Minnesota program

		for IQSY-headed by J.R. Winckler
<b>POCM</b>	parallel ocean climate model	
<b>POD</b>	probability of detection	
<b>POES</b>	Polar Operational Environmental Satellite	United States
<b>POGO</b>	Polar Orbiting Geophysical Observatory	
<b>POISE-98</b>	POLarimetric Instrument for Solar Eclipse-98	
<b>POLARIS</b>	Photochemistry of Ozone Loss in the Arctic Region in Summer	NASA sponsored mission
<b>POLEX</b>	Polar Experiment	USSR/GARP, Arctic head budget experiment
<b>POP</b>	Parallel Ocean Program	
<b>POP</b>	Photochemical Oxidation and Products	NCAR/ACD group
<b>PoP</b>	Probability of Precipitation	(%) in forecasting
<b>POSIX</b>	Portable Operating System Interface for Computer Environments	based on UNIX
<b>pp</b>	parts per	
<b>ppb</b>	parts per billion	
<b>PCC</b>	Profiler Control Center	Boulder, Colorado
<b>pphm</b>	parts per hundred million	
<b>PPI</b>	plan-position indicator	
<b>ppm</b>	parts per million	
<b>ppmv</b>	parts per million by volume	
<b>PPO</b>	Profiler Program Office	Boulder, Colorado
<b>PPP</b>	Point-to-Point Protocol	
<b>PPP</b>	Parallelizing PreProcessor	
<b>PPS</b>	Public Products Service	NWS
<b>PPS</b>	Physical Plant Services	UCAR, NCAR, UOP



<b>pps</b>	pulses per second	
<b>PPS-PODS</b>	Precise Position System- Precise Orbit Determination System	
<b>pptv</b>	parts per trillion (by volume)	
<b>PPU</b>	Peripheral Processor Unit	
<b>PRAIRE</b>	Polarization Radar Illinois Rainfall Experiments	
<b>PRC</b>	People's Republic of China	
<b>PRC, Inc.</b>	Planning Research Corporation	AWIPS contractor
<b>PRCM</b>	Paleoclimate Reconstructions of Climate Modeling Observatory	
<b>PRAIRE</b>	Polarization Radar Illinois Rainfall Experiments	
<b>PRC</b>	People's Republic of China	Also Planning Research Corporation
<b>PRECIP</b>	Processing of Emissions by Clouds and Precipitation	A "research focus" on precipitation.
<b>Precipitable water</b>		The total atmospheric water vapor contained in a vertical column of unit cross-sectional area extending between any two specified levels, commonly expressed in terms of the height to which that water substance would stand if completely condensed and collected in a vessel of the same unit cross section.
<b>PRECP</b>	Program on Nonlinearity of Acid Precipitation Process	Also Processing of Emissions by Clouds and Precipitation

<b>PRE-STORM</b>	Preliminary Regional Experiment-STORM	
<b>Pre-AWIPS</b>	Preprototype AWIPS	
<b>PRE-STORM</b>	Preliminary Regional Experiment-STORM	
<b>PRECIP</b>	Processing of Emissions by Clouds and Precipitation	A "research focus" on precipitation
<b>PRECP</b>	Program on Nonlinearity of Acid Precipitation Process	
<b>PRECP</b>	Processing of Emissions by Clouds and Precipitation	
<b>PRF</b>	pulse repetition frequency	example: the radar has a PRF of 200 pps
<b>Primer 6600/7600</b>	NCAR/TN-62+IA	J.C. Adams, ATD, 1971, NTIS #PB93-157675
<b>PRIMO</b>	Problems Related to Ionospheric Modeling and Observations Project	
<b>PRMS</b>	precipitation runoff modeling system	
<b>PROBE</b>	Portable Remote Observations of the Environment	
<b>process</b>		A progressive forward movement from one point to another on the way to completion.
<b>PROFS</b>	Program for Regional Observing and Forecasting Services	NOAA
<b>Project LEARN</b>	Laboratory Experience in Atmospheric Research	UCAR
<b>PROM</b>	Programmable Read-Only Memory	
<b>PROPHET</b>	Program for Research on Oxidants: PHotochemistry, Emissions and Transport	

<b>PRT</b>	Pulse Repetition Time	radar
<b>PRT</b>	Platinum Resistance Thermometer	PAM
<b>PRUDENCE</b>	Prediction of Regional Scenarios and Uncertainties for Defining European Climate Change Risks and Effects	
<b>PSAC</b>	President's Science Advisory Committee	
<b>PSA</b>	Pressure Switch Assembly	
<b>PSA</b>	Problem Statement Analyzer	
<b>PSA</b>	Public Service Announcement (radio/TV term)	
<b>psc</b>	geomagnetic pulsation	
<b>PSC</b>	polar stratospheric cloud	
<b>PSC</b>	Pittsburgh Supercomputing Center	
<b>PSCN</b>	Program Support Computer Network	
<b>PSCNET</b>	Pittsburgh Supercomputing Center Network	
<b>PSE</b>	Polar Sunrise Experiment	1998
<b>pseudo front</b>		A small-scale front, formed in association with organized severe convective activity, between a mass of rain-cooled air from the thunderstorm clouds and the warm surrounding air.
<b>psi</b>	pounds per square inch	
<b>PSI</b>	plan shear indicator	
<b>psia</b>	pounds per square inch absolute	
<b>psid</b>	pounds per square inch	

	differential	
<b>psig</b>	pounds per square inch gage	
<b>PSN</b>	Piano Spaziale Nazionale	Italian National Space Plan
<b>PSOS</b>	Profiler Surface Observing System	
<b>PSPT</b>	Precision Solar Photometric Telescope	
<b>PSU</b>	Pennsylvania State University	
<b>PUP</b>	principle user position workstation	
<b>PV</b>	potential vorticity	
<b>PVC</b>	polyvinyl chloride	
<b>PVC</b>	permanent virtual circuit	
<b>PWV</b>	precipitable water vapor	
<b>PYI</b>	Presidential Young Investigators	


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