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# ABBREVIATIONS AND ACRONYMS

GODDARD SPACE FLIGHT CENTER  
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

**ab•bre•vi•a•tion** (ă-br'e-ve-a'-shun) *n.* **1.** The act or product of abbreviating **2.** A shortened form of a word or phrase used to save space when writing a document where the emphasis is on communicating information in the most concise form.

**ac•ro•nym** (ăk'-rə-nīm') *n.* A shortened form derived from the initial letters of words that make up the complete phrase being shortened, as in *NASA-National Archive for Storage of Acronyms*.

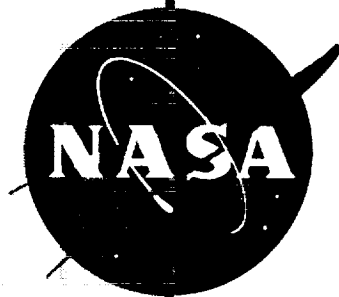
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# GSFC ABBREVIATIONS AND ACRONYMS

## Preface

The use of acronyms and abbreviations is acceptable in National Aeronautics and Space Administration (NASA) documents. However, when an acronym or abbreviation is used, it should be defined the first time it appears in the document, with the acronym or abbreviation in parentheses following the definition. Thereafter, the acronym or abbreviation may be used throughout the document without definition.

The purpose of this booklet is to provide a partial list of acronyms, abbreviations, and other short word forms, including their definitions, used in documents at the Goddard Space Flight Center (GSFC). This list does not preclude the use of other short forms of less general usage, as long as these short forms are identified the first time they appear in a document and are defined in a glossary in the document in which they are used.

This document supplements information in the GSFC Scientific and Technical Information Handbook (GHB 2200.2/April 1989). It is not intended to contain all short word forms used in GSFC documents; however, it was compiled of actual short forms used in recent GSFC documents. The entries are listed first, alphabetically by the short form, and then again (beginning on page 63), alphabetically by definition.

This document will be updated periodically, as the need arises, by the GSFC Publications Office.

All comments, inquiries, and suggestions for the inclusion of other pertinent short forms should be directed to--

Head, Publications and Graphics Services Section  
Code 253.1  
Goddard Space Flight Center  
Greenbelt, Maryland 20771



## Introduction

An abbreviation is a shortened form of a word or phrase used to save space when writing a document where the emphasis is on communicating information in the most concise form. It may be written in all capital letters (IBM, TWA, M. S.), in initial caps (Mr., Wed., Ph.D.), or in all lower cased letters (mph, rpm, f.o.b.), with or without periods.

An acronym is a shortened form derived from the initial letters of the words that make up the complete phrase being shortened. Acronyms are usually written in all caps, without periods, and most often are pronounceable as a word (e.g., NASA, SARSAT, CASI). However, some acronyms derived from initial letters have become so well known that they are written in all lower cased letters without periods (e.g., scuba: self-contained underwater breathing apparatus or laser: light amplification by stimulated emission of radiation) and incorporated into everyday language.

At Goddard, new acronyms and abbreviations are being created daily in many different divisions. While these are helpful for those in the group creating them, it is best to remember that others outside the group may not understand what is being written unless the definition of the shortened word form is given the first time it is used.



## **A**

<b>ABLE</b>	<b>Amazon Boundary Layer Experiment</b>
<b>ABS</b>	<b>Axial Bay Simulator</b>
<b>ACAD</b>	<b>Attitude Control and Determination</b>
<b>ACDS</b>	<b>Attitude Control Determination System</b>
<b>ACE</b>	<b>Advanced Composition Explorer; Attitude Control Electronics</b>
<b>ACQ</b>	<b>Acquisition</b>
<b>ACRIM</b>	<b>Active Cavity Radiometer Irradiance Monitor</b>
<b>ACS</b>	<b>Attitude Control Systems</b>
<b>ACSC</b>	<b>AEGIS Combat System Center</b>
<b>ACTS</b>	<b>Advanced Communications Technology Satellite</b>
<b>ADC</b>	<b>Affiliated Data Center</b>
<b>ADEAS</b>	<b>Attitude Determination Error Analysis System</b>
<b>ADP</b>	<b>Automatic Data Processing</b>
<b>AEDP</b>	<b>Astrometry and Engineering Data Processing</b>
<b>AEAP</b>	<b>Atmospheric Effects of Aviation Project</b>
<b>AEE</b>	<b>Atmosphere Explorer E</b>
<b>AERS</b>	<b>Advanced Engineering and Research Associates</b>
<b>AES</b>	<b>Aircraft Emissions Spectrometer</b>
<b>AESE</b>	<b>Airborne Electrical Support Equipment</b>
<b>AFM</b>	<b>Articulating Fold Mirror</b>
<b>AFP</b>	<b>Air Force Program</b>
<b>AFSCN</b>	<b>Air Force Satellite Control Network</b>
<b>AGC</b>	<b>Automatic Gain Control</b>
<b>AGSS</b>	<b>Attitude Ground Support System</b>
<b>AGU</b>	<b>American Geophysical Union</b>
<b>AIMCO</b>	<b>Automated Information Management Council</b>

AIPS	Astronomical Image Processing System
AIRS	Atmospheric Infrared Sounder
ALICE	A Large Isotopic Composition Experiment
ALT	Altimeter
ALV	Aries-Orbus Launch Vehicle
AM	Amplitude Modulation
AMAO	Advanced Missions Analysis Office
AMPTE	Active Magnetospheric Particle Tracer Explorers
AMS	Acquisition Management System
AMSU	Advanced Microwave Sounding Unit
ANDF	Architecture-Neutral Distribution Format
AOCE	Attitude and Orbit Control Electronics
AOS	Acquisition of Signal; Acousto Optical Spectrometer
AP	Applications Processor
APAE	Attached Payload Accommodation Equipment
APAFO	Advanced Particles and Fields Observatory
APC	Antenna Pattern Correction
APCO	Aperture Close Out
App.	Appendix
APR	Agency Procurement Request
APS	American Physical Society
ASAS	Advanced Solid-State Array Spectrometer
ASCII	American Standard Code for Information Interchange
ASDS	Analyzed Science Data Set
ASEM	Assembly of Station by Extravehicular Activity Methods
ASF	Alaska SAR Facility
ASG	Automatic Sequence Generator



<b>ASIC</b>	<b>Application-specific Integrated Circuit</b>
<b>ASIS</b>	<b>Axial Scientific Instrument Simulator</b>
<b>ASP</b>	<b>Attitude Sensor Package</b>
<b>ASTER</b>	<b>Advanced Spaceborne Thermal Emission and Reflection Radiometer</b>
<b>AT</b>	<b>Acceptance Testing</b>
<b>ATDRSS</b>	<b>Advanced Tracking and Data Relay Satellite System</b>
<b>ATLAS</b>	<b>Atmospheric Laboratory for Applications and Science</b>
<b>ATN</b>	<b>Advanced Television Infrared Observation Satellite (TIROS)-N</b>
<b>ATP</b>	<b>Absolute Time Processor</b>
<b>ATS</b>	<b>Absolute Time Sequence</b>
<b>ATT</b>	<b>Attitude</b>
<b>AURIO</b>	<b>Auroral Imaging Observatory</b>
<b>AVHRR</b>	<b>Advanced Very-High-Resolution Radiometer</b>
<b>AXAF</b>	<b>Advanced X-Ray Astrophysics Facility</b>
<b>AXIS</b>	<b>Access and Exchange Identification System</b>

## **B**

<b>BAe</b>	<b>British Aerospace</b>
<b>BAFO</b>	<b>Best and final offer</b>
<b>BAPS</b>	<b>Berthing and Positioning System</b>
<b>BaSE</b>	<b>Base Software Environment</b>
<b>BASG</b>	<b>Ball Aerospace Systems Group</b>
<b>BATSE</b>	<b>Burst and Transient Source Experiment</b>
<b>BBXRT</b>	<b>Broad Band X-Ray Telescope</b>
<b>BCAUS</b>	<b>Backup Control Mode Analysis and Utility System</b>
<b>BDRF</b>	<b>Bidirectional Reflectance Distribution Function</b>
<b>BDU</b>	<b>Bus Data Unit</b>
<b>BECD</b>	<b>Ball Electro-Optics and Cryogenics</b>
<b>BER</b>	<b>Bit Error Rate</b>
<b>BFEC</b>	<b>Bendix Field Engineering Corporation</b>
<b>BGO</b>	<b>Bismuth Germanium</b>
<b>BIA</b>	<b>Ball Image Analyzer</b>
<b>BNL</b>	<b>Brookhaven National Laboratories</b>
<b>BOL</b>	<b>Beginning of Life</b>
<b>BOT</b>	<b>Beginning of Tape</b>
<b>BPA</b>	<b>Blanket Purchase Agreement</b>
<b>BPOCC</b>	<b>Backup Project Operations Control Center</b>
<b>BPS</b>	<b>Bits per Second</b>
<b>BPSK</b>	<b>Biphase Shift Key</b>
<b>BRF</b>	<b>Bidirectional Reflectance Factor</b>
<b>BRTS</b>	<b>Bilateration Ranging Transponder System</b>

## C

C&DH	Command and Data Handling
C&T	Command and Telemetry
CAC	COBE Analysis Center
CADH	Communications and Data Handling
CANEX	Canadian Experiments
CAP	Complex Autonomous Payload
CAR	Cloud Absorption Radiometer
CAS	Calibrated Ancillary System; COSTAR Alignment System
CASS	Coarse Analog Sun Sensor
CATS	Comet and Tails Science
CCB	Configuration Control Board
CCD	Charge-Coupled Device
CCGSE	Customer Carrier Ground System Equipment
CCL	Closed Command Loop; Closed Conference Loop
CCR	Change Control Report; Configuration Change Request
CCRS	Canadian Center for Remote Sensing
CCSDS	Consultative Committee for Space Data Systems
CCT	Computer Compatible Tape
CCTV	Closed Circuit Television
CD	Compact Disk; Crustal Dynamics
CDAW	Coordinated Data Analysis Workshop
CDCR	Conceptual Design and Cost Review
CDDIS	Crustal Dynamics Data Information System
CDF	Common Data Format; Communications Data Formatter
CDHF	Central Data Handling Facility
CDI	Command Data Interface

CDOS	Customer Data and Operations System
CDR	Critical Design Review
CD-ROM	Compact Disk-Read Only Memory
CDU	Command Decoder Unit
CEA	Center for Extreme Ultraviolet Astrophysics
CERES	Clouds and Earth's Radiant Energy System
CFC	Combined Federal Campaign; Common Flight Computer
CFR	Code of Federal Regulations
CIIS	Common Instrument Interface Study
CIRS	Composite Infrared Spectrometer
CIS	Cluster Ion Spectrometry
CL	Common Lisp
CLAES	Cryogenic Limb Array Etalon Spectrometer
CLASS	Communications Link Analysis Simulations System
CLI	Command Line Interpreter
CM	Configuration Management
CMB	Configuration Management Board
CMC	Computer Machinery Corporation
CMD	Command
CMF	Command Management Facility
CMS	Command Management System
COBE	Cosmic Background Explorer
COM	Communications
COP	Calibrated Output Processing
COPS	Calibrated Output Processing System
COSPAS	Space System for Search of Vessels in Distress (USSR)
COSTAR	Corrective Optics Space Telescope Axial Replacement

COTR	Contracting Officer's Technical Representative
CP	Call for Proposals; Conference Publication
CPI	Comprehensive Plasma Investigation
CPL	Capillary Pumped Loop
CPU	Central Processing Unit
CR	Contractor Report
CRAF	Comet Rendezvous Asteroid Flyby
CRL	Communications Research Laboratory
CRO	Chemical Release Observation
CRT	Cathode Ray Tube
CS	C-Band Scatterometer
CSA	Charge Sensitive Amplifier
CSB	Computer Services Branch
CSC	Computer Sciences Corporation
CSDR	COBE Science Data Room
CSM	Command Storage Memory
CSMS	Communications and System Management Segment
CSS	Control and Status System
CT	Cobtrieve
CTD	Command Time of Day
CTT	Command Telemetry Terminal
CTV	Compatibility Test Van
CU	Control Unit
CUSDF	Control Unit and Science Data Formatter
CVT	Concept Verification Text

## D

DAA	Document Availability Authorization
DAAC	Distributed Active Archive Center
DADS	Design Analysis for Dynamic Systems; Data Archival and Distribution System
DAP	Detached Antenna Parameters
DARTFIRE	Diffusive and Radiative Transport in Fires Experiment
DB	Data Base
DBA	Data Base Administrator
DCE	Distributed Computing Environment
DCF	Data Capture Facility
DCMC	Defense Contracts Management Command
DCPI	Data Collection Platform Interrogation
DDF	Data Distribution Facility
DDPS	Digital Data Processing System
DE	Dynamics Explorer
DEL	Data Evaluation Laboratory
DELNI	DEC Local Network Interconnect
DEU	Data Electronics Unit
DFA	DIRBE Fine Aspect
D/G	Data Generator
DGEF	Diffraction Grating Evaluation Facility
DGIB	DSN/GSFC Interface Block
DIGS	Delta Inertial Guidance System
DIRBE	Diffuse Infrared Background Experiment
DIS	Data Interface System
DISCOS	Dynamic Interaction Simulations of Controls and Structures

DLA	Data Link Antenna
DMA	Direct Memory Access
DMR	Differential Microwave Radiometer
DMS	Data Management System
DMSP	Defense Meteorological Satellite Program
DMU	Data Management Unit
DOB	Deployable Optical Bench
DOC	Department of Commerce
DOCS	Data Operations Control System
DOF	Degree of Freedom
DOWG	Deployment Operations Working Group
DPA	Delegation of Procurement Authority; Destructive Physical Analysis
DPFT	Data Production Focus Team
DPWG	Data Processing Working Group
DRAM	Dynamic Random Access Memory
DRM	Directorate Resource Manager; Display Request Matrix
DRR	Discrepancy Report Retrofit
DRWA	Dual Roll Wrist Assembly
DSDS	Data Systems Dynamic Simulator
DSID	Data Stream Identification
DSM	Data Systems Manager
DSN	Deep Space Network
DSO	Designated Senior Official
DSP	Defense Support Program; Digital Signal Processor
DSS	Deep Survey/Spectrometer; Dummy Satellite System
DSTD	Data Systems Technology Division
DSTL	Data Systems Technology Laboratory

<b>DTF</b>	<b>Development Test Flight</b>
<b>DTM</b>	<b>DEC Test Manager</b>
<b>DTU</b>	<b>Digital Telemetry Unit</b>
<b>DUT</b>	<b>Device Under Test</b>
<b>DXS</b>	<b>Diffuse X-Ray Spectrometer</b>



## **E**

<b>EAW</b>	<b>Engineering Analysis Workstation</b>
<b>EC</b>	<b>Executive Committee</b>
<b>ECL</b>	<b>Emitter-Coupled Logic</b>
<b>ECN</b>	<b>Equipment Control Number</b>
<b>ECS</b>	<b>EOSDIS Core System</b>
<b>ECU</b>	<b>Electronic Control Unit</b>
<b>EDC</b>	<b>EROS Data Center</b>
<b>EDI</b>	<b>Electron Drift Instrument</b>
<b>EFI</b>	<b>Electric Field Investigation</b>
<b>e.g.</b>	<b>For example</b>
<b>EGRET</b>	<b>Energetic Gamma Ray Experiment Telescope</b>
<b>EGSE</b>	<b>Electrical Ground Support Equipment</b>
<b>EICD</b>	<b>Electrical Interface Control Document</b>
<b>EICIT</b>	<b>Electrical Interface Continuity and Isolation</b>
<b>EIGSE</b>	<b>Engineering Instrument Ground Support Equipment</b>
<b>EIRP</b>	<b>Effective Isotropic Radiated Powers</b>
<b>ELF</b>	<b>Extremely Low Frequency</b>
<b>ELM</b>	<b>Electronics Module</b>
<b>ELV</b>	<b>Expendable Launch Vehicle</b>
<b>EM</b>	<b>Engineering Model</b>
<b>EMAP</b>	<b>Environmental Monitoring and Assessment Program</b>
<b>EMP</b>	<b>Experiment Mounting Plate</b>
<b>ENACEOS</b>	<b>Energetic Neutral Atom Camera for the Earth Observing System</b>
<b>EOB</b>	<b>End of Block</b>
<b>EOC</b>	<b>EOS Operations Center</b>
<b>EOF</b>	<b>End of Frame</b>

EOL	End of Life
EOS	Earth Observing System
EOSDIS	EOS Data and Information System
EOS-MODIS	EOS Moderate-Resolution Imaging Spectrometer
EOSSMS	EOS Space Measurement System
EP	Explorer Platform
EPA	Environmental Protection Agency
EPACT	Energetic Particle Acceleration Composition Transport
EPIC	Energetic Particle and Ion Composition
EPIRB	Emergency Position Indicating Radio Beacon
EPOP	European Polar Orbiting Platform
EPROM	Erasable, Programmable Read-Only Memory
EPTS	Explorer Platform Training Simulator
EPU	Educational Programs Unit
ERB	Earth Radiation Budget
ERBE	Earth Radiation Budget Experiment
ERBS	Earth Radiation Budget Satellite
EROS	Earth Resources Observation Systems
ERS	Earth Resources Satellite
ESA	European Space Agency; Earth Sensor Assembly
ESB	Essential Bus
ESD	Electrostatic Discharge
ESMR	Electrically Scanning Microwave Radiometer
ESS	Engineering Support System
ESTEC	European Space Research and Technology Research Center
ETE	End to End
ETS	Electronic Test Signal

<b>ETU</b>	<b>Engineering Test Unit</b>
<b>EU</b>	<b>Electronic Unit</b>
<b>EURECA</b>	<b>European Retrievable Carrier</b>
<b>EUV</b>	<b>Extreme Ultraviolet</b>
<b>EUVE</b>	<b>Extreme Ultraviolet Explorer</b>
<b>EUVETELS</b>	<b>Extreme Ultraviolet Explorer Telemetry Simulator</b>
<b>EVA</b>	<b>Extra-Vehicular Activity</b>
<b>EVAS</b>	<b>Extra-Vehicular Activity System</b>
<b>EVEEP</b>	<b>Environmental Verification Experiment for Platform</b>
<b>EVU</b>	<b>Engineering Verification Unit</b>

## **F**

<b>FAC</b>	Ford Aerospace Corporation
<b>FAR</b>	Federal Acquisition Regulation
<b>FAST</b>	Fast Auroral Snapshot Explorer
<b>FCOM</b>	Fluorescent Components of Organic Matter
<b>FDD</b>	Flight Dynamics Division
<b>FDE</b>	Flight Dynamics Engineer
<b>FDF</b>	Flight Dynamics Facility
<b>FDSS</b>	Flight Dynamics Support System
<b>FED</b>	Facilities Engineering Division
<b>FES</b>	Fine Error Sensor
<b>FET</b>	Field-Effect Transistor
<b>FGE</b>	Fine Guidance Electronics
<b>FGS</b>	Fine Guidance Sensor; Fine Guidance System
<b>FHST</b>	Fixed Head Star Tracker
<b>FIFE</b>	First ISLSCP Field Experiment
<b>FIFO</b>	First in, First out
<b>FIP</b>	Fix in Place; Federal Information Processing
<b>FIRAS</b>	Far Infrared Absolute Spectrophotometer
<b>FIRE</b>	First ISCCP Regional Experiment
<b>FIRMR</b>	Federal Information Resources Management Regulation
<b>FITS</b>	Flexible Image Transport System
<b>FLOPS</b>	Floating Point Operations Per Second
<b>FLS</b>	Flight Software
<b>FNOC</b>	Fleet Numerical Oceanographic Center (Navy)
<b>FOA</b>	Flight Operation Analyst
<b>FOB</b>	Fixed Optical Bench

FOC	Faint Object Camera
FOP	Flight Operations Procedures
FOR	Flight Operations Review
FOS	Faint Object Spectrograph; Flight Operations Segment
FOT	Flight Operations Team
FOV	Field of View
FPA	Focal Plane Assembly
FPE	Fixed Pattern Error
FPS	Focal Plane Structure
FPSS	Focal Plane Structure Simulator
FRDD	Federal Resource Decision Document
F/S	Frame Synchronizer
FS&S	Flight Systems and Servicing
FSC	Fairchild Space Company
FSS	Flight Support System; Flight Support Structure; Fixed Satellite Service
FST	Field Support Terminal
FTAM	File Transfer, Access, and Management
FTCP	Front-end Telemetry and Command Processor
FTM	Functional Test Model
FTS	Flight Telerobotic Servicer
FUSE	Far Ultraviolet Spectroscopic Explorer
FWHM	Full Width Half Maximum
FY	Fiscal Year

## **G**

<b>GaAs</b>	<b>Gigabit Gallium Arsonide</b>
<b>GAO</b>	<b>General Accounting Office</b>
<b>GAS</b>	<b>Get Away Special</b>
<b>GBA</b>	<b>GAS Bridge Assembly</b>
<b>GBRS</b>	<b>Generic Block Recording System</b>
<b>GBSRN</b>	<b>Global Baseline Surface Radiation Network</b>
<b>GCM</b>	<b>General Circulation Model; Global Climate Model</b>
<b>GCMR</b>	<b>Ground Control Message Request</b>
<b>GCR</b>	<b>Galactic Cosmic Ray; Global Change Research</b>
<b>GCRP</b>	<b>Global Change Research Program</b>
<b>GDBS</b>	<b>Ground Data Handling System</b>
<b>GDS</b>	<b>Goldstone</b>
<b>GEOS</b>	<b>Geostationary Earth Orbiting Satellite</b>
<b>GFE</b>	<b>Government Furnished Equipment</b>
<b>GFLOPS</b>	<b>GigaFLOPS (Billion Floating Point Operations Per Second)</b>
<b>GGs</b>	<b>Global Geospace Science</b>
<b>GHRS</b>	<b>Goddard High-Resolution Spectrograph</b>
<b>GLA</b>	<b>Goddard Laboratory for Atmospheres</b>
<b>GLAS</b>	<b>Geoscience Laser Altimetry System</b>
<b>GLES</b>	<b>Goddard Leadership Education Series</b>
<b>GLRS</b>	<b>Geoscience Laser Ranging System</b>
<b>GMAN</b>	<b>Generalized Maneuver</b>
<b>GMT</b>	<b>Greenwich Mean Time</b>
<b>GN</b>	<b>Ground Network</b>
<b>GO</b>	<b>General Observer</b>
<b>GOADA</b>	<b>GOES-1 Attitude Dynamics Simulator in Ada</b>

<b>GOES</b>	<b>Geostationary Operational Environmental Satellite</b>
<b>GOS</b>	<b>Geomagnetic Observing System</b>
<b>GOWG</b>	<b>Ground Operations Working Group</b>
<b>GPS</b>	<b>Global Positioning System</b>
<b>GRIS</b>	<b>Gamma-Ray Imaging Spectrometer</b>
<b>GRO</b>	<b>Gamma-Ray Observatory</b>
<b>GRODY</b>	<b>Gamma-Ray Dynamics Simulator</b>
<b>GRS</b>	<b>Gamma-Ray Remote-Sensing Spectrometer</b>
<b>GRT</b>	<b>Germanium Resistance Thermistor</b>
<b>GRTS</b>	<b>Gamma-Ray Observatory Remote Terminal System</b>
<b>GSA</b>	<b>General Services Administration</b>
<b>GSBAC</b>	<b>General Services Board of Contract Appeals</b>
<b>GSE</b>	<b>Ground Support Equipment</b>
<b>GSFC</b>	<b>Goddard Space Flight Center</b>
<b>GSOISU</b>	<b>Ground Systems Operations, Information Systems and Utilization</b>
<b>GSS</b>	<b>GOES Simulation System; Ground Support System</b>
<b>GST</b>	<b>Greenwich Sidereal Time</b>
<b>GSTDN</b>	<b>Ground Spaceflight Tracking and Data Network</b>
<b>GTAW</b>	<b>Generic Trend Analysis Workstation</b>
<b>GTDM</b>	<b>Generic Time Division Multiplexed</b>
<b>GTE</b>	<b>Global Tropospheric Experiment</b>
<b>GTO</b>	<b>Guaranteed Time Observers</b>
<b>GTSIM</b>	<b>Generic Telemetry Simulator</b>
<b>GUI</b>	<b>Graphical User Interface</b>

## H

HAASP	High Altitude Aircraft Support Project
HALOE	Halogen Occultation Experiment
HASE	High Arctic Stratus Experiment
HBCU	Historically Black Colleges and Universities
HBR	High Bit Rate
HCE	Heater Control Electronics
HCF	Harvard Cyclotron Facility
HCPL	Hybrid Capillary Pumped Loop
HDDR	High Density Digital Recorder
HDOS	Hughes Danbury Optical Systems
HDRR	High Data Rate Receiver
HED	High Energy Detector
HEIDI	High Energy Imaging Device
HEMT	High Electron Mobility Transistor
HEP	High Energy Particles
HEXTE	High Energy X-Ray Timing Experiment
HGA	High Gain Antenna
HGA-S	High Gain Antenna Helical Type (S-Band)
HGA-X	High Gain Antenna Horn Type (X-Band)
HH	Hitchhiker
HIMSS	High Resolution Microwave Spectrometer Sounder
HIRDLS	High Resolution Dynamics Limb Sounder
HIRIS	High Resolution Imaging Spectrometer
HK	Housekeeping
HOI	Hole Orbit Injection
HOMS	Hubble Opto-Mechanical Simulator



HOP	Halo Plasma Analyzer
HP	Hot Plasma Analyzer
HPCC	High Performance Computing and Communications
HPE	Heat Pipe Experiment
HPP	Heat Pipe Performance
HPT	High Pressure Transducer
HQ	Headquarters
HRDS	High Rate Digital Switch
HRS	High Resolution Spectrograph; High Resolution Spectrometer
HSA	Horizon Sensor Assembly
HSC	High Speed Controller
HSIF	Hardware Software Interface Facility; Hubble Interface Facility
HST	Hubble Space Telescope
HSTOCC	Hubble Space Telescope Operations Control Center
HSTOMS	Hubble Space Telescope Observatory Management Systems
HST REV	Hubble Space Telescope Revisit
HTSC	High Temperature Superconductor
HV	High Voltage
HYDRA	Fast Plasma Analyzer
HZ	Hertz

## I

I	Injection
I&T	Integration and Test
IAD	Interface Agreement Document
IBC	Impurity Band Conduction
IBSS	Infrared Background Signature Survey
IC	Identification Code; Integrated Circuit
ICA	Interface Control Agreement
ICC	Intercenter Committee on Information Resources Management; Instrument Control Center
ICD	Interface Control Document; Interface Control Drawing
ICDR	Internal Critical Design Review
ICE	International Cometary Explorer
ICF	Instrument Control Facility
ICR	Internal Change Request
ICS	Ion Composition Subsystem
ID	Idle Format; Identification
IDD	Instrument Definition Document; Instrument Description Document
IDL	Interactive Data Language
IDPU	Instruments Data Processing Unit
IDSO	International Data Systems Office
IEC	Interstate Electronics Corporation
IEEE	Institute of Electrical and Electronics Engineers
IEHT	Intensifier High Tension Unit
I/F	Interface
IFB	Invitation for Bid
IFC	Intensive Field Campaigns

IFG	Interferogram
IGARSS	International Geosciences and Remote Sensing Symposium
IGBP	International Geosphere-Biosphere Program
IGFOV	Instantaneous Geometric Field of View
IGSE	Instrument Ground Support Equipment
IICF	Interdisciplinary Investigator's Computing Facility
IIH	Instrument Interface Hardware
IIS	Integrated Information System
ILSP	Integrated Logistics Support Plan
ILV	Intermediate Launch Vehicle
IMCA	Image Motion Compensation Actuator
IML	International Microgravity Laboratory
IMP	Instrument Mounting Platform; Interplanetary Monitoring Platform
IMS	Information Management System; Interference Mitigation Schedule
IMTEC	Information Management and Technology Division
INCA	Interactive Control Analysis
INIT	Initialization
I/O	Input/Output
IOAHG	Interrange Operations Ad Hoc Group
IOS	Indian Ocean Station
IOWG	Instrument Operations Working Group
IP	Intensive Period
IPD	Information Processing Division
IPDU	Instrument Power Distribution Unit
IPEI	Ionospheric Plasma and Electrodynamics Instrument
IR	Infrared; Integrated Receiver
IRA	Infrared Associates

IRAS	Infrared Astronomical Satellite
IRCD	Interface Requirements Control Document
IRIS	Infrared Interferometer Spectrometer; Italian Research Interim Stage
IRM	Information Resources Management
IRMA	Ignition Recovery Module Assembly
IRP	Inertial Reference Package
IRS	Infrared Sources; Internal Reference Source
IRU	Inertial Reference Unit
ISAGE	Imager and Sounder Analysis Ground Equipment
ISAMS	Improved Stratospheric and Mesospheric Sounder
ISAS	Institute of Space and Astronautical Science (Japan)
ISCCP	International Satellite Cloud Climatology Project
ISEE	International Sun-Earth Explorers
ISG	ISTP Scheduling Group
ISI	Instrument/Spacecraft Interface
ISLSCP	International Satellite Land Surface Climatology Project
ISO	International Standards Organization
ISPDR	Integrated System Preliminary Design Review
ISRB	International Surface Radiation Budget Project
IST	Integrated System Test; Instrument Support Terminal
ISTP	International Solar and Terrestrial Physics
ITC	Information Technology Center
ITCZ	Intertropical Convergence Zone
ITD	Instrument Test Dewar
ITT	Independent Testing Team; International Telephone and Telegraph
ITTB	Instrument Thermal Test Bed
IUE	International Ultraviolet Explorer

<b>IUEOCC</b>	<b>IUE Operations Control Center</b>
<b>IUS</b>	<b>Inertial Upper Stage</b>
<b>IVT</b>	<b>Independent Verification Team; Interface Verification Test</b>
<b>IWG</b>	<b>Investigators' Working Group</b>

## **J**

<b>JEC</b>	<b>Joint Evaluation Committee</b>
<b>JHU</b>	<b>Johns Hopkins University</b>
<b>JIS</b>	<b>Joint Integrated Simulation</b>
<b>JOVE</b>	<b>Joint Venture</b>
<b>JPL</b>	<b>Jet Propulsion Laboratory</b>
<b>JPOP</b>	<b>Japanese Polar Orbiting Platform</b>
<b>JSC</b>	<b>Johnson Space Center</b>

## **K**

<b>K</b>	<b>Kelvin</b>
<b>KBPS</b>	<b>Kilobits Per Second</b>
<b>KCRT</b>	<b>Keyboard CRT</b>
<b>Km</b>	<b>Kilometer</b>
<b>KMI</b>	<b>Kennedy Management Instruction</b>
<b>KONUS</b>	<b>Soviet Gamma-Ray Instrument</b>
<b>KSC</b>	<b>Kennedy Space Center</b>
<b>kVA</b>	<b>Kilo-volt Ampere</b>

## L

L	Launch
LAC	Local Area Coverage
LAGEOS	Laser GEODynamics Satellite
LAN	Local Area Network
LAND	Laser GEODynamics Satellite Active Nutation Damper
LANL	Los Alamos National Laboratory
LaRC	Langley Research Center
LASAL	Large Aperture Scanning Airborne Lidar
LASCO	Light and Spectrometric Coronagraph
laser	Light amplification by stimulated emission of radiation
LAWS	Laser Atmospheric Wind Sounder
LCP	Left Circular Polarization
LCR	Launch Control Room
LDB	Long Duration Balloon
LDBP	Long Duration Balloon Program
LED	Low Energy Detector
LEMS	Low Energy Magnetic Spectrometer
LEOP	Launch and Early Orbit Phase
LEP	Low Energy Particles
LeRC	Lewis Research Center
LET	Linear Energy Transfer
LGA	Low Gain Antenna
LION	Low Energy Ion and Electron Instrument
LIRIS	Loral Infrared Imaging System
LIS	Lightning Imaging Sensor
LISA	Large Isotope Spectrometer for Astromag



LITE	Lidar In-Space Technology Experiment
LLR	Lunar Laser Ranging
LMS	Lightning Mapper Sensor
LMU	Logical Memory Unit
LOBT	Local On-Board Time
LOR	Line Outage Recorder
LOS	Line of Sight; Loss of Signal
LP	Line Printer
LPARL	Lockheed Palo Alto Research Laboratory
LPF	Low Pass Filter
LPSP	Laboratoire de Physique Stellaire et Planetaire (France)
LRDPS	Low Rate Data Processing System
LSA	Land System Analysis
LSR	Launch Support Room
LTAS	Launch Trajectory Acquisition System; Launch Trajectory Ascent System
LVDT	Linear Variable Differential Transformer
L/W BAPS	Light/Weight Berthing and Positioning System
LWP	Long Wavelength Primary
LWR	Long Wavelength Redundant
LZP	Level Zero Processing
LZPS	Level Zero Processing System

## M

M&DOR	Mission and Data Operations Review
M&R	Maintenance and Refurbishment
MA	Multiple Access
MABE	Multiple Access Beamforming Equipment
MACs	Modular Attitude Control Data Base
MACS	Modular Attitude Control Subsystem
MAMA	Multinode Microchannel Array
MAMI	Modeling of the Atmosphere-Magnetosphere-Ionosphere
MAR	Mission Analysis Room
MASS	Mass Spectrometer
MCA	Multichannel Analyzer
MCC	Mid-Course Correction; Mission Control Center; Motor Control Center
MCS	Mesoscale Convective System
MDA	Motorized Door Assembly
MDI	Michelson Doppler Imager
MDI-H	MDI-Helioseismology
MDI-M	MDI-Magnetogram
MDM	Multiplexer/Demultiplexer
MDP	Modulator/Demodulator Predictor
MDS	Maintenance and Development System
MDSDS	Mass Data Storage and Delivery System
MECO	Main Engine Cutoff
MEDS	Modular Environment for Data Systems
MEICA	Medium Energy Ion Composition Analyzer
MELV	Medium Class Expendable Launch Vehicle

MES	Master Exercise Schedule
MET	Meteorological
MetOCC	Meteorological Operations Control Center
METSAT	Meteorological Satellite
MFE	Magnetic Fields Experiment
MFI	Magnetic Fields Investigation
MGA	Medium Gain Antenna
MGF	Magnetic Field
MGT	Management
MHS	Message Handling System; Microwave Humidity Sounder
MI	Mode Indicator
MICD	Mechanical Interface Control Drawing
MIDAS	Meteorological Information Display and Analysis System
MIIP	Mobile Instantaneous Impact Prediction
MIL	Merritt Island Tracking Station
MIL-71	Merritt Island DSN Launch Complex
MIL-STD	Military-Standard
MILA	Merritt Island Launch Annex, Tracking Station
MIMR	Multifrequency Imaging Microwave Radiometer
MIP	Mission Implementation Plan
MIRD	Mission Implementation Requirements Document
MIRP	Manipulated Information Rate Processor
MIS	Management Information System
MISR	Multiangle Imaging Spectro-Radiometer
MLCE	Maximum Likelihood Cloud Estimation
MLE	Maximum Likelihood Estimation
MLS	Microwave Limb Sounder

MLV	Medium Expendable Launch Vehicle
MMAG	Martin Marietta Astronautics Group
MMS	Matra Marconi Space; Multimission Spacecraft
MO&DSD	Mission Operations and Data Systems Directorate
MOC	Mission Operations Center
MOD	Mission Operations Division
MODIS	Moderate-Resolution Imaging Spectrometer
MODIS-N	Moderate-Resolution Imaging Spectrometer-NADIR
MODIS-T	Moderate-Resolution Imaging Spectrometer-TILT
MODNET	MO&DSD Operational/Development Network
MOLA	Mars Observer Laser Altimeter
MOM	Mission Operations Manager
MOP	Mission Operations Plan
MOPITT	Measurement of Pollution in the Troposphere
MOPR	Mission Operations Planning Review
MOR	Mission Operations Room
MOSES	Mission Operations, Systems Engineering, and Software
MOSO	Mission Operations Systems Office
MOU	Memorandum of Understanding
MP	Mission Planning
MPE	Mission Peculiar Equipment
MPG	Mission Planning Group
MPP	Massively Parallel Processor
MPT	Mission Planning Terminal
MRB	Material Review Board
MRR	Manufacturing Readiness Review
MRT	Mission Readiness Testing

<b>ms.</b>	<b>Manuscript</b>
<b>MSB</b>	<b>Most Significant Bit</b>
<b>MSBLS</b>	<b>Microwave Scanning Beam Landing System</b>
<b>MSC</b>	<b>Mobile Servicer Carrier</b>
<b>MSFC</b>	<b>Marshall Space Flight Center</b>
<b>MSG</b>	<b>Message Facility</b>
<b>MSIS</b>	<b>Mass Spectrometer Incoherent Scatter</b>
<b>MSOCC</b>	<b>Multisatellite Operations Control Center</b>
<b>MSR</b>	<b>Monthly Status Review</b>
<b>MSS</b>	<b>Mass Storage Subsystem; Matrix Switch System; Message Switching System (NASCOM); Multispectral Scanner</b>
<b>MST</b>	<b>Mast (Fluxgate and Search Coil)</b>
<b>MTG</b>	<b>Maintenance Test Group</b>
<b>MTM</b>	<b>Mirror Transport Mechanism</b>
<b>MTOF</b>	<b>Mass Time of Flight</b>
<b>MTR</b>	<b>Magnetic Tape Recorder</b>
<b>MU-SPIN</b>	<b>Minority University-Space Interdisciplinary Network</b>

## N

N/A	Not Applicable
NAE	Nuclear Astrophysics Explorer
NAR	Non-Advocate Review
NARA	National Archives and Records Administration
NASA	National Aeronautics and Space Administration
NASCOM	NASA Communications
NASDA	National Space Development Agency (of Japan)
NASTI	Nucleus and Asteroid Science Team (Interdisciplinary)
NAV	DSN Navigation
NBS	Neutral Buoyancy Simulator
NCAR	National Center for Atmospheric Research
NCC	Network Control Center
NCCS	NASA Center for Computational Sciences
NCDC	National Climate Data Center
NCDS	NASA Climate Data System
N-COH	Non-Coherent
NCPS	Network Command Processor System
ND	Nutation Damper
NDLM	NASA Data Link Model
NDPR	NASA Defense Procurement Request
NDVT	Normalized Difference Vegetation Index
NFEP	NASCOM Front-end Processor
NFOV	Narrow Field of View
NGIMS	Neutral Gas and Ion Mass Spectrometer
NGS	NSSDC Graphics System
NGT	NASA Ground Terminal

NHB	NASA Handbook
NIB	Noninterfering Basis
NMI	NASA Management Instruction
NMOS	NASA Management and Operations Support
NO	New Obligation Authority
NOAA	National Oceanic and Atmospheric Administration
NOCC	Network Operations Control Center
NODIS	NASA On-Line Directives Information System
NOSP	Network Operations Support Plan
NPSC	National Physical Sciences Consortium
NPV	Net Present Value
NRAO	National Radio Astronomy Observatory
NRC	National Research Council
NRL	Naval Research Laboratory
NRT	Near Real Time
NRZ	Nonreturn to Zero
NRZ-L	Nonreturn to Zero Level
NRZ-M	Nonreturn to Zero Mark
NSBF	National Scientific Balloon Facility
NSCAT	NASA Scatterometer
NSF	National Science Foundation
NSI	NASA Science Internet
NSIDC	National Snow and Ice Data Center
NSP	NASA Support Plan
NSRS	NASA Safety Reporting System
NSSDC	National Space Science Data Center
NST	Navigation Technology Satellite

<b>NTE</b>	<b>Not to Exceed</b>
<b>NTEU</b>	<b>National Treasury Employees Union</b>
<b>NTSB</b>	<b>National Transportation Safety Board</b>
<b>NURE</b>	<b>National Uranium Research Evaluation</b>
<b>NUSCAT</b>	<b>New Airborne Scatterometer</b>



## O

OA	Operations Agreement
O/A	Orbit/Attitude
OAI	Optical Auroral Imager
OAST	Office of Aeronautics and Space Technology
OATS	Orbit Adjust Thrusters
OBC	Onboard Computer
OBDH	Onboard Data Handling
OBT	Onboard Time
OCC	Operations Control Center
OD	Operational Downlink; Orbit Determination
ODA	Office Document Architecture
ODF	Orbit Data File
ODM	Operations Data Message
ODN	Operations Data Network; Operations Device Network
OFAD	Optical Field Angle Distortion
OG	Organized Command
OGO	Orbiting Geophysical Observatory
OIG	Office of the Inspector General
OJT	On-the-Job Training
OLCAS	On-line Cost Accrual Systems
OLR	Outgoing Longwave Radiation
OLS	Orbital Launch Services
OMS	Observatory Management System; Orbital Maneuvering System
OOF	Operational Overflow Facility
OP	Operations Program
OPM	Office of Personnel Management; Optics Module

OPS	Operations
ORR	Operational Readiness Review
ORU	Orbital Replacement Unit
ORUC	Orbital Replacement Unit Carrier
OS	Operating System
OSC	Orbital Science Corporation
OSCF	Operations Support Computing Facility
OSF	Open Software Foundation
OSI	Open Systems Interconnection
OSL	Orbital Solar Laboratory; Orbital Space Laboratory
OSO	Office of Solar Observatory; Office of Space Operations
OSS	Observation Support System
OSSA	Office of Space Science and Applications
OSSE	Oriented Scintillation Spectrometer Experiment
OTA	Optical Telescope Assembly
OTF	Optical Transfer Function; Optimum Traffic Frequency
OTP	Orbital Time Processor
OTS	Orbit Transfer System
OTV	Orbit Transfer Vehicle
OVCXO	Oven Controlled Crustal Oscillator
OWS	Orbiting Workshop

## **P**

<b>PAB</b>	<b>Procurement Analysis Branch</b>
<b>PACER</b>	<b>Packer Processor</b>
<b>PACOR</b>	<b>Packet Processor</b>
<b>PAD</b>	<b>Project Approval Document</b>
<b>PAF</b>	<b>Payload Attach Fitting</b>
<b>PAIP</b>	<b>Performance Assurance Implementation Plan</b>
<b>PAM</b>	<b>Payload Assist Module</b>
<b>PANT</b>	<b>Probe Antenna</b>
<b>PAP</b>	<b>Payload Adapter Plate</b>
<b>PAR</b>	<b>Performance Assurance Requirements</b>
<b>PB</b>	<b>Playback</b>
<b>PBIU</b>	<b>Power Bus Interface Unit</b>
<b>PC</b>	<b>Personal Computer; Printed Circuit</b>
<b>PCD</b>	<b>Power Converter and Distributor</b>
<b>PCH</b>	<b>Program Critical Hardware</b>
<b>PCM</b>	<b>Pulse Code Modulation</b>
<b>PCS</b>	<b>Pointing Control Subsystem</b>
<b>PCT</b>	<b>Potential Contact Time</b>
<b>PCU</b>	<b>Power Control Unit; Proportional Counter Unit; Pyro Control Unit</b>
<b>PDB</b>	<b>Project Data Base</b>
<b>PDF</b>	<b>Programmable Data Formatter; Project Data Format</b>
<b>PDI</b>	<b>Payload Data Interleaver</b>
<b>PDL</b>	<b>Program Design Language</b>
<b>PDMP</b>	<b>Project Data Management Plan</b>
<b>PDOS</b>	<b>Power Disk Operating System</b>
<b>PDR</b>	<b>Preliminary Design Review</b>

PDS	Production Data Set; Project Data Set
PDSI	Palmer Drought Severity Index
PDU	Power Distribution Unit
PEACE	Plasma Energy Angle Composition Experiment
PEB	Performance Evaluation Board
PED	Payload Equipment Deck; Platform Equipment Deck
PEM	Particle Environment Monitor
PEP	Polynomial Error Protection
PEPCO	Potomac Electric Power Company
PER	Pre-Environmental Review
PERD	Project Element Requirements Document
PERT	Program Evaluation and Review Technique
PFRR	Poker Flat Research Range (Alaska)
PGS	Product Generation System
PHSF	Payload Hazardous Servicing Facility
PI	Principal Investigator
PIA	Payload Interface Adapter
PICF	Principal Investigator's Computing Facility
PIM	Peripheral Interface Module
PIMS	Photo Image Management System
PIP	Payload Integration Plan
PIXIE	Polar Ionospheric X-Ray Imaging Experiment
PLDS	Pilot Land Data System
PLM	Payload Module
PM	Phase Modulation
PMOD	Physikalisch-Meteorologisches Observatorium Davos
PMR	Project Management Review

<b>PMS</b>	<b>Performance Measurement System</b>
<b>PMST</b>	<b>Procurement Management Survey Team</b>
<b>PMU</b>	<b>Physical Memory Unit</b>
<b>PN</b>	<b>Pseudorandom Noise</b>
<b>PNP</b>	<b>Prenegotiation Plan</b>
<b>POCC</b>	<b>Payload Operations Control Center</b>
<b>POEM</b>	<b>Polar Orbiting Earth Mission</b>
<b>POIC</b>	<b>Payload Operations Integration Center</b>
<b>POLAR</b>	<b>Polar Auroral Plasma Physics Spacecraft</b>
<b>POMM</b>	<b>Pick-off Mirror Mechanism</b>
<b>POP</b>	<b>Project Operating Plan</b>
<b>PP</b>	<b>Post Pass</b>
<b>PPF</b>	<b>Polar Platform</b>
<b>PPL</b>	<b>Preferred Parts List</b>
<b>PPM</b>	<b>Parts Per Million</b>
<b>PR</b>	<b>Precipitation Radar; Purchase Request</b>
<b>PRCB</b>	<b>Payload Review Control Board</b>
<b>PROC</b>	<b>Procedure</b>
<b>PROM</b>	<b>Programmable Read-Only Memory</b>
<b>PROMIS</b>	<b>Polar Regions Outer Magnetosphere International Study</b>
<b>PRR</b>	<b>Preliminary Requirements Review</b>
<b>PRS</b>	<b>Payload Retention System</b>
<b>PRSDU</b>	<b>Payload Retention System Drive Unit</b>
<b>PRT</b>	<b>Pass Readiness Test</b>
<b>PSAT</b>	<b>Predicted Site Acquisition Table</b>
<b>PSCN</b>	<b>Packet Switch Communications Network; Program Support Communication Network</b>
<b>PSCU</b>	<b>Power Signal Control Unit</b>

<b>PSD</b>	<b>Power Spectral Density</b>
<b>PSDU</b>	<b>Power Switching and Distribution Unit</b>
<b>PSE</b>	<b>Power System Electronics; Power Supply Electronics; Programmable Serializer</b>
<b>PSEA</b>	<b>Pointing and Safemode Electronics Assembly</b>
<b>PSI</b>	<b>Plasma Source Instrument; Pressure Systems Incorporated</b>
<b>PSIB</b>	<b>Power System Interface Box</b>
<b>PSK</b>	<b>Phase Shift Key</b>
<b>PSM</b>	<b>Power Switching Module</b>
<b>PSR</b>	<b>Program Status Review</b>
<b>PSS</b>	<b>Portable Simulator System; Portable Spacecraft Simulator</b>
<b>PTV</b>	<b>Preliminary Thermal Vacuum</b>
<b>Pubs.</b>	<b>Publications</b>
<b>PWB</b>	<b>Printed Wire Board</b>
<b>PWF</b>	<b>Plasma Wave Facility</b>
<b>PWI</b>	<b>Plasma Wave Instrument</b>

## Q

QCD	Quantum Chromodynamics
QDSB	Quadrature Double Sideband
QED	Quantum Electrodynamics
QPLT	Quiet Propulsion Lift Technology
QSO	Quasi-Stellar Radio Source
QUADDL	Quality Assurance and Detector Development Laboratory

## **R**

<b>R&amp;D</b>	<b>Research and Development</b>
<b>RAC</b>	<b>Remote Analysis Computer</b>
<b>RAIDS</b>	<b>Rapid Antiship Missile Integrated Defense System</b>
<b>RAM</b>	<b>Random Access Memory</b>
<b>RANG</b>	<b>Ranging</b>
<b>RAP</b>	<b>Restricted Access Processor</b>
<b>RAPID</b>	<b>Research With Adaptive Particle Imaging Detectors</b>
<b>RARR</b>	<b>Range and Range Rate</b>
<b>RAS</b>	<b>Refractive Aberration Simulator</b>
<b>RCC</b>	<b>Range Commanders Council</b>
<b>RCP</b>	<b>Right Circular Polarization</b>
<b>RCS</b>	<b>Reaction Control System</b>
<b>RCVR</b>	<b>Receiver</b>
<b>RDAF</b>	<b>Remote Data Analysis Facility</b>
<b>RDD</b>	<b>Return Data Delay</b>
<b>RDP</b>	<b>Report Documentation Page (Bib sheet)</b>
<b>RDR</b>	<b>Reduced Data Records</b>
<b>RE</b>	<b>Earth Radius</b>
<b>REA</b>	<b>Reaction Engine Assembly</b>
<b>REM</b>	<b>Roentgen Equivalent in Man</b>
<b>RESSAC</b>	<b>C-Band Radar Ocean Wave Spectrometer</b>
<b>REU</b>	<b>Remote Electronics Unit</b>
<b>RF</b>	<b>Radio Frequency</b>
<b>RFB</b>	<b>Radio Frequency Byte</b>
<b>RFI</b>	<b>Request for Information</b>
<b>RFP</b>	<b>Request for Proposal</b>



RFSOC	Radio Frequency Simulations Operations Center
RGA	Rate Gyro Assembly
RGB	Red Giant Branch
RGS	Reflection Grating Spectrometer
RHCP	Right Hand Circular Polarization
RI	Remote Interface
RID	Review Items Dispositions
RIU	Remote Interface Unit
RJ	Rotary Joint
RM	Reconfiguration Module
RMS	Remote Manipulator Systems
ROM	Read Only Memory; Rough Order Magnitude
ROSAT	Roentgen Satellite
ROWS	Radar Ocean Wave Spectrometer
RP	Reference Publication
RPC	Remote Power Controller
RPCM	Remote Power Control Module
RPM	Revolutions per Minute
RPWI	Radio and Plasma Wave Instrument
RRC	Robotics Research Corporation
R-S	Reed-Solomon (Code)
RS	Solar Radii
RSD	Raw Sensor Data
RSIPE	Radial Scientific Instrument Protective Enclosure
RSS	Root Sum Square
RSTER	Radar Surveillance Technology Experimental Radar
RSU	Rate Sensor Unit

<b>RT</b>	<b>Real Time</b>
<b>RTCS</b>	<b>Real Time Computer System</b>
<b>RTI</b>	<b>Research Triangle Institute</b>
<b>RTM</b>	<b>Reduced Instrument Analytical Thermal Model</b>
<b>RTP</b>	<b>Relative Time Processor</b>
<b>RTS</b>	<b>Relative Time Sequence</b>
<b>RTSW</b>	<b>Real Time Solar Wind</b>
<b>RTU</b>	<b>Remote Terminal Unit</b>
<b>RUPS</b>	<b>Recorder/Utility Processor System</b>
<b>RX</b>	<b>Receive</b>

## **S**

<b>S&amp;SDB</b>	<b>Small and Small Disadvantaged Business</b>
<b>SA</b>	<b>Single Access; Solar Array</b>
<b>SAA</b>	<b>South Atlantic Anomaly</b>
<b>S Ang</b>	<b>Sun Aspect Angle</b>
<b>SAB</b>	<b>Sorting Into Angular Bins</b>
<b>SAC</b>	<b>Single Access Compartment; Solar Array Carrier</b>
<b>SAC-B</b>	<b>Satellite de Aplicaciones Cientificas</b>
<b>SAD</b>	<b>Solar Array Development</b>
<b>SADA</b>	<b>Solar Array Drive Assembly</b>
<b>SADE</b>	<b>Solar Array Drive Electronics</b>
<b>SAIC</b>	<b>Science Application International Corporation</b>
<b>SAGA</b>	<b>Solar Array Gains Augmentation</b>
<b>SAGE</b>	<b>Stratospheric Aerosols and Gas Experiment</b>
<b>SAMPEX</b>	<b>Solar, Anomalous, and Magnetospheric Particle Explorer</b>
<b>SAMS</b>	<b>Support and Maintenance Service</b>
<b>SANC</b>	<b>Spacelab Ancillary Data Tapes</b>
<b>SAO</b>	<b>Smithsonian Astrophysical Observatory</b>
<b>SAR</b>	<b>Search and Rescue; Software Acceptance Review; Synthetic Aperture Radar</b>
<b>SARSAT</b>	<b>Search and Rescue Satellite</b>
<b>SAS</b>	<b>Sun Aspect Sensor</b>
<b>SASS</b>	<b>Solar Array Support Structure</b>
<b>SAT</b>	<b>Servicing Aid Tool</b>
<b>SBA</b>	<b>Small Business Administration</b>
<b>SBIR</b>	<b>Small Business Innovative Research</b>
<b>SBR</b>	<b>S-Band Receiver</b>

<b>SBRC</b>	<b>Santa Barbara Research Center</b>
<b>SBUV</b>	<b>Solar Backscatter Ultraviolet Radiometer</b>
<b>S/C</b>	<b>Spacecraft</b>
<b>SC</b>	<b>Solar Cells</b>
<b>SC&amp;CU</b>	<b>Signal Conditioning and Control Unit</b>
<b>SCA</b>	<b>Spacecraft Checkout Area</b>
<b>SCARAB</b>	<b>Scanning Radiation Budget</b>
<b>SCD</b>	<b>Source Control Document</b>
<b>SCE</b>	<b>Spacecraft Command Encoder</b>
<b>SCF</b>	<b>Scientific Computing Facilities</b>
<b>SCHI</b>	<b>Steerable Horizon Sensor</b>
<b>SCI</b>	<b>Science</b>
<b>ScIF</b>	<b>Science Institute Facility</b>
<b>SCINATT</b>	<b>Spectra, Composition, and Interactions of Nuclei Above 10 TeV</b>
<b>SCP</b>	<b>Solar Cell Panel; Stored Command Processor</b>
<b>SCR</b>	<b>Stripchart Recorder; Surface Contour Radar; System Concept Review</b>
<b>SCSI</b>	<b>Small Computer System Interface</b>
<b>scuba</b>	<b>Self-contained underwater breathing apparatus</b>
<b>SDB</b>	<b>Small Disadvantaged Business</b>
<b>SDDC</b>	<b>Science Data Decoder Chassis</b>
<b>SDF</b>	<b>Science Data Formatter</b>
<b>SDIO</b>	<b>Strategic Defense Initiative Organization</b>
<b>SDIP</b>	<b>S-Band Diplexer</b>
<b>SDM</b>	<b>Science Data Mode</b>
<b>SDPF</b>	<b>Sensor Data Processing Facility</b>
<b>SDPS</b>	<b>Science Data Processing Segment</b>
<b>SDR</b>	<b>System Design Review</b>

<b>SE&amp;I</b>	<b>Systems Engineering and Integration</b>
<b>SE/A</b>	<b>Systems Engineering and Analysis</b>
<b>SEAMIS</b>	<b>Software Environment and Management Information System</b>
<b>Seasat</b>	<b>Sea Satellite</b>
<b>SEB</b>	<b>Source Evaluation Board</b>
<b>SECO</b>	<b>Second Stage Cutoff (Delta); Sustainer Engine Cutoff (Atlas)</b>
<b>SECTY</b>	<b>Secretary</b>
<b>SEDS</b>	<b>Small Explorer Data System</b>
<b>SEE</b>	<b>Single Event Effects</b>
<b>SEI</b>	<b>Space Exploration Initiative</b>
<b>SEL</b>	<b>Software Engineering Laboratory</b>
<b>SEM</b>	<b>Space Environment Monitor</b>
<b>SEPS</b>	<b>Source/Loss Cone Energetic Particle Spectrometer</b>
<b>SESCC</b>	<b>Space and Earth Sciences Computer Center</b>
<b>SESNET</b>	<b>Space and Earth Sciences Network</b>
<b>SEU</b>	<b>Single Event Upset</b>
<b>SEUTF</b>	<b>Single Event Upset Test Facility</b>
<b>SEWP</b>	<b>Scientific and Engineering Workstation Procurement</b>
<b>SFDU</b>	<b>Standard Formatted Data Unit</b>
<b>SFFT</b>	<b>Short Form Functional Test</b>
<b>SGEG</b>	<b>Supervisory Grade Evaluation Guide</b>
<b>SGLT</b>	<b>Space Ground Link Terminal</b>
<b>SGSE</b>	<b>Spacecraft Ground Support Equipment</b>
<b>SHCI</b>	<b>Steerable Horizon Crossing Indicator</b>
<b>SHEAL</b>	<b>Shuttle High Energy Astronomical Laboratory</b>
<b>SHEMP</b>	<b>Self-Hosted Embedded Microprocessor</b>
<b>SHNT</b>	<b>Shunt Dissipater</b>

<b>SHOOT</b>	<b>Superfluid On-Orbit Transfer; Super Helium On-Orbit Transfer</b>
<b>SHPE</b>	<b>Society of Hispanic Professional Engineers</b>
<b>SHYB</b>	<b>S-Band Hybrid</b>
<b>SI</b>	<b>Scientific Instrument</b>
<b>SIA</b>	<b>Station Interface Adapter</b>
<b>SIC</b>	<b>Science Instrument Control; Spacecraft Identification Code</b>
<b>SID</b>	<b>Spacecraft Identification Number</b>
<b>SIIO</b>	<b>Senior IRM Installation Official</b>
<b>SIM</b>	<b>Simulation; Solar Irradiance Monitor</b>
<b>SIPE</b>	<b>Scientific Instrument Protective Enclosure</b>
<b>SIPS</b>	<b>Spacelab Input Processing System</b>
<b>SIRD</b>	<b>Support Instrumentation Requirements Document</b>
<b>SIRTF</b>	<b>Space Infrared Telescope Facility</b>
<b>SIS</b>	<b>Spacecraft Interface Simulator</b>
<b>SISC</b>	<b>Science Information Systems Center</b>
<b>SISS</b>	<b>Scientific Instrument Support Structure</b>
<b>SL</b>	<b>Spacelab</b>
<b>SLC</b>	<b>Space Launch Complex</b>
<b>SLDPF</b>	<b>Spacelab Data Processing Facility</b>
<b>SLR</b>	<b>Satellite Laser Ranging</b>
<b>SLS</b>	<b>Space Life Sciences Laboratory</b>
<b>SM</b>	<b>Structure Model</b>
<b>SMC</b>	<b>System Management Center</b>
<b>SME</b>	<b>Solar Mesospheric Explorer</b>
<b>SMEX</b>	<b>Small Explorer</b>
<b>SMGT</b>	<b>Service Mission Ground Terminal</b>
<b>SMIP</b>	<b>SOHO Mission Implementation Plan</b>

<b>SMIRD</b>	<b>SOHO Mission Implementation Requirements Document</b>
<b>SMM</b>	<b>Solar Maximum Mission</b>
<b>SMMR</b>	<b>Scanning Multichannel Microwave Radiometer</b>
<b>SMOCC</b>	<b>SOHO Mission Operations Control Center</b>
<b>SMOWG</b>	<b>Servicing Mission Operations Working Group</b>
<b>SMS</b>	<b>Science Mission Specification</b>
<b>SN</b>	<b>Space Network</b>
<b>SNCS</b>	<b>Space Network Control System</b>
<b>SNIP</b>	<b>Space Network Interoperability Panel</b>
<b>SO</b>	<b>Scheduling Office</b>
<b>SOC</b>	<b>Simulated Operations Center</b>
<b>SOHO</b>	<b>Solar and Heliospheric Observatory</b>
<b>SOI</b>	<b>Solar Oscillations Investigation</b>
<b>SOLSTICE</b>	<b>Solar Stellar Irradiance Comparison Experiment</b>
<b>SOP</b>	<b>Standard Operating Procedure; Standing Operating Procedure</b>
<b>SOPS</b>	<b>Spacelab Output Processing System</b>
<b>SOR</b>	<b>System Operations Review</b>
<b>SORD</b>	<b>System Operations Requirements Document</b>
<b>SOTA</b>	<b>Special Operations and Test Area</b>
<b>SP</b>	<b>Special Publication</b>
<b>SPAN</b>	<b>Space Physics Analysis Network</b>
<b>SPAR</b>	<b>STS Payload Assurance Requirements</b>
<b>SPARTAN</b>	<b>Shuttle Pointed Autonomous Research Tool for Astronomy</b>
<b>SPB</b>	<b>Science Planning Branch</b>
<b>SPCZ</b>	<b>South Pacific Convergence Zone</b>
<b>SPD</b>	<b>Space Physics Division</b>
<b>SPEI</b>	<b>Society of Photoelectric Instrument Engineers</b>

<b>SPF</b>	<b>Single Point Failure</b>
<b>SPL</b>	<b>Split-Phase Level</b>
<b>SPMA</b>	<b>Spacelab Post-Mission Ancillary Tapes</b>
<b>SPOF</b>	<b>Science Planning Operations Facility</b>
<b>SPOT</b>	<b>Satellite pour L'Observation de la Terre</b>
<b>SPRL</b>	<b>Space Physics Research Laboratory</b>
<b>SPRU</b>	<b>Standard Power Regulator Unit</b>
<b>SPSO</b>	<b>Science Processing Support Office</b>
<b>SPSS</b>	<b>Science Planning and Scheduling System</b>
<b>SRAD</b>	<b>Shuttle Radiator Assembly Demonstration</b>
<b>SRAM</b>	<b>Static Random Access Memory</b>
<b>SRB</b>	<b>Solid Rocket Booster; Surface Radiation Budget</b>
<b>SRC</b>	<b>Supercomputing Research Center</b>
<b>SRD</b>	<b>Spin Ripple Damper</b>
<b>SRM</b>	<b>Solid Rocket Motor</b>
<b>SRT</b>	<b>Scene Radiance Tape</b>
<b>SSA</b>	<b>S-Band Signal Access; Sun Sensor Assembly</b>
<b>SSBUV</b>	<b>Shuttle Solar Backscatter Ultraviolet</b>
<b>SSC</b>	<b>Star Scanner</b>
<b>SSD</b>	<b>Space Systems Division</b>
<b>SSDIF</b>	<b>Spacecraft Systems Development and Integration Facility</b>
<b>SSE</b>	<b>Space Support Equipment</b>
<b>SSEIC</b>	<b>Space Station Engineering and Integration Contractor</b>
<b>SSF</b>	<b>Space Station Freedom</b>
<b>SSIS</b>	<b>Space Station Information System</b>
<b>SS/L</b>	<b>Space Systems/Loral</b>
<b>SSM</b>	<b>Support Systems Module</b>



<b>SSME</b>	<b>Space Shuttle Main Engine</b>
<b>SSM/I</b>	<b>Special Sensor Microwave/Imager</b>
<b>SSOC</b>	<b>Sagamihara Spacecraft Operation Center</b>
<b>SSPA</b>	<b>Solid State Power Amplifiers</b>
<b>SSPP</b>	<b>Solar Stellar Pointing Program</b>
<b>SST</b>	<b>Sea Surface Temperature</b>
<b>SSW</b>	<b>S-Band Antenna Switch</b>
<b>SSWG</b>	<b>Solar System Working Group</b>
<b>STAFF</b>	<b>Spatio-Temporal Analysis of Field Fluctuations</b>
<b>STAR</b>	<b>Scientific and Technical Aerospace Reports</b>
<b>STARS</b>	<b>Spinoff Technology Application Retrieval System</b>
<b>STC</b>	<b>Satellite Test Center</b>
<b>STDF</b>	<b>STGT Tracking Data Formatter</b>
<b>STDN</b>	<b>Spaceflight Tracking and Data Network</b>
<b>STGT</b>	<b>Second TDRS Ground Terminal</b>
<b>STI</b>	<b>Scientific and Technical Information</b>
<b>STICS</b>	<b>Suprathermal Ion Composition Studies</b>
<b>STIF</b>	<b>Scientific and Technical Information Facility (Now the Center for Aerospace Information - CASI)</b>
<b>STIKSCAT</b>	<b>Stick Scatterometer</b>
<b>STL</b>	<b>Systems Technology Laboratory</b>
<b>STM</b>	<b>Structural Thermal Model</b>
<b>STOF</b>	<b>Suprathermal-Time-of-Flight</b>
<b>STOL</b>	<b>System Test and Operations Language</b>
<b>STOMS</b>	<b>Space Telescope Observatory Management System</b>
<b>STP</b>	<b>Space Test Platform</b>
<b>STS</b>	<b>Space Transportation System (Shuttle); Star Tracker Sensor</b>
<b>STSP</b>	<b>Solor Terrestrial Science Programme (SOHO/CLUSTER)</b>

<b>STX</b>	<b>ST Systems Corporation</b>
<b>SUG</b>	<b>System/Software User's Guide</b>
<b>SUMER</b>	<b>Solar Ultraviolet Measurements of Emitted Radiation</b>
<b>SUPIDEN</b>	<b>Support Identification</b>
<b>SUVE</b>	<b>Solar Ultraviolet Experiment</b>
<b>SV</b>	<b>Science Verification</b>
<b>SVM</b>	<b>Service Module</b>
<b>S/W</b>	<b>Software</b>
<b>SW</b>	<b>Solar Wind</b>
<b>SWADE</b>	<b>Surface Waves Dynamics Experiment</b>
<b>SWAN</b>	<b>Study of Solar and Wind Anistrophies</b>
<b>SWAT</b>	<b>Science Working Archive Team</b>
<b>SW/CO</b>	<b>Software Checkout</b>
<b>SWE</b>	<b>Solar Wind Experiment</b>
<b>SWG</b>	<b>Science Working Group</b>
<b>SWICS</b>	<b>Solar Wind Ion Composition Studies</b>
<b>SWIM</b>	<b>Solar Wind Interplanetary Measurements</b>
<b>SWP</b>	<b>Short Wavelength Primary</b>
<b>SWT</b>	<b>Science Working Team</b>
<b>SXI</b>	<b>Solar X-ray Imager</b>

## T

T&C	Telemetry and Command
T&DA	Tracking and Data Acquisition
TAC	Telemetry and Command Computer; Time-to-Amplitude Converter
TAE	Transportable Applications Environment
TAI	Temps Atomique International
TAV	Test and Verification
TBA	To Be Assigned
TBC	To Be Continued
TBD	To Be Determined
TBS	To Be Supplied
TBV	To Be Verified
TCCS	Telemetry, Command, and Communications Subsystem
TCDS	Telemetry and Communications Data System
TCO	Termination Contracting Officer
TCP/IP	Transmission Control Protocol/Internet Protocol
TCU	Thermal Controller Unit
TCXO	Temperature Controlled Crystal Oscillator
TDA	Telecommunications and Data Acquisition
TDM	Time Division Multiplexed; Tracking Data Messages
TDMA	Time Division Multiple Access
TDP	Tracking Data Processor
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TEC	Thermoelectric Cooler
Telops	Telemetry On-Line Processing System

TES	Thermal Emission Spectrometer; Tropospheric Emissions Spectrometer
TFG	Transfer Frame Generator
TGRS	Transient Gamma-Ray Spectrometer
TGS	TOPEX Ground System
TGT	Tracking and Data Relay Satellite System - Ground Terminals
THIR	Temperature Humidity Infrared Radiometer
TID	Total Ionizing Dose
TIDE	Thermal Ion Dynamics Experiment
TIDE/PSI	Thermal Ion Dynamics Experiment/Plasma Source Investigation
TIF	Telescope Interface
TIM	Technical Interchange Meeting; Technical Interface Meeting
TIMAS	Toroidal Ion Mass Spectrograph
TIMED	Thermospheric, Ionospheric, Mesospheric Energetics and Dynamics
TIMS	Thermal Infrared Multispectral Scanner
TLM	Telemetry
TM	Technical Memorandum; Thematic Mapper
TMCF	Team Member's Computing Facility
TMI	TRMM Microwave Imager
TMS	S-Band Transmitter
TMX	X-Band Transmitter
TO	Technical Officer
TOA	Top of the Atmosphere
TOCC	TDRS Operations Control Center
TOMS	Total Ozone Mapping Spectrometer
TOMS-EP	Total Ozone Mapping Spectrometer-Earth Probe
TONS	TDRSS Onboard Navigation System
TOPEX	Ocean Topography Experiment

TP	Technical Paper; Telemetry Processor
TPF	Telemetry Processing Facility
TPITS	Two-Phase Integrated Thermal System
TPOCC	Transportable Payload Operation & Control Center; Transportable Project Operations Control Center
TR	Tape Recorder
TRAP	Telemetry and Command Prototype
TRK	Track
TRMM	Tropical Rainfall Measuring Mission
TRR	Test Readiness Review
TRT	Technical Review Team
TRU	Tape Recorder Unit
TSAS	TDRSS Scheduling Assistance System
TSRB	Termination Settlement Review Board
TSRV	Transport Systems Research Vehicle
TSS	Tethered Satellite System
TSSF	Tape Staging and Storage Facility
TT	Technical Translation
TT&C	Tracking, Telemetry, and Command
TTL	Transistor-to-Transistor Logic
TTP	Transfer Trajectory Phase
TTW	Transportable Telemetry Workstation
T/V	Thermal Vacuum
TX	Transmit

## U

UARS	Upper Atmospheric Research Satellite
UASE	UARS Airborne Support Equipment
UAV	User Antenna View
UCB	University of California, Berkeley
UCLA	University of California, Los Angeles
UCSD	University of California, San Diego
UDC	University of the District of Columbia
UDSC	Usuda Deep Space Center (Japan)
UI	User Interface
UIID	Unique Instrument Interface Document
UIMS	User Interface Management System
UIT	Ultraviolet Imaging Telescope
UL	Uplink
ULF	Ultralow Frequencies; Undervoltage
U of I	University of Iowa
UPD	User Performance Data
UPN	Unique Project Number
UPS	Uninterruptable Power Supply
U.S.	United States
USAF	United States Air Force
U.S.C.	United States Code
USGS	United States Geological Survey
USML	United States Microgravity Laboratory
USO	Ultrastable Oscillator; User Support Office
USRA	University Space Research Association
USSR	Union of Soviet Socialist Republic

UTC	Universal Time Code
UTDF	Universal Tracking Data Format
UV	Ultraviolet; Undervoltage
UVCS	Ultraviolet Coronagraph Spectrometer
UVI	Ultraviolet Imager
UWC	User Working Group

## V

VA	Veterans Administration; Vulnerability Assessments
VAFB	Vandenberg Air Force Base, California
VASI	Visual Approach Slope Indicator
VAX	Virtual Address Extension
VC	Virtual Control
VCDU	Virtual Channel Data Unit
VCS	Vapor Cooled Shield
VCSM	Virtual Channel Sorter Multiplexer
VCXO	Voltage Controlled Crystal Oscillator
VEI	Volcanic Explosivity Index
VERSACOMM	Versatile Contour Measuring Machine
VEST	Vehicle Electrical Systems Test
VEUV	Very Extreme Ultraviolet
VFO	Valley Forge Operations
VFR	Visual Flight Rule
VIF	Vertical Integration Carrier
VIRGO	Variability of Solar Radiance Gravity Oscillation
VIRS	Visible and Infrared Scanner
VIS	Visible Imaging System
VLA	Very Large Array
VLBI	Very Long Baseline Interferometry
VLF	Very Low Frequency
VLSI	Very Large-Scale Integration
VME	Virtual Memory Extended
VP	Vector Processor; Vertical Polarization
VPF	Vertical Processing Facility



VSS	Voice Switching System
VT	Voltage/Temperature
VUV	Vacuum Ultraviolet

## W

WANT	Wire Antenna(s)
WAVES	Radio and Plasma Wave Experiment
WBD	Wide-Band Data (Plasma Wave Instrument)
WBDCS	Wide-Band Data Collection System
WBS	Work Breakdown Structure
WCRP	World Climate Research Program
WDC	Wildcard Display Creator
WDE	Wheels Drive Electronics
WEC	Wave Experiment Consortium
WFEP	Wallops Front End Processor
WFF	Wallops Flight Facility
WFOV	Wide Field of View
WFPC	Wide Field Planetary Camera
WFTCP	Wallops Front End Telemetry Command System
WHISPER	Waves of High Frequency and Sound for Probing of Density by Relaxation
WIND	Will Rotate During Launch
WiZard	Measurements of Cosmic Rays Including AntiProtons, Positrons, AntiNuclei and a Search for Primordial Antimatter
WMO	World Meteorological Organization
WOTS	Wallops Orbital Tracking Station
WPS	Wallops Island S-Band Tracking Station
WRS	World Reference System
WSF	Wake Shield Facility
WSGT	White Sands Ground Terminal
WSMC	Western Space and Missile Center
WSMCR	Western Space and Missile Center Range

<b>WSMR</b>	<b>White Sands Missile Range, New Mexico</b>
<b>WSSC</b>	<b>Washington Suburban Sanitary Commission</b>
<b>WTFF</b>	<b>Wide-Band Transport Frame Formatter</b>
<b>WTR</b>	<b>Western Test Range</b>
<b>WWW</b>	<b>World Weather Watch</b>

## **X - Y - Z**

### **X**

<b>XBT</b>	<b>Expandable Bathythermography</b>
<b>XCAL</b>	<b>External Calibrator</b>
<b>XPNDR</b>	<b>Transponder</b>
<b>XPS</b>	<b>X-Ray Photoelectron Spectroscopy</b>
<b>XRS</b>	<b>X-Ray Spectrometer</b>
<b>XSAT</b>	<b>Exceptional Satellite</b>
<b>XSS</b>	<b>Experimental Space Station</b>
<b>XSW</b>	<b>X-Band Antenna Switch</b>
<b>XTE</b>	<b>X-Ray Timing Explorer</b>
<b>XTEACS</b>	<b>X-Ray Timing Explorer Attitude Control System</b>

### **Y**

<b>YAG</b>	<b>Yttrium-Aluminum Garnet</b>
<b>YG</b>	<b>Yaw Gyrocompassing</b>
<b>YIG</b>	<b>Yttrium-Iron Garnet</b>

### **Z**

<b>ZPR</b>	<b>Zero Power Reactor</b>
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## GSFC ACRONYMS BY DEFINITION

### A

A Large Isotopic Composition Experiment	ALICE
Absolute Time Processor	ATP
Absolute Time Sequence	ATS
Acceptance Testing	AT
Access and Exchange Identification System	AXIS
Acousto Optical Spectrometer	AOS
Acquisition	ACQ
Acquisition Management System	AMS
Acquisition of Signal	AOS
Active Cavity Radiometer Irradiance Monitor	ACRIM
Active Magnetospheric Particle Tracer Explorers	AMPTE
Advanced Communications Technology Satellite	ACTS
Advanced Composition Explorer	ACE
Advanced Engineering and Research Associates	AERS
Advanced Microwave Sounding Unit	AMSU
Advanced Missions Analysis Office	AMAO
Advanced Particles and Fields Observatory	APAFO
Advanced Solid-State Array Spectrometer	ASAS
Advanced Spaceborne Thermal Emission and Reflection Radiometer	ASTER
Advanced Television Infrared Observation Satellite (TIROS)-N	ATN
Advanced Tracking and Data Relay Satellite System	ATDRSS
Advanced Very-High-Resolution Radiometer	AVHRR
Advanced X-Ray Astrophysics Facility	AXAF
AEGIS Combat System Center	ACSC

Affiliated Data Center	ADC
Agency Procurement Request	APR
Airborne Electrical Support Equipment	AESE
Aircraft Emissions Spectrometer	AES
Air Force Program	AFP
Air Force Satellite Control Network	AFSCN
Alaska SAR Facility	ASF
Altimeter	ALT
Amazon Boundary Layer Experiment	ABLE
American Geophysical Union	AGU
American Physical Society	APS
American Standard Code for Information Interchange	ASCII
Amplitude Modulation	AM
Analyzed Science Data Set	ASDS
Antenna Pattern Correction	APC
Aperture Close Out	APCO
Appendix	App.
Application-Specific Integrated Circuit	ASIC
Applications Processor	AP
Architecture-Neutral Distribution Format	ANDF
Aries-Orbus Launch Vehicle	ALV
Articulating Fold Mirror	AFM
Assembly of Station by Extravehicular Activity Methods	ASEM
Astrometry and Engineering Data Processing	AEDP
Astronomical Image Processing System	AIPS
Atmosphere Explorer E	AEE
Atmospheric Effects of Aviation Project	AEAP

Atmospheric Infrared Sounder	AIRS
Atmospheric Laboratory for Applications and Science	ATLAS
Attached Payload Accommodation Equipment	APAE
Attitude	ATT
Attitude and Orbit Control Electronics	AOCE
Attitude Control and Determination	ACAD
Attitude Control Determination System	ACDS
Attitude Control Electronics	ACE
Attitude Control Systems	ACS
Attitude Determination Error Analysis System	ADEAS
Attitude Ground Support System	AGSS
Attitude Sensor Package	ASP
Auroral Imaging Observatory	AURIO
Automated Information Management Council	AIMCO
Automatic Data Processing	ADP
Automatic Gain Control	AGC
Automatic Sequence Generator	ASG
Axial Bay Simulator	ABS
Axial Scientific Instrument Simulator	ASIS

## **B**

Backup Control Mode Analysis and Utility System	BCAUS
Backup Project Operations Control Center	BPOCC
Ball Aerospace Systems Group	BASG
Ball Electro-Optics and Cryogenics	BECD
Ball Image Analyzer	BIA
Base Software Environment	BaSE
Beginning of Life	BOL
Beginning of Tape	BOT
Bendix Field Engineering Corporation	BFEC
Berthing and Positioning System	BAPS
Best and final offer	BAFO
Bidirectional Reflectance Distribution Function	BDRF
Bidirectional Reflectance Factor	BRF
Bilateration Ranging Transponder System	BRTS
Biphase Shift Key	BPSK
Bismuth Germanium	BGO
Bit Error Rate	BER
Bits per Second	BPS
Blanket Purchase Agreement	BPA
British Aerospace	BaE
Broad Band X-Ray Telescope	BBXRT
Brookhaven National Laboratories	BNL
Burst and Transient Source Experiment	BATSE
Bus Data Unit	BDU



## C

Calibrated Ancillary System	CAS
Calibrated Output Processing	COP
Calibrated Output Processing System	COPS
Call for Proposals	CP
Canadian Center for Remote Sensing	CCRS
Canadian Experiments	CANEX
Capillary Pumped Loop	CPL
Cathode Ray Tube	CRT
C-Band Radar Ocean Wave Spectrometer	RESSAC
C-Band Scatterometer	CS
Center for Extreme Ultraviolet Astrophysics	CEA
Central Data Handling Facility	CDHF
Central Processing Unit	CPU
Change Control Report	CCR
Charge-Coupled Device	CCD
Charge Sensitive Amplifier	CSA
Chemical Release Observation	CRO
Closed Circuit Television	CCTV
Closed Command Loop	CCL
Closed Conference Loop	CCL
Cloud Absorption Radiometer	CAR
Clouds and Earth's Radiant Energy System	CERES
Cluster Ion Spectrometry	CIS
Coarse Analog Sun Sensor	CASS
COBE Analysis Center	CAC
COBE Science Data Room	CSDR

Cobtrieve	CT
Code of Federal Regulations	CFR
Combined Federal Campaign	CFC
Comet and Tails Science	CATS
Comet Rendezvous Asteroid Flyby	CRAF
Command	CMD
Command and Data Handling	C&DH
Command and Telemetry	C&T
Command Data Interface	CDI
Command Decoder Unit	CDU
Command Line Interpreter	CLI
Command Management Facility	CMF
Command Management System	CMS
Command Storage Memory	CSM
Command Telemetry Terminal	CTT
Command Time of Day	CTD
Common Data Format	CDF
Common Flight Computer	CFC
Common Instrument Interface Study	CIIS
Common Lisp	CL
Communications	COM
Communications and Data Handling	CADH
Communications and System Management Segment	CSMS
Communications Data Formatter	CDF
Communications Link Analysis Simulations System	CLASS
Communications Research Laboratory	CRL
Compact Disk	CD

Compact Disk--Read Only Memory	CD-ROM
Compatability Test Van	CTV
Complex Autonomous Payload	CAP
Composite Infrared Spectrometer	CIRS
Comprehensive Plasma Investigation	CPI
Computer Compatible Tape	CCT
Computer Machinery Corporation	CMC
Computer Sciences Corporation	CSC
Computer Services Branch	CSB
Concept Verification Text	CVT
Conceptual Design and Cost Review	CDCR
Conference Publication	CP
Configuration Change Request	CCR
Configuration Control Board	CCB
Configuration Management	CM
Configuration Management Board	CMB
Consultative Committee for Space Data Systems	CCSDS
Contracting Officer's Technical Representative	COTR
Contractor Report	CR
Control and Status System	CSS
Control Unit	CU
Control Unit and Science Data Formatter	CUSDF
Coordinated Data Analysis Workshop	CDAW
Corrective Optics Space Telescope Axial Replacement	COSTAR
Cosmic Background Explorer	COBE
COSTAR Alignment System	CAS
Critical Design Review	CDR

Crustal Dynamics	CD
Crustal Dynamics Data Information System	CDDIS
Cryogenic Limb Array Etalon Spectrometer	CLAES
Customer Carrier Ground System Equipment	CCGSE
Customer Data and Operations System	CDOS

## D

Data Archival and Distribution System	DADS
Data Base	DB
Data Base Administrator	DBA
Data Capture Facility	DCF
Data Collection Platform Interrogation	DCPI
Data Distribution Facility	DDF
Data Electronics Unit	DEU
Data Evaluation Laboratory	DEL
Data Generator	D/G
Data Interface System	DIS
Data Link Antenna	DLA
Data Management System	DMS
Data Management Unit	DMU
Data Operations Control System	DOCS
Data Processing Working Group	DPWG
Data Production Focus Team	DPFT
Data Stream Identification	DSID
Data Systems Dynamic Simulator	DSDS
Data Systems Manager	DSM
Data Systems Technology Division	DSTD
Data Systems Technology Laboratory	DSTL
DEC Local Network Interconnect	DELNI
DEC Test Manager	DTM
Deep Space Network	DSN
Deep Survey/Spectrometer	DSS
Defense Contracts Management Command	DCMC

Defense Meteorological Satellite Program	DMSP
Defense Support Program	DSP
Degree of Freedom	DOF
Delegation of Procurement Authority	DPA
Delta Inertial Guidance System	DIGS
Department of Commerce	DOC
Deployable Optical Bench	DOB
Deployment Operations Working Group	DOWG
Design Analysis for Dynamic Systems	DADS
Designated Senior Official	DSO
Destructive Physical Analysis	DPA
Detached Antenna Parameters	DAP
Development Test Flight	DTF
Device Under Test	DUT
Differential Microwave Radiometer	DMR
Diffraction Grating Evaluation Facility	DGEF
Diffuse Infrared Background Experiment	DIRBE
Diffuse X-Ray Spectrometer	DXS
Diffusive and Radiative Transport in Fires Experiment	DARTFIRE
Digital Data Processing System	DDPS
Digital Signal Processor	DSP
Digital Telemetry Unit	DTU
DIRBE Fine Aspect	DFA
Direct Memory Access	DMA
Directorate Resource Manager	DRM
Discrepancy Report Retrofit	DRR
Display Request Matrix	DRM

Distributed Active Archive Center	DAAC
Distributed Computing Environment	DCE
Document Availability Authorization	DAA
DSN/GSFC Interface Block	DGIB
DSN Navigation	NAV
Dual Roll Wrist Assembly	DRWA
Dummy Satellite System	DSS
Dynamic Interaction Simulations of Controls and Structures	DISCOS
Dynamic Random Access Memory	DRAM
Dynamics Explorer	DE

## E

Earth Observing System	EOS
Earth Radiation Budget	ERB
Earth Radiation Budget Experiment	ERBE
Earth Radiation Budget Satellite	ERBS
Earth Radius	RE
Earth Resources Observation Systems	EROS
Earth Resources Satellite	ERS
Earth Sensor Assembly	ESA
Educational Programs Unit	EPU
Effective Isotropic Radiated Powers	EIRP
Electric Field Investigation	EFI
Electrical Ground Support Equipment	EGSE
Electrical Interface Continuity and Isolation	EICIT
Electrical Interface Control Document	EICD
Electrically Scanning Microwave Radiometer	ESMR
Electron Drift Instrument	EDI
Electronic Control Unit	ECU
Electronic Test Signal	ETS
Electronic Unit	EU
Electronics Module	ELM
Electrostatic Discharge	ESD
Emergency Position Indicating Radio Beacon	EPIRB
Emitter-Coupled Logic	ECL
End of Block	EOB
End of Frame	EOF
End of Life	EOL



End to End	ETE
Energetic Gamma Ray Experiment Telescope	EGRET
Energetic Neutral Atom Camera for the Earth Observing System	ENACEOS
Energetic Particle Acceleration Composition Transport	EPACT
Energetic Particle and Ion Composition	EPIC
Engineering Analysis Workstation	EAW
Engineering Instrument Ground Support Equipment	EIGSE
Engineering Model	EM
Engineering Support System	ESS
Engineering Test Unit	ETU
Engineering Verification Unit	EVU
Environmental Monitoring and Assessment Program	EMAP
Environmental Protection Agency	EPA
Environmental Verification Experiment for Platform	EVEEP
EOS Data and Information System	EOSDIS
EOS Moderate-Resolution Imaging Spectrometer	EOS-MODIS
EOS Operations Center	EOC
EOS Space Measurement System	EOSSMS
EOSDIS Core System	ECS
Equipment Control Number	ECN
Erasable, Programmable Read-Only Memory	EPROM
EROS Data Center	EDC
Essential Bus	ESB
European Polar Orbiting Platform	EPOP
European Retrievable Carrier	EURECA
European Space Agency	ESA
European Space Research and Technology Research Center	ESTEC

Exceptional Satellite	XSAT
Executive Committee	EC
Expandable Bathythermography	XBT
Expendable Launch Vehicle	ELV
Experiment Mounting Plate	EMP
Experimental Space Station	XSS
Explorer Platform	EP
Explorer Platform Training Simulator	EPTS
External Calibrator	XCAL
Extra-Vehicular Activity	EVA
Extra-Vehicular Activity System	EVAS
Extreme Ultraviolet	EUV
Extreme Ultraviolet Explorer	EUVE
Extreme Ultraviolet Explorer Telemetry Simulator	EUVETELS
Extremely Low Frequency	ELF

## **F**

Facilities Engineering Division	FED
Faint Object Camera	FOC
Faint Object Spectrograph	FOS
Fairchild Space Company	FSC
Far Infrared Absolute Spectrophotometer	FIRAS
Far Ultraviolet Spectroscopic Explorer	FUSE
Fast Auroral Snapshot Explorer	FAST
Fast Plasma Analyzer	HYDRA
Federal Acquisition Regulation	FAR
Federal Information Processing	FIP
Federal Information Resources Management Regulation	FIRMR
Federal Resource Decision Document	FRDD
Field-Effect Transistor	FET
Field of View	FOV
Field Support Terminal	FST
File Transfer, Access, and Management	FTAM
Fine Error Sensor	FES
Fine Guidance Electronics	FGE
Fine Guidance Sensor	FGS
Fine Guidance System	FGS
First ISCCP Regional Experiment	FIRE
First ISLSCP Field Experiment	FIFE
First in, First out	FIFO
Fiscal Year	FY
Fix in Place	FIP
Fixed Head Star Tracker	FHST

Fixed Optical Bench	FOB
Fixed Pattern Error	FPE
Fixed Satellite Service	FSS
Fleet Numerical Oceanographic Center (Navy)	FNOC
Flexible Image Transport System	FITS
Flight Dynamics Division	FDD
Flight Dynamics Engineer	FDE
Flight Dynamics Facility	FDf
Flight Dynamics Support System	FDSS
Flight Operation Analyst	FOA
Flight Operations Procedures	FOP
Flight Operations Review	FOR
Flight Operations Segment	FOS
Flight Operations Team	FOT
Flight Software	FLS
Flight Support Structure	FSS
Flight Support System	FSS
Flight Systems and Servicing	FS&S
Flight Telerobotic Servicer	FTS
Floating Point Operations Per Second	FLOPS
Fluorescent Components of Organic Matter	FCOM
Focal Plane Assembly	FPA
Focal Plane Structure	FPS
Focal Plane Structure Simulator	FPSS
For example	e.g.
Ford Aerospace Corporation	FAC
Frame Synchronizer	F/S

Front-end Telemetry and Command Processor

FTCP

Full Width Half Maximum

FWHM

Functional Test Model

FTM

## G

Galactic Cosmic Ray	GCR
Gamma-Ray Dynamics Simulator	GRODY
Gamma-Ray Imaging Spectrometer	GRIS
Gamma-Ray Observatory	GRO
Gamma-Ray Observatory Remote Terminal System	GRTS
Gamma-Ray Remote-Sensing Spectrometer	GRS
GAS Bridge Assembly	GBA
General Accounting Office	GAO
General Circulation Model	GCM
General Observer	GO
General Services Administration	GSA
General Services Board of Contract Appeals	GSBAC
Generalized Maneuver	GMAN
Generic Block Recording System	GBRS
Generic Telemetry Simulator	GTSIM
Generic Time Division Multiplexed	GTDM
Generic Trend Analysis Workstation	GTAW
Geomagnetic Observing System	GOS
Geoscience Laser Altimetry System	GLAS
Geoscience Laser Ranging System	GLRS
Geostationary Earth Orbiting Satellite	GEOS
Geostationary Operational Environmental Satellite	GOES
Germanium Resistance Thermistor	GRT
Get Away Special	GAS
Gigabit Gallium Arsonide	GaAs
GigaFLOPS (Billion Floating Point Operations Per Second)	GFLOPS

Global Baseline Surface Radiation Network	GBSRN
Global Change Research	GCR
Global Change Research Program	GCRP
Global Climate Model	GCM
Global Geospace Science	GGS
Global Positioning System	GPS
Global Tropospheric Experiment	GTE
Goddard High-Resolution Spectrograph	GHRS
Goddard Laboratory for Atmospheres	GLA
Goddard Leadership Education Series	GLS
Goddard Space Flight Center	GSFC
GOES-1 Attitude Dynamics Simulator in Ada	GOADA
GOES Simulation System	GSS
Goldstone	GDS
Government Furnished Equipment	GFE
Graphical User Interface	GUI
Greenwich Mean Time	GMT
Greenwich Sidereal Time	GST
Ground Control Message Request	GCMR
Ground Data Handling System	GDBS
Ground Network	GN
Ground Operations Working Group	GOWG
Ground Spaceflight Tracking and Data Network	GSTDN
Ground Support Equipment	GSE
Ground Support System	GSS
Ground Systems Operations, Information Systems and Utilization	GSOISU
Guaranteed Time Observers	GTO

## H

Halo Plasma Analyzer	HOP
Halogen Occultation Experiment	HALOE
Hardware Software Interface Facility	HSIF
Harvard Cyclotron Facility	HCF
Headquarters	HQ
Heat Pipe Experiment	HPE
Heat Pipe Performance	HPP
Heater Control Electronics	HCE
Hertz	HZ
High Altitude Aircraft Support Project	HAASP
High Arctic Stratus Experiment	HASE
High Bit Rate	HBR
High Data Rate Receiver	HDRR
High Density Digital Recorder	HDDR
High Electron Mobility Transistor	HEMT
High Energy Detector	HED
High Energy Imaging Device	HEIDI
High Energy Particles	HEP
High Energy X-Ray Timing Experiment	HEXTE
High Gain Antenna	HGA
High Gain Antenna Helical Type (S-Band)	HGA-S
High Gain Antenna Horn Type (X-Band)	HGA-X
High Performance Computing and Communications	HPCC
High Pressure Transducer	HPT
High Rate Digital Switch	HRDS
High Resolution Dynamics Limb Sounder	HIRDLS



High Resolution Imaging Spectrometer	HIRIS
High Resolution Microwave Spectrometer Sounder	HIMSS
High Resolution Spectrograph	HRS
High Resolution Spectrometer	HRS
High Speed Controller	HSC
High Temperature Superconductor	HTSC
High Voltage	HV
Historically Black Colleges and Universities	HBCU
Hitchhiker	HH
Hole Orbit Injection	HOI
Horizon Sensor Assembly	HSA
Hot Plasma Analyzer	HP
Housekeeping	HK
Hubble Interface Facility	HSIF
Hubble Opto-Mechanical Simulator	HOMS
Hubble Space Telescope	HST
Hubble Space Telescope Observatory Management Systems	HSTOMS
Hubble Space Telescope Operations Control Center	HSTOCC
Hubble Space Telescope Revisit	HST REV
Hughes Danbury Optical Systems	HDOS
Hybrid Capillary Pumped Loop	HCPL

## I

Identification	ID
Identification Code	IC
Idle Format	ID
Ignition Recovery Module Assembly	IRMA
Image Motion Compensation Actuator	IMCA
Imager and Sounder Analysis Ground Equipment	ISAGE
Improved Stratospheric and Mesospheric Sounder	ISAMS
Impurity Band Conduction	IBC
Independent Testing Team	ITT
Independent Verification Team	IVT
Indian Ocean Station	IOS
Inertial Reference Package	IRP
Inertial Reference Unit	IRU
Inertial Upper Stage	IUS
Information Management and Technology Division	IMTEC
Information Management System	IMS
Information Processing Division	IPD
Information Resources Management	IRM
Information Technology Center	ITC
Infrared	IR
Infrared Associates	IRA
Infrared Astronomical Satellite	IRAS
Infrared Background Signature Survey	IBSS
Infrared Interferometer Spectrometer	IRIS
Infrared Sources	IRS
Initialization	INIT

Injection	I
Input/Output	I/O
Instantaneous Geometric Field of View	IGFOV
Institute of Electrical and Electronics Engineers	IEEE
Institute of Space and Astronautical Science (Japan)	ISAS
Instrument Control Center	ICC
Instrument Control Facility	ICF
Instrument Definition Document	IDD
Instrument Description Document	IDD
Instrument Ground Support Equipment	IGSE
Instrument Interface Hardware	IIH
Instrument Mounting Platform	IMP
Instrument Operations Working Group	IOWG
Instrument Power Distribution Unit	IPDU
Instrument/Spacecraft Interface	ISI
Instrument Support Terminal	IST
Instrument Test Dewar	ITD
Instrument Thermal Test Bed	ITTB
Instruments Data Processing Unit	IDPU
Integrated Circuit	IC
Integrated Information System	IIS
Integrated Logistics Support Plan	ILSP
Integrated Receiver	IR
Integrated System Preliminary Design Review	ISPDR
Integrated System Test	IST
Integration and Test	I&T
Intensifier High Tension Unit	IEHT

Intensive Field Campaigns	IFC
Intensive Period	IP
Interactive Control Analysis	INCA
Interactive Data Language	IDL
Intercenter Committee on Information Resources Management	ICC
Interdisciplinary Investigator's Computing Facility	IICF
Interface	I/F
Interface Agreement Document	IAD
Interface Control Agreement	ICA
Interface Control Document	ICD
Interface Control Drawing	ICD
Interface Requirements Control Document	IRCD
Interface Verification Test	IVT
Interference Mitigation Schedule	IMS
Interferogram	IFG
Intermediate Launch Vehicle	ILV
Internal Change Request	ICR
Internal Critical Design Review	ICDR
Internal Reference Source	IRS
International Cometary Explorer	ICE
International Data Systems Office	IDSO
International Geosciences and Remote Sensing Symposium	IGARSS
International Geosphere-Biosphere Program	IGBP
International Microgravity Laboratory	IML
International Satellite Cloud Climatology Project	ISCCP
International Satellite Land Surface Climatology Project	ISLSCP
International Solar and Terrestrial Physics	ISTP

International Standards Organization	ISO
International Sun-Earth Explorers	ISEE
International Surface Radiation Budget Project	ISRB
International Telephone and Telegraph	ITT
International Ultraviolet Explorer	IUE
Interplanetary Monitoring Platform	IMP
Interrange Operations Ad Hoc Group	IOAHG
Interstate Electronics Corporation	IEC
Intertropical Convergence Zone	ITCZ
Investigators' Working Group	IWG
Invitation for Bid	IFB
Ion Composition Subsystem	ICS
Ionospheric Plasma and Electrodynamics Instrument	IPEI
ISTP Scheduling Group	ISG
Italian Research Interim Stage	IRIS
IUE Operations Control Center	IUEOCC

## **J**

Japanese Polar Orbiting Platform

JPOP

Jet Propulsion Laboratory

JPL

Johns Hopkins University

JHU

Johnson Space Center

JSC

Joint Evaluation Committee

JEC

Joint Integrated Simulation

JIS

Joint Venture

JOVE

## **K**

**Kelvin**

**Kennedy Management Instruction**

**Kennedy Space Center**

**Keyboard CRT**

**Kilobits Per Second**

**Kilometer**

**Kilo-volt Ampere**

**K**

**KMI**

**KSC**

**KCRT**

**KBPS**

**Km**

**kVA**

## L

Laboratoire de Physique Stellaire et Planetaire (France)	LPSP
Land System Analysis	LSA
Langley Research Center	LaRC
Large Aperture Scanning Airborne Lidar	LASAL
Large Isotope Spectrometer for Astromag	LISA
Laser Atmospheric Wind Sounder	LAWS
Laser GEodynamics Satellite	LAGEOS
Laser GEodynamics Satellite Active Nutation Damper	LAND
Launch	L
Launch and Early Orbit Phase	LEOP
Launch Control Room	LCR
Launch Support Room	LSR
Launch Trajectory Acquisition System	LTAS
Launch Trajectory Ascent System	LTAS
Left Circular Polarization	LCP
Level Zero Processing	LZP
Level Zero Processing System	LZPS
Lewis Research Center	LeRC
Lidar In-Space Technology Experiment	LITE
Light amplification by stimulated emission of radiation	laser
Light and Spectrometric Coronagraph	LASCO
Lightning Imaging Sensor	LIS
Lightning Mapper Sensor	LMS
Light/Weight Berthing and Positioning System	L/W BAPS
Line of Sight	LOS
Line Outage Recorder	LOR



Line Printer	LP
Linear Energy Transfer	LET
Linear Variable Differential Transformer	LVDT
Local Area Coverage	LAC
Local Area Network	LAN
Local On-Board Time	LOBT
Lockheed Palo Alto Research Laboratory	LPARL
Logical Memory Unit	LMU
Long Duration Balloon	LDB
Long Duration Balloon Program	LDBP
Long Wavelength Primary	LWP
Long Wavelength Redundant	LWR
Loral Infrared Imaging System	LIRIS
Los Alamos National Laboratory	LANL
Loss of Signal	LOS
Low Energy Detector	LED
Low Energy Ion and Electron Instrument	LION
Low Energy Magnetic Spectrometer	LEMS
Low Energy Particles	LEP
Low Gain Antenna	LGA
Low Pass Filter	LPF
Low Rate Data Processing System	LRDPS
Lunar Laser Ranging	LLR

## M

Magnetic Field	MGF
Magnetic Fields Experiment	MFE
Magnetic Fields Investigation	MFI
Magnetic Tape Recorder	MTR
Main Engine Cutoff	MECO
Maintenance and Development System	MDS
Maintenance and Refurbishment	M&R
Maintenance Test Group	MTG
Management	MGT
Management Information System	MIS
Manipulated Information Rate Processor	MIRP
Manufacturing Readiness Review	MRR
Manuscript	ms.
Mars Observer Laser Altimeter	MOLA
Marshall Space Flight Center	MSFC
Martin Marietta Astronautics Group	MMAG
Mass Data Storage and Delivery System	MDSDS
Mass Spectrometer	MASS
Mass Spectrometer Incoherent Scatter	MSIS
Mass Storage Subsystem	MSS
Mass Time of Flight	MTOF
Massively Parallel Processor	MPP
Mast (Fluxgate and Search Coil)	MST
Master Exercise Schedule	MES
Material Review Board	MRB
Matra Marconi Space	MMS

Matrix Switch System	MSS
Maximum Likelihood Cloud Estimation	MLCE
Maximum Likelihood Estimation	MLE
MDI-Heliopause	MDI-H
MDI-Magnetogram	MDI-M
Measurement of Pollution in the Troposphere	MOPITT
Measurements of Cosmic Rays Including AntiProtons, Positrons, AntiNuclei and a Search for Primordial Antimatter	WiZard
Mechanical Interface Control Drawing	MICD
Medium Class Expendable Launch Vehicle	MELV
Medium Energy Ion Composition Analyzer	MEICA
Medium Expendable Launch Vehicle	MLV
Medium Gain Antenna	MGA
Memorandum of Understanding	MOU
Merritt Island DSN Launch Complex	MIL-71
Merritt Island Launch Annex, Tracking Station	MILA
Merritt Island Tracking Station	MIL
Mesoscale Convective System	MCS
Message Facility	MSG
Message Handling System	MHS
Message Switching System (NASCOM)	MSS
Meteorological	MET
Meteorological Information Display and Analysis System	MIDAS
Meteorological Operations Control Center	MetOCC
Meteorological Satellite	METSAT
Michelson Doppler Imager	MDI
Microwave Humidity Sounder	MHS
Microwave Limb Sounder	MLS

Microwave Scanning Beam Landing System	MSBLS
Mid-Course Correction	MCC
Military-Standard	MIL-STD
Minority University-Space Interdisciplinary Network	MU-SPIN
Mirror Transport Mechanism	MTM
Mission Analysis Room	MAR
Mission and Data Operations Review	M&DOR
Mission Control Center	MCC
Mission Implementation Plan	MIP
Mission Implementation Requirements Document	MIRD
Mission Operations and Data Systems Directorate	MO&DSD
Mission Operations Center	MOC
Mission Operations Division	MOD
Mission Operations Manager	MOM
Mission Operations Plan	MOP
Mission Operations Planning Review	MOPR
Mission Operations Room	MOR
Mission Operations, Systems Engineering, and Software	MOSES
Mission Operations Systems Office	MOSO
Mission Peculiar Equipment	MPE
Mission Planning	MP
Mission Planning Group	MPG
Mission Planning Terminal	MPT
Mission Readiness Testing	MRT
MO&DSD Operational/Development Network	MODNET
Mobile Instantaneous Impact Prediction	MIIP
Mobile Servicer Carrier	MSC

Mode Indicator	MI
Modeling of the Atmosphere-Magnetosphere-Ionosphere	MAMI
Moderate-Resolution Imaging Spectrometer	MODIS
Moderate-Resolution Imaging Spectrometer-NADIR	MODIS-N
Moderate-Resolution Imaging Spectrometer-TILT	MODIS-T
Modular Attitude Control Data Base	MACs
Modular Attitude Control Subsystem	MACS
Modular Environment for Data Systems	MEDS
Modulator/Demodulator Predictor	MDP
Monthly Status Review	MSR
Most Significant Bit	MSB
Motor Control Center	MCC
Motorized Door Assembly	MDA
Multiangle Imaging Spectro-Radiometer	MISR
Multinode Microchannel Array	MAMA
Multichannel Analyzer	MCA
Multifrequency Imaging Microwave Radiometer	MIMR
Multimission Spacecraft	MMS
Multiple Access	MA
Multiple Access Beamforming Equipment	MABE
Multiplexer/Demultiplexer	MDM
Multisatellite Operations Control Center	MSOCC
Multispectral Scanner	MSS

## N

Narrow Field-of-View	NFOV
NASA Center for Computational Sciences	NCCS
NASA Climate Data System	NCDS
NASA Communications	NASCOM
NASA Data Link Model	NDLM
NASA Defense Procurement Request	NDPR
NASA Ground Terminal	NGT
NASA Handbook	NHB
NASA Management and Operations Support	NMOS
NASA Management Instruction	NMI
NASA On-Line Directives Information System	NODIS
NASA Safety Reporting System	NSRS
NASA Scatterometer	NSCAT
NASA Science Internet	NSI
NASA Support Plan	NSP
NASCOM Front-end Processor	NFEP
National Aeronautics and Space Administration	NASA
National Archives and Records Administration	NARA
National Center for Atmospheric Research	NCAR
National Climate Data Center	NCDC
National Oceanic and Atmospheric Administration	NOAA
National Physical Sciences Consortium	NPSC
National Radio Astronomy Observatory	NRAO
National Research Council	NRC
National Science Foundation	NSF
National Scientific Balloon Facility	NSBF

National Snow and Ice Data Center	NSIDC
National Space Development Agency (of Japan)	NASDA
National Space Science Data Center	NSSDC
National Transportation Safety Board	NTSB
National Treasury Employees Union	NTEU
National Uranium Research Evaluation	NURE
Naval Research Laboratory	NRL
Navigation Technology Satellite	NST
Near Real Time	NRT
Net Present Value	NPV
Network Command Processor System	NCPS
Network Control Center	NCC
Network Operations Control Center	NOCC
Network Operations Support Plan	NOSP
Neutral Buoyancy Simulator	NBS
Neutral Gas and Ion Mass Spectrometer	NGIMS
New Airborne Scatterometer	NUSCAT
New Obligation Authority	NO
Non-Advocate Review	NAR
Non-Coherent	N-COH
Noninterfering Basis	NIB
Nonreturn to Zero	NRZ
Nonreturn to Zero Level	NRZ-L
Nonreturn to Zero Mark	NRZ-M
Normalized Difference Vegetation Index	NDVT
Not Applicable	N/A
Not to Exceed	NTE

NSSDC Graphics System

NGS

Nuclear Astrophysics Explorer

NAE

Nucleus and Asteroid Science Team (Interdisciplinary)

NASTI

Nutation Damper

ND



## O

Observation Support System	OSS
Observatory Management System	OMS
Ocean Topography Experiment	TOPEX
Office Document Architecture	ODA
Office of Aeronautics and Space Technology	OAST
Office of Personnel Management	OPM
Office of Solar Observatory	OSO
Office of Space Operations	OSO
Office of Space Science and Applications	OSSA
Office of the Inspector General	OIG
Onboard Computer	OBC
Onboard Data Handling	OBDH
Onboard Time	OBT
On-line Cost Accrual Systems	OLCAS
On-the-Job Training	OJT
Open Software Foundation	OSF
Open Systems Interconnection	OSI
Operating System	OS
Operational Downlink	OD
Operational Overflow Facility	OOF
Operational Readiness Review	ORR
Operations	OPS
Operations Agreement	OA
Operations Control Center	OCC
Operations Data Message	ODM
Operations Data Network	ODN

Operations Device Network	ODN
Operations Program	OP
Operations Support Computing Facility	OSCF
Optical Auroral Imager	OAI
Optical Field Angle Distortion	OFAD
Optical Telescope Assembly	OTA
Optical Transfer Function	OTF
Optics Module	OPM
Optimum Traffic Frequency	OTF
Orbit Adjust Thrusters	OATS
Orbit/Attitude	O/A
Orbit Data File	ODF
Orbit Determination	OD
Orbit Transfer System	OTS
Orbit Transfer Vehicle	OTV
Orbital Launch Services	OLS
Orbital Maneuvering System	OMS
Orbital Replacement Unit	ORU
Orbital Replacement Unit Carrier	ORUC
Orbital Science Corporation	OSC
Orbital Solar Laboratory	OSL
Orbital Space Laboratory	OSL
Orbital Time Processor	OTP
Orbiting Geophysical Observatory	OGO
Orbiting Workshop	OWS
Organized Command	OG

Oriented Scintillation Spectrometer Experiment

OSSE

Outgoing Longwave Radiation

OLR

Oven Controlled Crustal Oscillator

OVCXO

## **P**

Packer Processor	PACER
Packet Processor	PACOR
Packet Switch Communications Network	PSCN
Palmer Drought Severity Index	PDSI
Particle Environment Monitor	PEM
Parts Per Million	PPM
Pass Readiness Test	PRT
Payload Adapter Plate	PAP
Payload Assist Module	PAM
Payload Attach Fitting	PAF
Payload Data Interleaver	PDI
Payload Equipment Deck	PED
Payload Hazardous Servicing Facility	PHSF
Payload Integration Plan	PIP
Payload Interface Adapter	PIA
Payload Module	PLM
Payload Operations Control Center	POCC
Payload Operations Integration Center	POIC
Payload Retention System	PRS
Payload Retention System Drive Unit	PRSDU
Payload Review Control Board	PRCB
Performance Assurance Implementation Plan	PAIP
Performance Assurance Requirements	PAR
Performance Evaluation Board	PEB
Performance Measurement System	PMS
Peripheral Interface Module	PIM

Personal Computer	PC
Phase Modulation	PM
Phase Shift Key	PSK
Photo Image Management System	PIMS
Physical Memory Unit	PMU
Physikalisch-Meteorologisches Observatorium Davos	PMOD
Pick-off Mirror Mechanism	POMM
Pilot Land Data System	PLDS
Plasma Energy Angle Composition Experiment	PEACE
Plasma Source Instrument	PSI
Plasma Wave Facility	PWF
Plasma Wave Instrument	PWI
Platform Equipment Deck	PED
Playback	PB
Pointing and Safemode Electronics Assembly	PSEA
Pointing Control Subsystem	PCS
Poker Flat Research Range (Alaska)	PFRR
Polar Auroral Plasma Physics Spacecraft	POLAR
Polar Ionospheric X-Ray Imaging Experiment	PIXIE
Polar Orbiting Earth Mission	POEM
Polar Platform	PPF
Polar Regions Outer Magnetosphere International Study	PROMIS
Polynomial Error Protection	PEP
Portable Simulator System	PSS
Portable Spacecraft Simulator	PSS
Post Pass	PP
Potential Contact Time	PCT

Potomac Electric Power Company	PEPCO
Power Bus Interface Unit	PBIU
Power Control Unit	PCU
Power Converter and Distributor	PCD
Power Disk Operating System	PDOS
Power Distribution Unit	PDU
Power Signal Control Unit	PSCU
Power Spectral Density	PSD
Power Supply Electronics	PSE
Power Switching and Distribution Unit	PSDU
Power Switching Module	PSM
Power System Electronics	PSE
Power System Interface Box	PSIB
Precipitation Radar	PR
Predicted Site Acquisition Table	PSAT
Pre-Environmental Review	PER
Preferred Parts List	PPL
Preliminary Design Review	PDR
Preliminary Requirements Review	PRR
Preliminary Thermal Vacuum	PTV
Prenegotiation Plan	PNP
Pressure Systems Incorporated	PSI
Principal Investigator	PI
Principal Investigator's Computing Facility	PICF
Printed Circuit	PC
Printed Wire Board	PWB
Probe Antenna	PANT

Procedure	PROC
Procurement Analysis Branch	PAB
Procurement Management Survey Team	PMST
Product Generation System	PGS
Production Data Set	PDS
Program Critical Hardware	PCH
Program Design Language	PDL
Program Evaluation and Review Technique	PERT
Program Status Review	PSR
Program Support Communication Network	PSCN
Programmable Data Formatter	PDF
Programmable Read-Only Memory	PROM
Programmable Serializer	PSE
Project Approval Document	PAD
Project Data Base	PDB
Project Data Format	PDF
Project Data Management Plan	PDMP
Project Data Set	PDS
Project Element Requirements Document	PERD
Project Management Review	PMR
Project Operating Plan	POP
Proportional Counter Unit	PCU
Pseudorandom Noise	PN
Publications	Pubs.
Pulse Code Modulation	PCM
Purchase Request	PR
Pyro Control Unit	PCU

## Q

Quadrature Double Sideband

QDSB

Quality Assurance and Detector Development Laboratory

QUADDL

Quantum Chromodynamics

QCD

Quantum Electrodynamics

QED

Quasi-Stellar Radio Source

QSO

Quiet Propulsion Lift Technology

QPLT



## R

Radar Ocean Wave Spectrometer	ROWS
Radar Surveillance Technology Experimental Radar	RSTER
Radial Scientific Instrument Protective Enclosure	RSIPE
Radio and Plasma Wave Instrument	RPWI; WAVES
Radio Frequency	RF
Radio Frequency Byte	RFB
Radio Frequency Simulations Operations Center	RFSOC
Random Access Memory	RAM
Range and Range Rate	RARR
Range Commanders Council	RCC
Ranging	RANG
Rapid Antiship Missile Integrated Defense System	RAIDS
Rate Gyro Assembly	RGA
Rate Sensor Unit	RSU
Raw Sensor Data	RSD
Reaction Control System	RCS
Reaction Engine Assembly	REA
Read-Only Memory	ROM
Real Time	RT
Real Time Computer System	RTCS
Real Time Solar Wind	RTSW
Receive	RX
Receiver	RCVR
Reconfiguration Module	RM
Recorder/Utility Processor System	RUPS
Red Giant Branch	RGB

Reduced Data Records	RDR
Reduced Instrument Analytical Thermal Model	RTM
Reed-Solomon (Code)	R-S
Reference Publication	RP
Reflection Grating Spectrometer	RGS
Refractive Aberration Simulator	RAS
Relative Time Processor	RTP
Relative Time Sequence	RTS
Remote Analysis Computer	RAC
Remote Data Analysis Facility	RDAF
Remote Electronics Unit	REU
Remote Interface	RI
Remote Interface Unit	RIU
Remote Manipulator Systems	RMS
Remote Power Control Module	RPCM
Remote Power Controller	RPC
Remote Terminal Unit	RTU
Report Documentation Page (Bib sheet)	RDP
Request for Information	RFI
Request for Proposal	RFP
Research and Development	R&D
Research Triangle Institute	RTI
Research With Adaptive Particle Imaging Detectors	RAPID
Restricted Access Processor	RAP
Return Data Delay	RDD
Review Items Dispositions	RID
Revolutions Per Minute	RPM

Right Circular Polarization	RCP
Right Hand Circular Polarization	RHCP
Robotics Research Corporation	RRC
Roentgen Equivalent in Man	REM
Roentgen Satellite	ROSAT
Root Sum Square	RSS
Rotary Joint	RJ
Rough Order Magnitude	ROM

## S

Sagamihara Spacecraft Operation Center	SSOC
Santa Barbara Research Center	SBRC
Satellite de Aplicaciones Cientificas	SAC-B
Satellite Laser Ranging	SLR
Satellite pour L'Observation de la Terre	SPOT
Satellite Test Center	STC
S-Band Antenna Switch	SSW
S-Band Diplexer	SDIP
S-Band Hybrid	SHYB
S-Band Receiver	SBR
S-Band Signal Access	SSA
S-Band Transmitter	TMS
Scanning Multichannel Microwave Radiometer	SMMR
Scanning Radiation Budget	SCARAB
Scene Radiance Tape	SRT
Scheduling Office	SO
Science	SCI
Science Application International Corporation	SAIC
Science Data Decoder Chassis	SDDC
Science Data Formatter	SDF
Science Data Mode	SDM
Science Data Processing Facility	SDPF
Science Data Processing Segment	SDPS
Science Information Systems Center	SISC
Science Institute Facility	ScIF
Science Instrument Control	SIC

Science Mission Specification	SMS
Science Planning and Scheduling System	SPSS
Science Planning Branch	SPB
Science Planning Operations Facility	SPOF
Science Processing Support Office	SPSO
Science Verification	SV
Science Working Archive Team	SWAT
Science Working Group	SWG
Science Working Team	SWT
Scientific and Engineering Workstation Procurement	SEWP
Scientific and Technical Aerospace Reports	STAR
Scientific and Technical Information	STI
Scientific and Technical Information Facility (Now Center for Aerospace Information - CASI)	STIF
Scientific Computing Facilities	SCF
Scientific Instrument	SI
Scientific Instrument Protective Enclosure	SIPE
Scientific Instrument Support Structure	SISS
Sea Satellite	Seasat
Sea Surface Temperature	SST
Search and Rescue	SAR
Search and Rescue Satellite	SARSAT
Second Stage Cutoff (Delta)	SECO
Second TDRS Ground Terminal	STGT
Secretary	SECTY
Self-contained underwater breathing apparatus	scuba
Self-Hosted Embedded Microprocessor	SHEMP
Senior IRM Installation Official	SIIO

Sensor Data Processing Facility	SDPF
Service Mission Ground Terminal	SMGT
Service Module	SVM
Servicing Aid Tool	SAT
Servicing Mission Operations Working Group	SMOWG
Short Form Functional Test	SFFT
Short Wavelength Primary	SWP
Shunt Dissipater	SHNT
Shuttle High Energy Astronomical Laboratory	SHEAL
Shuttle Pointed Autonomous Research Tool for Astronomy	SPARTAN
Shuttle Radiator Assembly Demonstration	SRAD
Shuttle Solar Backscatter Ultraviolet	SSBUV
Signal Conditioning and Control Unit	SC&CU
Simulated Operations Center	SOC
Simulation	SIM
Single Access	SA
Single Access Compartment	SAC
Single Event Effects	SEE
Single Event Upset	SEU
Single Event Upset Test Facility	SEUTF
Single Point Failure	SPF
Small and Small Disadvantaged Business	S&SDB
Small Business Administration	SBA
Small Business Innovative Research	SBIR
Small Computer System Interface	SCSI
Small Disadvantaged Business	SDB
Small Explorer	SMEX

Small Explorer Data System	SEDS
Smithsonian Astrophysical Observatory	SAO
Society of Hispanic Professional Engineers	SHPE
Society of Photoelectric Instrument Engineers	SPEI
Software	S/W
Software Acceptance Review	SAR
Software Checkout	SW/CO
Software Engineering Laboratory	SEL
Software Environment and Management Information System	SEAMIS
SOHO Mission Implementation Plan	SMIP
SOHO Mission Implementation Requirements Document	SMIRD
SOHO Mission Operations Control Center	SMOCC
Solar and Heliospheric Observatory	SOHO
Solar, Anomalous, and Magnetospheric Particle Explorer	SAMPEX
Solar Array	SA
Solar Array Carrier	SAC
Solar Array Development	SAD
Solar Array Drive Assembly	SADA
Solar Array Drive Electronics	SADE
Solar Array Gains Augmentation	SAGA
Solar Array Support Structure	SASS
Solar Backscatter Ultraviolet Radiometer	SBUV
Solar Cell Panel	SCP
Solar Cells	SC
Solar Irradiance Monitor	SIM
Solar Maximum Mission	SMM
Solar Mesospheric Explorer	SME

Solar Oscillations Investigation	SOI
Solar Radii	RS
Solar Stellar Irradiance Comparison Experiment	SOLSTICE
Solar Stellar Pointing Program	SSPP
Solar System Working Group	SSWG
Solar Terrestrial Science Programme (SOHO/CLUSTER)	STSP
Solar Ultraviolet Experiment	SUVE
Solar Ultraviolet Measurements of Emitted Radiation	SUMER
Solar Wind	SW
Solar Wind Experiment	SWE
Solar Wind Interplanetary Measurements	SWIM
Solar Wind Ion Composition Studies	SWICS
Solar X-Ray Imager	SXI
Solid Rocket Booster	SRB
Solid Rocket Motor	SRM
Solid State Power Amplifiers	SSPA
Sorting Into Angular Bins	SAB
Source Control Document	SCD
Source Evaluation Board	SEB
Source/Loss Cone Energetic Particle Spectrometer	SEPS
South Atlantic Anomaly	SAA
South Pacific Convergence Zone	SPCZ
Soviet Gamma-Ray Instrument	KONUS
Space and Earth Sciences Computer Center	SESCC
Space and Earth Sciences Network	SESNET
Space Environment Monitor	SEM
Space Exploration Initiative	SEI



Space Ground Link Terminal	SGLT
Space Infrared Telescope Facility	SIRTF
Space Launch Complex	SLC
Space Life Sciences Laboratory	SLS
Space Network	SN
Space Network Control System	SNCS
Space Network Interoperability Panel	SNIP
Space Physics Analysis Network	SPAN
Space Physics Division	SPD
Space Physics Research Laboratory	SPRL
Space Shuttle Main Engine	SSME
Space Station Engineering and Integration Contractor	SSEIC
Space Station Freedom	SSF
Space Station Information System	SSIS
Space Support Equipment	SSE
Space System for Search of Vessels in Distress (USSR)	COSPAS
Space Systems Division	SSD
Space Systems/Loral	SS/L
Space Telescope Observatory Management System	STOMS
Space Test Platform	STP
Space Transportation System (Shuttle)	STS
Spacecraft	S/C
Spacecraft Checkout Area	SCA
Spacecraft Command Encoder	SCE
Spacecraft Ground Support Equipment	SGSE
Spacecraft Identification Code	SIC
Spacecraft Identification Number	SID

Spacecraft Interface Simulator	SIS
Spacecraft Systems Development and Integration Facility	SSDIF
Spaceflight Tracking and Data Network	STDN
Spacelab	SL
Spacelab Ancillary Data Tapes	SANC
Spacelab Data Processing Facility	SLDPF
Spacelab Input Processing System	SIPS
Spacelab Output Processing System	SOPS
Spacelab Post-Mission Ancillary Tapes	SPMA
Spatio-Temporal Analysis of Field Fluctuations	STAFF
Special Operations and Test Area	SOTA
Special Publication	SP
Special Sensor Microwave/Imager	SSM/I
Spectra, Composition, and Interactions of Nuclei-Above 10 TeV	SCINATT
Spin Ripple Damper	SRD
Spinoff Technology Application Retrieval System	STARS
Split-Phase Level	SPL
ST Systems Corporation	STX
Standard Formatted Data Unit	SFDU
Standard Operating Procedure	SOP
Standard Power Regulator Unit	SPRU
Standing Operating Procedure	SOP
Star Scanner	SSC
Star Tracker Sensor	STS
Static Random Access Memory	SRAM
Station Interface Adapter	SIA
Steerable Horizon Crossing Indicator	SHCI

Steerable Horizon Sensor	SCHI
STGT Tracking Data Formatter	STDF
Stick Scatterometer	STIKSCAT
Stored Command Processor	SCP
Strategic Defense Initiative Organization	SDIO
Stratospheric Aerosols and Gas Experiment	SAGE
Stripchart Recorder	SCR
Structural Thermal Model	STM
Structure Model	SM
STS Payload Assurance Requirements	SPAR
Study of Solar and Wind Anistrophies	SWAN
Sun Aspect Angle	S Ang
Sun Aspect Sensor	SAS
Sun Sensor Assembly	SSA
Super Helium On-Orbit Transfer	SHOOT
Supercomputing Research Center	SRC
Superfluid On-Orbit Transfer	SHOOT
Supervisory Grade Evaluation Guide	SGEG
Support and Maintenance Service	SAMS
Support Identification	SUPIDEN
Support Instrumentation Requirements Document	SIRD
Support Systems Module	SSM
Suprathermal Ion Composition Studies	STICS
Suprathermal-Time-of-Flight	STOF
Surface Contour Radar	SCR
Surface Radiation Budget	SRB
Surface Waves Dynamics Experiment	SWADE

Sustainer Engine Cutoff (Atlas)	SECO
Synthetic Aperture Radar	SAR
System Concept Review	SCR
System Design Review	SDR
System Management Center	SMC
System Operations Requirements Document	SORD
System Operations Review	SOR
System/Software User's Guide	SUG
System Test and Operations Language	STOL
Systems Engineering and Analysis	SE/A
Systems Engineering and Integration	SE&I
Systems Technology Laboratory	STL

## T

Tape Recorder	TR
Tape Recorder Unit	TRU
Tape Staging and Storage Facility	TSSF
Team Member's Computing Facility	TMCF
Technical Interchange Meeting	TIM
Technical Interface Meeting	TIM
Technical Memorandum	TM
Technical Officer	TO
Technical Paper	TP
Technical Review Team	TRT
Technical Translation	TT
TDRS Operations Control Center	TOCC
TDRSS Onboard Navigation System	TONS
TDRSS Scheduling Assistance System	TSAS
Telecommunications and Data Acquisition	TDA
Telemetry	TLM
Telemetry and Command	T&C
Telemetry and Command Computer	TAC
Telemetry and Command Prototype	TRAP
Telemetry and Communications Data System	TCDS
Telemetry, Command, and Communications Subsystem	TCCS
Telemetry On-Line Processing System	Telops
Telemetry Processing Facility	TPF
Telemetry Processor	TP
Telescope Interface	TIF
Temperature Controlled Crystal Oscillator	TCXO

Temperature Humidity Infrared Radiometer	THIR
Temps Atomique International	TAI
Termination Contracting Officer	TCO
Termination Settlement Review Board	TSRB
Test and Verification	TAV
Test Readiness Review	TRR
Tethered Satellite System	TSS
Thematic Mapper	TM
Thermal Controller Unit	TCU
Thermal Emission Spectrometer	TES
Thermal Infrared Multispectral Scanner	TIMS
Thermal Ion Dynamics Experiment	TIDE
Thermal Ion Dynamics Experiment/Plasma Source Investigation	TIDE/PSI
Thermal Vacuum	T/V
Thermoelectric Cooler	TEC
Thermospheric, Ionospheric, Mesospheric Energetics and Dynamics	TIMED
Time Division Multiple Access	TDMA
Time Division Multiplexed	TDM
Time-to-Amplitude Converter	TAC
To Be Assigned	TBA
To Be Continued	TBC
To Be Determined	TBD
To Be Supplied	TBS
To Be Verified	TBV
Top of the Atmosphere	TOA
TOPEX Ground System	TGS
Toroidal Ion Mass Spectrograph	TIMAS

Total Ionizing Dose	TID
Total Ozone Mapping Spectrometer	TOMS
Total Ozone Mapping Spectrometer-Earth Probe	TOMS-EP
Track	TRK
Tracking and Data Acquisition	T&DA
Tracking and Data Relay Satellite	TDRS
Tracking and Data Relay Satellite System	TDRSS
Tracking and Data Relay Satellite System - Ground Terminals	TGT
Tracking Data Messages	TDM
Tracking Data Processor	TDP
Tracking, Telemetry, and Command	TT&C
Transfer Frame Generator	TFG
Transfer Trajectory Phase	TTP
Transient Gamma-Ray Spectrometer	TGRS
Transistor-to-Transistor Logic	TTL
Transmission Control Protocol/Internet Protocol	TCP/IP
Transmit	TX
Transponder	XPNDR
Transport Systems Research Vehicle	TSRV
Transportable Applications Environment	TAE
Transportable Payload Operation & Control Center	TPOCC
Transportable Project Operations Control Center	TPOCC
Transportable Telemetry Workstation	TTW
Tropical Rainfall Measuring Mission	TRMM
Tropospheric Emissions Spectrometer	TES
TRMM Microwave Imager	TMI
Two-Phase Integrated Thermal System	TPITS

## U

UARS Airborne Support Equipment	UASE
Ultralow Frequencies	ULF
Ultrastable Oscillator	USO
Ultraviolet	UV
Ultraviolet Coronagraph Spectrometer	UVCS
Ultraviolet Imager	UVI
Ultraviolet Imaging Telescope	UIT
Undervoltage	ULF
Uninterruptable Power Supply	UPS
Union of Soviet Socialist Republic	USSR
Unique Instrument Interface Document	UIID
Unique Project Number	UPN
United States	U.S.
United States Air Force	USAF
United States Code	U.S.C.
United States Geological Survey	USGS
United States Microgravity Laboratory	USML
Universal Time Code	UTC
Universal Tracking Data Format	UTDF
University of California, Berkeley	UCB
University of California, Los Angeles	UCLA
University of California, San Diego	UCSD
University of the District of Columbia	UDC
University of Iowa	U of I
University Space Research Association	USRA
Uplink	UL



Upper Atmospheric Research Satellite	UARS
User Antenna View	UAV
User Interface	UI
User Interface Management System	UIMS
User Performance Data	UPD
User Support Office	USO
User Working Group	UWC
Usuda Deep Space Center (Japan)	UDSC

## V

Vacuum Ultraviolet	VUV
Valley Forge Operations	VFO
Vandenberg Air Force Base, California	VAFB
Vapor Cooled Shield	VCS
Variability of Solar Radiance Gravity Oscillation	VIRGO
Vector Processor	VP
Vehicle Electrical Systems Test	VEST
Versatile Contour Measuring Machine	VERSACOMM
Vertical Integration Carrier	VIF
Vertical Polarization	VP
Vertical Processing Facility	VPF
Very Extreme Ultraviolet	VEUV
Very Large Array	VLA
Very Large-Scale Integration	VLSI
Very Long Baseline Interferometry	VLBI
Very Low Frequency	VLF
Veterans Administration	VA
Virtual Address Extension	VAX
Virtual Channel Data Unit	VCDU
Virtual Channel Sorter Multiplexer	VCSM
Virtual Control	VC
Virtual Memory Extended	VME
Visible and Infrared Scanner	VIRS
Visible Imaging System	VIS
Visual Approach Slope Indicator	VASI
Visual Flight Rule	VFR

Voice Switching System	VSS
Volcanic Explosivity Index	VEI
Voltage Controlled Crystal Oscillator	VCXO
Voltage/Temperature	VT
Vulnerability Assessments	VA

## W

Wake Shield Facility	WSF
Wallops Flight Facility	WFF
Wallops Front End Processor	WFEP
Wallops Front End Telemetry Command System	WFTCP
Wallops Island S-Band Tracking Station	WPS
Wallops Orbital Tracking Station	WOTS
Washington Suburban Sanitary Commission	WSSC
Wave Experiment Consortium	WEC
Waves of High Frequency and Sound for Probing of Density by Relaxation	WHISPER
Western Space and Missile Center	WSMC
Western Space and Missile Center Range	WSMCR
Western Test Range	WTR
Wheels Drive Electronics	WDE
White Sands Ground Terminal	WSGT
White Sands Missile Range, New Mexico	WSMR
Wide-Band Data Collection System	WBDCS
Wide-Band Data (Plasma Wave Instrument)	WBD
Wide-Band Transport Frame Formatter	WTFF
Wide Field of View	WFOV
Wide Field Planetary Camera	WFPC
Wildcard Display Creator	WDC
Will Rotate During Launch	WIND
Wire Antenna(s)	WANT
Work Breakdown Structure	WBS
World Climate Research Program	WCRP

**World Meteorological Organization**

**WMO**

**World Reference System**

**WRS**

**World Weather Watch**

**WWW**

**X - Y - Z**

**X**

X-Band Antenna Switch	XSW
X-Band Transmitter	TMX
X-Ray Photoelectron Spectroscopy	XPS
X-Ray Spectrometer	XRS
X-Ray Timing Explorer	XTE
X-Ray Timing Explorer Attitude Control System	XTEACS

**Y**

Yaw Gyrocompassing	YG
Yttrium-Aluminum Garnet	YAG
Yttrium-Iron Garnet	YIG

**Z**

Zero Power Reactor	ZPR
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