

NASA Contractor Report 193218

Acronym Dictionary

**Center for AeroSpace Information
Linthicum Heights, MD**

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**National Aeronautics and
Space Administration**

**Scientific and Technical
Information Program**

1993

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A

A&R
Automation & Robotics

A-ARM
Army Armor Board, Fort Knox, Ky.

A-ART
Army Artillery Board, Fort Sill, Okla.

AAAS
American Association for the Advancement of Science

AAB
Army Aviation Board Fort Rucker, Ala.

AACB
Aeronautics and Astronautics Coordinating Board

AACM
Average Absolute Control Movement

AADB
Army Air Defense Board, Fort Bliss, Tex.

AAE
Average Absolute Error

AAEE
Aeroplane and Armament Experiment Establishment, (Gt. Brit.)

AAESWB
Army Airborne, Electronics and Special Warfare Board, Fort Bragg, N. C.

AAFE
1. Advance Applications Flight Experiment Program
2. Aero Assist Flight Experiment

AAH
1. Advanced Attack Helicopter
2. Automatic Attitude Hold (Space Shuttle)

AAL Arctic Aeromedical Lab., Fort Wainwright, Alaska

AAM

Atmospheric Angular Momentum

AAOE Airborne Antarctic Ozone Experiment

AAP

Apollo Applications Program

AAS American Astronautical Society

AASE
Airborne Arctic Stratospheric Expedition

AATB Army Arctic Test Board, Fort Greely, Alaska

ABIL Airborne Beacon Interference Locator

ABL
Army Biological Labs., Frederick, Md.

ABLE Amazon Boundary Layer Experiment

ABM	Apogee Boost Motor
ABS	Acrylonitrile Butadiene Styrene
AC	Atlas Centaur (Intermediate class expendable launch vehicle)

ACA Attitude Control Assembly (Space Station)

ACC

ACCS

Active Contamination Control System

ACD

Architecture Control Document

ACE

1. Acceptance Checkout Equipment
2. Active Control Aircraft
3. Advanced Composition Explorer
4. Attitude Control Electronics

ACES

Acoustic Containerless Experiment System

ACCENT

Autogenetically-Controlled Cesium (or Colloid) Electro-Nuclear Thrust system

ACCESS

Assembly Concept for Construction of Erectable Space Structure

ACDTR

Airborne Central Data Tape Recorder

ACF

Autocorrelation Function

ACIC

Aeronautical Chart and Information Center (AF), St. Louis, Mo.

ACIP

1. Aerodynamic Coefficient Identification Package (Space Shuttle)
2. Aerodynamic Coefficient Instrumentation Package (Space Shuttle)

ACLS

1. Air Cushion Landing System
2. Automated Control and Landing System
3. Automatic Carrier Landing System

ACOSS

Active Control of Space Structures

ACP

Area Command Post

ACPS
Attitude Control Propulsion System

ACR
Active Cavity Radar

ACRC
Assured Crew Return Capability

ACRDL
Army Chemical Research and Development Labs., Army Chemical Center, Md.

ACRIM
Active Cavity Radiometer Irradiance Monitor

AC&S
Attitude Control and Stabilization

ACS
Attitude Control System

ACS/COM
Attitude Control System/Communications

ACSH
Avionic and Control System Hardware

ACSIL
Admiralty Centre for Scientific Information and Liaison (Great Brit.).

ACSSB
Amplitude Companded Single Sideband

ACT
1. Advanced Concepts Test
2. Attitude Control Thrusters

ACTH
Adrenocorticotropin

ACTIVE/APEX
A Soviet Multinational Plasma Wave Experiment

ACTS

Advanced Communications Technology Satellite

ACV

Air Cushion Vehicle (ground effect machine; includes hovercraft)

ACWP

Actual Cost of Work Performance

ACZCS

Advanced Coastal Zone Color Scanner

AD

Animal Development (Genetics)

AD-A

Automatic Gain Control (AGC)

ADASP

1. Air Defense Annual Service Practice
2. Automatic Data and Select Program

ADC

1. Aerospace Defense Command
2. Affiliated Data Center
3. Air Defense Command, Colorado Springs, Colo.
4. Analog to Digital Converter
5. Automatic Deviation Control

ADCLS

Automated Data Collection and Location System

ADD

Architectural Definition Document

ADEOS

Advanced Earth Observing Satellite

ADEU

Automatic Data-Entry Unit

ADF

Automatic Direction Finding

ADI Attitude Direction Indicator (Space Shuttle)

ADISB Australian Defense Information Services Branch

ADL Ada Design Language

ADP

1. Air Data Probe (Space Shuttle)
2. Automatic Data Processing

ADR Achievable Data Rate

ADS

1. Aerospace Data Systems
2. Altitude Decompression Sickness
3. Audio Distribution System (Space Shuttle)

ADSF Advanced Directional Solidification Furnace

ADSP Advanced Digital SAR Processor

ADV Ascent/Descent Vehicles

ADVALM Advanced Laminate Analysis Code

ADVENT Ada Development Environment

ADVPCG Advanced Protein Crystal Growth

AE

1. Atmospheric Explorer (Satellite)
2. Average Error

AE-C
Explorer 51

AE 3
Explorer 51

AEC
Atomic Energy Commission, Washington, D.C.

AECL
Atomic Energy of Canada, LTD.

AED
Ammunition Engineering Directorate, Picatinny Arsenal, Dover, N.J.

AEDC
Arnold Engineering Development Center, Arnold Airforce Station, Tenn.

AEDU
Admiralty Experimental Diving Unit, (Gt. Brit.).

AELRDL
Army Electronic Research and Development Agency, Fort Monmouth, N.J.

AERLO
Army Electronics Logistics Research Office
See: AELRDL

AEL
Admiralty Engineering Lab. (Gt. Brit.)

AEM
Analytical Electron Microscopy

AEM Satellite
Applications Explorer Missions

AEPG
Army Electronic Proving Ground Fort Huachuca, Ariz.

AEPI
Atmospheric Emissions Photometric Imaging

AERDA

Army Electronics Research and Development Activity (White Sands Missile Range, N. Mex. and Fort Huachuca, Ariz.)

AERDL

Army Engineer Research and Development Labs., Fort Belvoir, Va.

AEROSAT

Aeronautical Communications Satellite

AEWES

Army Engineer Waterways Experiment Station, Vicksburg, Miss.

AF

Air Force, Department of

AFAC

Air Force Armament Center, Eglin Air Force Base, Fla.

AFBMD

Air Force Ballistic Missile Div., Air Research and Development Command Inglewood, Calif.

AFCCDC

AF Command and Control Development Center.

AFCCDD

Air Force Command and Control Development Div., Air Research and Development Command, Bedford, Mass.

AFCO

Automatic Fuel Cutoff

AFCRL

Air Force Cambridge Research Lab., Bedford, Mass.

AFD

Aft Flight Deck (Space Shuttle)

AFE

1. Aeroassist Flight Experiment
2. American Flight Echocardiograph

AFETR

AF Eastern Test Range

AFFTC

Air Force Flight Test Center, Edwards Air Force Base, Calif.

AFGE

American Federation of Government Employees

AFGL

Air Force Geophysics Laboratory

AFIT

Air Force Inst. of Tech., Wright-Patterson Air Force Base, Ohio

AFITV

Air Force Instrumented Test Vehicle (Anti-satellite target vehicle)

AFL

Abstract Families of Languages

AFMDC

Air Force Missile Development Center, Holloman Air Force Base, N. Mex.

AFMTC

1. Air Force Missile Test Center, Patrick Air Force Base, Fla.
(Later AFETR)
2. AF Mission Test Center

AFOSR

Air Force Office of Scientific Research, Washington, D. C.

AFPCB

Armed Forces Pest Control Board, Washington, D.C.

AFPRL

Air Force Personnel Research Lab.

AFPTRC

Air Force Personnel and Training Research Center, Lackland
Air Force Base, Tex., Later Air Force Personnel Research Lab.

AFRPL

Air Force Rocket Propulsion Laboratory

AFSAWC

Air Force Special Air Warfare Center, Eglin Air Force Base, Fla.

AFSC

Air Force Systems Command, Washington, D.C.

AFSCF

Air Force Satellite Control Facility
(Now known as the Space Test Center)

AFSWC

Air Force Special Weapons Center, Kirtland Air Force Base, N. Mex.

AFT

Autogenic Feedback Training

AFTAC

Air Force Technical Application Center, Washington, D. C.

AFTI

Advanced Fighter Technology Integration

AFWAL

Air Force Wright Aeronautical Labs.

AFWL

Air Force Weapons Laboratory

AGARD

Advisory Group for Aeronautical Research Development-Paris, (France)

AGB

Asymptotic Giant Branch (Stars)

AGC

1. Apollo Guidance Computer
2. Automatic Gain Control

AGCE

Atmospheric General Circulation Experiment

(A model prepared for Spacelab flights which is concerned with baroclinic instability in vertically stable atmospheres)

AGCS
Artificial Gravity Centrifuge System

AGE
Aerospace Ground Equipment

AGED
Advisory Group on Electron Devices

AGL
Above Ground Level

AGO
Adjutant General Dept. of the Army, Washington, D.C.

AGP
AGRI Grain Power Project
(ethanol fuel from grains)

AGPA
Ammunition Group, Picatinny Arsenal, Dover, New Jersey

AGRF
Artificial Gravity Research Facility

AGRISTARS
Agriculture and Resources Inventory Surveys Through Aerospace

AGS
1. Abort Guidance System
2. Alternating-Gradient Synchrotron

AGT
Automated Guideway Transit

AGTC
Airport Ground-Traffic Control

AHRS
Attitude Heading Reference System

AI
Artificial Intelligence

AIAA American Institute of Aeronautics and Astronautics

AID Aerospace Information Div., Washington, D.C. (Lib. of Cong.)
(Became Aerospace Technology Div. then disbanded)

AIDJEX Arctic Ice Dynamics Joint Experiment

AIDS Aircraft Integrated Data Systems

AIFTDS Airborne Integrated Flight Test Data System

AIM Atmosphere-Ionosphere-Magnetosphere

A-INF Army Infantry Board, Fort Benning, Ga.

AIPS Astronomical Image Processing System

AIRS

1. Advanced Inertial Reference Sphere
2. Atmospheric Infrared Sounder

AIRSAR Airborne Synthetic Aperture Radar

AIS Airborne Imaging Spectrometer

AIIV Assembly, Integration and Verification

AKR Auroral Kilometric Radiation

ALADDIN Atmospheric Layering and Density Distribution of IONS and Neutrons

ALAE

Atmospheric Lyman-Alpha Emissions

ALARA

As Low As Reasonably Achievable

ALARM Project

Automatic Light Aircraft Readiness Monitoring Project

ALARR

Air Launch, Air Recoverable Rocket (Payload)

ALFMED

Apollo Light-Flash Moving-Emulsion Detector

ALIAS

Aircraft Laser Infrared Absorption Spectrometer

ALNOT

Alert Notice

ALRH

Apollo Lunar Radioisotope Heater

ALS

1. Advanced Launch System
2. Alternate Landing Site
3. Approach Light System

ALSE

Apollo Lunar Sounder Experiment

ALSEP

Apollo Lunar Surface Experiments Package

alt

1. altitude
2. altimeter

ALT

Approach and Landing Test

ALU

1. Advanced Levitation Unit
2. Arithmetic and Logic Unit

AM

1. Ambulance Module
2. Amplitude Modulation
3. Auxiliary Module

AM0

Air Mass Zero

AMC-A

Army Material Command, Washington, D.C.
(Later MDRC, Darcon)

AMC-AF

Air Materiel Command, Wright-Patterson Air Force Base, Ohio
After Air Force Logistics Command

AMC-RA

Army Missile Command, Redstone Arsenal, Huntsville, Ala.

AMDS

Astrophysics Master Directory System (AMDS)

AML

Admiralty Materials Lab. (Gt. Brit.)

AMMRC

Army Materials and Mechanics Research Center

AMMS

Advanced Microwave Moisture Sounder

AMOS

Air Force Maui Optical Station

amp

ampere

AMPA

Adaptive Multibeam Phased Array

AMPS

Atmospheric, Magnetospheric, and Plasmas-in-Space Payloads

AMPTE

1. Active Magnetospheric Particle Tracer Explorer
2. Active Mesospheric Particle Tracer Explorer

AMR

Advanced Microwave Radiometer

AMRA

Army Materials Research Agency, Watertown, Mass.
(Later AMMRC - Army Materials and Mechanics Research Center)

AMRL

1. 6570th Aerospace Medical Research Labs., Aerospace Medical Div.
Wright-Patterson Air Force Base, Ohio
2. Army Medical Research Lab., Fort Knox, Ky.

AMRNL

Army Medical Research and Nutrition Lab., Denver, Colo.

AMRT

Time Division Multiple Access (TDMA in English)

AMS

1. Advanced Metallic Structures Program
2. American Meteorological Society
3. Army Map Service, Washington, D.C.

AMSAT

Amateur Satellite Corp. (Radio)

AMSCAT

Airborne Microwave Scatterometer

AMSR

Advanced Mechanically Scanned Radiometer

AMST

Advanced Medium STOL Transport

AMSU

Advanced Microwave Sounding Unit

AMTC
Army Missile Text Center, White Sands Missile Range, N. Mex.

AMTEC
Alkali Metal Thermoelectric Converter

AMTED
Army Missile Test and Evaluation Directorate, White Sands Missile Range, N. Mex.

AMTS
Advanced Moisture and Temperature Sounder

ANFLOW
Anaerobic upFLOW (bioreactors)

ANG
Air National Guard

ANIP
Army Navy Instrumentation Program

ANL
Army Natick Labs., Mass.

ANOVA
Analysis of Variance

ANS
Astronomical Netherlands Satellite

A/O
Atomic Weight Percent

AO
1. Announcement of Opportunity
2. Atomic Orbital
3. Atomic Oxygen

AOA
Abort-Once-Around (Space Shuttle)

AOCI
Airborne Color Imager

AOCS

Attitude and Orbital Control System

AODC

Age of Data, Clock

AODE

Age of Data, Ephemeris

AOIPS

Atmospheric and Oceanographic Information Processing System

AOL

1. Admiralty (Gt. Brit.)
2. Airborne Oceanographic Lidar

AOPA

Aircraft Owners and Pilots Association

AOS

Acquisition of Signal (Space Shuttle)

AOSO

Advanced Orbiting Solar Observatory

AOST

Anomalies in Ocean Surface Temperature

AOTF

Acousto-Optical Tunable Filter

AOTV

Aeroassist Orbital Transfer Vehicle

Ap

Geomagnetic Activity Index

APAE

Artificial Payload Accommodation Equipment

APAS

Automated Pilot Advisory System

APC

1. Aft Power Controller (Space Shuttle)
2. All-Purpose Carrier
3. Aromatic Polymer Composite

APCGF

Advanced Protein Crystal Growth Facility

APD

Avalanche Photodiode

APE

Aurora Photography Experiment

APEL

Aeronautical Photographic Experimental Lab., Naval Air Development Center, Johnsville, Pa.

APEX

Automated Power Expert

APG

Aberdeen Proving Ground, Md.

APGC

Air Force Proving Ground Command Eglin Air Force Base, Fla.

APM

Ascent Particle Monitor

APO

1. Apogee
2. Apollo Program Office

APPR

Army Package Power Reactor

APRL

Army Prosthetics Research Lab., Walter Reed Army Medical Center, Washington, D.C.

APRO

Army Personnel Research Office (of the Chief Research and Development), Washington, D.C.

APSE

Ada Programming Support Environment

APT

Automatic Picture Transmission

APU

1. Agrophysical Units
2. Auxiliary Power Unit (Space Shuttle)

APW

Augmented Plane Wave (Method)

AR&D

Autonomous Rendezvous and Docking

ARABSAT

Arab Satellite (Communications satellite of the Arab Satellite Communications Organization)

ARAC

Radar Approach Control Facility (USA)

ARAMIS

Automation, Robotics, and Machine Intelligence System

ARAPS

Angular Resolved Auger Parameter Spectroscopy

ARAPT

Advanced Research Agency Project Tempo

ARC

1. Aeronautical Research Council, (Gr. Brit.)
2. Aggregation of Red Cells (Low-g experiment)
3. Ames Research Center

ARCS

1. Aft Reaction Control System (Space Shuttle Subsystem)
2. Automated Raster Cartography System

ARF

Animal Research Facility

ARI Aileron to Rudder Interconnect

ARIES Advanced Radar Information Evaluation System

ARIN Aerospace Research Information Network

ARINC Aeronautical Radio, Inc.

ARIP Automatic Rocket Impact Predictor

ARIS Advanced Ranger Instrumentation Ship

ARL

- 1. Admiralty Research Lab. (Gt. Brit.)
- 2. 6571st Aeromedical Research Lab., Holloman Air Force Base, N. Mex.
- 3. Aeronautical Research Lab., Office of Aerospace Research, Wright-Patterson Air Force Base, Ohio

ARMAR Airborne Rain Mapping Radar

AROD

- 1. Airborne Range and Orbit Determination
- 2. Army Research Office, Durham, N.C.

ARPA

Advanced Research Projects Agency, Washington, D.C.
(Later DARPA - Defense Advanced Research Projects Agency)

ARPA NET Advanced Research Projects Agency Network (DOD)

ARQ Automatic Repeat-Request

ARS

1. Agricultural Research Service, Watkinsville, Ga.
2. American Rocket Society
(Later AIAA-American Institute for Aeronautics and Astronautics)
3. Atmospheric Revitalization System (Space Shuttle)

ARSR

Air Route Surveillance Radar

ART

1. Alternate Resonance Toning
2. Ambiguity Reference Tone

ARTCC

Air Route Traffic Control Center

ARTEMIS

Automated Reporting, Tracking, and Evaluation Management Information System

ARTS

Automated Radar Terminal System

ARW

Aeroelastic Research Wing

ASA

Acetylsalicylic Acid

ASAS

1. Advanced Solid State Array Spectroradiometer
2. Aerodynamic Stability Augmentation System

ASC

Aquatic Research Facility

ASCG

Automatic Solution Crystal Growth

ASCR

Advanced Sodium Cooled Reactor

ASCS

Agricultural Stabilization and Conservation Service

ASD

Aeronautical Systems Div., Air Force Systems Command (AFSC), Wright-Patterson Air Force Base, Ohio

ASDE

Airport Surface Detection Equipment (Radar)

ASE

Automotive Sterling Engine

ASEB

Aeronautics and Space Engineering Board

ASEE

American Society for Engineering Education

ASEM

Assembly of Station by Extravehicular Activity Methods

ASENT

Automatic System Excess Noise Temperature

ASF

Alaska SAR Facility

ASME

1. American Society of Mechanical Engineers
2. American Support Material and Equipment

ASO

Advanced Solar Observatory

ASP

1. Accelerated String Processor
2. Attitude Sensor Package

ASR

1. Accelerated Successive Replacement
2. Advanced Surveillance Radar
3. Air Surveillance Radar
4. Airport Surveillance Radar
5. American Society of Rocketry

ASRDI

Aerospace Safety Research & Data Institute (NASA-LEWIS)

ASRPA

Army Signal Radio Propagation Agency, White Sands Missile Range, N. Mex.

ASSB

Apollo Site Selection Board (NASA)

ASSET

Aerothermodynamic (Elastic) Structural Systems Environmental Tests

assy

assembly

AST

1. Aeronautics and Space Technology Program
2. Advanced Supersonic Transport

AST/VCE

Acoustic Shield Thermal/Variable Cycle Engine (aircraft engine)

ASTEC

Advanced Solar Turbo Electric Conversion

ASTER

Advanced Spaceborne Thermal Emission and Reflection Radiometer

ASTEX

Atlantic Stratocumulus Transition Experiment.

ASTF

1. Aeropropulsion Systems Test Facilities
2. Aerospace Structures Test Facility (AF)

ASTM

American Society for Testing and Materials

ASTOVL

Advanced Short Takeoff and Vertical Landing (aircraft)

ASTP

1. Advanced Systems Technology Program
2. Apollo-Soyuz Test Project (U.S.S.R./U.S.)

ASTRO
(Program designed to obtain ultraviolet (UV) data on astronomical objects using a UV telescope)

ASTRO-SPAS
(European Cross-bay carrier)

ASTROMAG
Astrophysics Magnetic Spectrometer Facility

ASTROS
Advanced Star/Target Reference Optical Sensor

ASTV
Aeroassisted Space Transfer Vehicles

ASVT
Applications Systems Verification Test (NASA)

ASWE
Admiralty Surface Weapons Establishment (Gt. Brit.)

ATA
1. Air Transport Association of America
2. Atmospheres, Absolute

ATAC
Army Tank-Automotive Command (or Center) Detroit, Mich.

ATARS
Automated Traffic Advisory and Resolution Service (Collision Avoidance System - Aviation)

ATB
Army Transportation Board, Fort Eustis, Va.

ATBN
Amine-Terminated Butadiene-Acrylonitrile Rubber

ATC
Air Traffic Control

ATCAA
ATC Assigned Airspace

ATCAC

Air Traffic Control Advisory Committee, (Dept. of Transp.)

ATCCC

Air Traffic Control Command Center

ATCRBS

ATC Radar Beacon System (also referred to as Second Surveillance Radar--SSR)

ATCS

Active Thermal Control Subsystem (Space Shuttle)

ATD

Aerospace Technology Division (Lib. of Cong.)
(Formerly, Aerospace Information Division)

ATE

1. Airborne Test Equipment
2. Automated Test Equipment

ATECOM

Army Test and Evaluation Command Aberdeen Proving Ground, Md.

ATEGG

Advanced Turbine Engine Gas Generator (AF)

ATF

Astrometric Telescope Facility

ATI

Area-Time-Integral

ATIS

Automatic Terminal Information Service (Aviation)

ATL

Advanced Technology Laboratory (NASA)

ATLAS

1. Atmospheric and Terrestrial Laboratory for Applications in Space
2. Atmospheric Laboratory for Applications and Science

atm

atmosphere

ATM

Apollo Telescope Mount (NASA)

ATMOS

Atmospheric Trace Molecule Spectroscopy

ATO

1. Abort-To-Orbit (Space Shuttle)
2. Air Traffic Operations Service

ATOPS

Advanced Transport Operating Systems

ATP

Adenosine Triphosphate (Biochemistry)

ATR

1. Advanced Test Reactor
2. Air Turborocket
3. Air Transport Rating
4. Attenuated Total Reflectance

ATRC

Army Transportation Research Command, Fort Eustis, Va.

ATS

1. Applications Technology Satellite
2. Assembly Truss and Structure
3. Attitude Transfer System

ATSD

Airborne Traffic Situation Display (FAA)

ATSIT

Automatic Techniques for the Selection and Identification of Targets

ATT

Advanced Transport Technology

ATV

All-Terrain Vehicle

ATVC

Ascent Thrust Vector Control

AU

Astronomical Unit

AURA

Association of Universities for Research in Astronomy

AUSSAT

Australian Communication Satellite

AUTODIN

Automatic Digital Network

AUTO-GOSS

Automated Ground Operations Scheduling System

AUWE

Admiralty Underwater Weapons Establishment (Gt. Brit.).

aux

auxiliary

AVCG

Automatic Vapor Crystal Growth

AVE

Atmospheric Variability Experiment (NASA)

AVF

Azimuthally Varying Field

AVHRR

Advanced Very High Resolution Radiometer

AVID

1. Advanced Visual Information Display
2. Aerospace Vehicle Interactive Design
3. Airborne Vehicle Identification

AVIRIS

Airborne Visible and Infrared Imaging Spectrometer

AVPP

Adjustable Vent Port Plugs

AVST

Automated Visual Sensitivity Tester
Advanced Vehicle Simulation Technique

AVT

Applications Vertical Test Program (Comm. Sat.)

AWACS

Airborne Warning and Control System

AWG

American Wire Gauge

AWS

1. Air Weather Service, Scott Air Force Base, Ill.
2. Air Warning Service

ax

x-axis acceleration

AXAF

Advanced X-ray Astrophysics Facility

AXAF-R

Advanced X-ray Astrophysics Facility-Retrieval

ay

y-axis acceleration

az

1. azimuth
2. z-axis acceleration

B

b
bit

B&AS
Brakes and Antiskid (Space Shuttle)

B/U
Back-up

BANSHEE
1. Balloon and Nike-Scaled High-Explosive Experiments
2. Burning Anomaly Rate Factor

BAT
Beam Assembly Teleoperator

BATES
Ballistic Test and Evaluation System

BATSE
Burst And Transient Source Experiment

BATTERY
Sodium Sulfur Battery Flight Experiment

BB
Breadboard

BBGKY Hierarchy
(Reduced probability distribution proposed by Bogoliubov, Born, Green, Kirkwood, and Yvon; Plasma Kinetics)

BBSO
Big Bear Solar Observatory

BBXRT
Broad-Band X-Ray Telescope

BCC
Body Centered Cubic (Crystallography)

BCD	Baseline Configuration Document
BCS	Bragg Crystal Spectrometer
BCU	Bus Control Unit
BCWP	Budgeted Cost for Work Performed
BCWS	Budgeted Cost for Work Scheduled
BDSD	Bibliographic Data Set Description
BER	Bit Error Rate
BESS	Biomedical Experiment Scientific Satellite
BF	Body Flap (Space Shuttle)
BFC	Backup Flight Control (Space Shuttle)
BFO	Blood-Forming Organs
BFS	Backup Flight System (Space Shuttle)
BGK	Bhatnagar, Gross, Krook equation (In plasma physics and rarefied gas dynamics.)
BHS	Body Heat Storage

BIB

Blocked Impurity Band

BIMA

Berkeley-Illinois-Maryland Array

BIMDA

Bioprocessing with the Materials Dispersion Apparatus

Binhex

Binary to hexidecimal

BIOCORE

Biological Cosmic Ray Experiment

BIOLABS

Biological Measurement of Man-in-Space

BIPS

Brayton Isotope Power System

BIR

Bureau of Intelligence and Research Dept. of State, Washington, D.C.

BIT

1. Binary Digit (Data processing)
2. Built-in Test

BITE

1. Built-In Test Equipment
2. Series of Eight BITS (Computer Memory)

BITS

Battleview Image Transmission System

BLAST

Battlefield Laser Acquisition Sensor Test

BLC

Baseband Level Control

BLC aircraft

Boundary Layer Control Aircraft

BLISS
Balloon-Borne Laser In-Situ Sensor

BMEWS
Ballistic Missile Early Warning System

BM-P
Bureau of Mines, Pittsburg, Pa.

BOMEX
Barbados Oceanographic and Meteorological Experiment

BOS
Bright Object Sensor

BP
Boost Pump

BPM
Biological Production Module

BPS
1. Bits Per Second
2. Boost Pump Start
3. Bytes/Sec (Data Processing)

BPSK
Binary Phase Shift Key

BR
Bit Rate

BRDF
Bidirectional Reflectance Distribution Function

BRL
Ballistic Research Labs., Aberdeen Proving Ground, Md.

BRS
Building Research Station (Brit.)

BRTS
Bi-Lateration Ranging Transponder System

BSD	Ballistic Systems Div., Norton Air Force Base, Calif.
BSE	Basic Stirling Engine
BSS	Broadcast-Satellite Service
BTTN	Butanetrioltrinitrate
Btu	British Thermal Unit
BUCLAS	(A Computer Program for Uniaxial Compressive Buckling Loads of Orthotropic Laminated Structural Sections)
BUCLASP	(A Computer Program for Uniaxial Compressive Buckling Loads of Orthotropic Laminated Stiffened Plates)
BUSHIPS	Bureau of Ships, Washington, D.C.
BUSS	Balloon-Borne UV Stellar Spectrometer
BUV	Backscatter Ultraviolet (Spectrometry)
BVI	Blade Vortex Interaction
BW	Bandwidth

C

C2	Command and Control
C3	Command, Control, and Communications
C3I	Command, Control, Communications and Intelligence
C360	Cinema 360 (35 mm motion picture camera for the purpose of documenting crew and mission activities)
C&T	Communications & Tracking
CAA	Civil Aeronautics Authority Later Civil Aeronautics Administration
CACT	Civil Air Carrier Turbojet
CAD	<ol style="list-style-type: none">1. Computer-Aided Design2. Control and Debug
CADAM	Comuter-Aided Design and Manufacturing
CAD/CAE	Computer-Aided Design/Computer-Aided Engineering
CAE	Computer-Aided Engineering
CADS	Crustal Accretion-Differentiation Superevent
CAI	Computer-Aided Instruction

CalCOFI
California Cooperative Oceanic Fisheries Investigations

CAM
Cartographic Automatic Mapping

CAMAC
Computer Automated Measurement and Control (NASA)

CAMEO
Chemically Active Material Ejected in Orbit
(Nimbus G piggyback experiment attached to the Delta 2nd stage)

CAMP or Cyclic AMP
Adenosine 3'5' Cyclic Monophosphate

CAMS
Central Atmospheric Monitoring Systems

CANEX
Canadian Experiments

CAP
1. Civil Air Patrol
2. Crew Activity Plan
3. Controlled Acceleration Propulsion

CAPL
Capillary Pump Loop Experiment

CAPPI
Constant Altitude Plan Position Indicator

CAR
Civil Air Regulation (FAA)

CARD
Civil Aviation Research and Development (NASA)

CARDE
Canadian Armament Research and Development Establishment

CARE
Computer Aided Reliability Estimation

CARETS

Central Atlantic Regional Ecological Test Site, (Dept. of Int.)

CARF

Central Altitude Reservation Facility

CAS

1. Close Air Support
2. Collision Avoidance System
3. Complete Active Space (quantum chemistry)

CAS-C

Canadian Cooperative Applications Satellite

CASEP

Canadian Altitude Sensing Experiment Package

CASES

Controls, Astrophysics, and Structures Experiment in Space

CAS/PWI

Collision Avoidance System/Pilot Warning Indicator

CASSCF

Complete ACtive Space Self Consistent Field (Quantum Chemistry)

CAT

Clear-Air Turbulence

CATE

Ceramic Application in Turbine Engines

CATV

Cable Television

CB

1. Control Board
2. Center of Buoyancy

CBASS

Commission on Behavioral and Social Science

CBDE

Carbonated Beverage Dispenser Evaluation

CBS	Carrier Balloon System
CBSA	Cargo Bay Stowage Assembly (Space Shuttle)
CBW	Constant Bandwidth
CCAFS	Cape Canaveral Air Force Station
CCB	Configuration Control Board
CCC	Central Computer Complex
CCD	Charge Coupled Device
CCDS	Centers for the Commercial Development of Space
CCE	Charge Composition Explorer
CCI	Contracted Configuration Interaction (quantum chemistry)
CCIR	Consultative Committee for International Radio
CCITT	Consultative Committee for International Telephone and Telegraph
CCL	Coating and Chemical Lab., Aberdeen Proving Ground, Md. (Army) (Also C&CL)
CCO	Compound Cycle Engine

CCOPE

Cooperative Convective Precipitation Experiment (Meteorology)

CCP

Carbon-Cloth Phenolic

CCS

1. Contamination Control System
2. Cooperative Control Synthesis

CCSDS

1. Consultative Committee for Space Data Systems
2. Consultative Committee for Standard Data Services

CCT

Computer-Compatible Tape

CCTV

Closed-Circuit Television

CCU

Crew Communications Umbilical (Space Shuttle)

CCV

Control Configured Vehicle (Aircraft)

CD

Compact Disk

CDAW

Coordinated Data Analysis Workshop

CDC

Computer Display Channel

CDCE

Cosmic Dust Collection Experiment

CDD Poles

Castillejo-Dalitz-Dyson poles (related to Regge poles)

CDDIS

Crustal Dynamics Data Information System

CDEE

Chemical Defense Experimental Establishment (Gt. Brit.)

CDF

Common Data Format

CDHF

Central Data Handling Facility

CDI

Course Deviation Indicator (Aviation)

CDMA

Code Division Multiple Access

CDMS

Cryospheric Data Management System

CDR

1. Commander (Shuttle Commander)
2. Critical Design Review

CDRC

CIESIN Data and Research Center

CDT

Central Daylight Time

CDTI

Cockpit Display of Traffic Information

CDU

Coupling and Display (Data) Unit

CEA

Control Electronics Assembly (Space Shuttle)

CEFOAM

Checkout Equipment for On-board Automatic Maintenance

CEI

Connected element interferometry

CELNAV

Celestial navigation training

CELSS

Controlled Ecology Life Support System

CEM

Channel Electron Multiplier

CEMTE

Common Experiments Monitoring and Test Equipment

CEOS

Committee on Earth Observations Satellites

CEP

Circular Error Probable

CEPE

Central Experimental and Proving Establishment (Canada)

CERES

Clouds and Earth's Radiant Energy System

CERN

European Organization for Nuclear Research (Switzerland)

Conseil European Pour La Recherche Nucleaire

Later O (Organization) ERN

CERS

Crew Emergency Rescue System

CERV

1. Crew Emergency Rescue Vehicle
2. Crew Emergency Return Vehicle

CETA

Crew and Equipment Transfer Aid

CEX

Charge Exchange

CFA

Crossed Field Amplifiers

CFC	
	Chlorofluorocarbon
CFD	
	Computational Fluid Dynamics
CFES	
	Continuous Flow Electrophoresis System
cfm	
	Cubic Feet per Minute
CFMF	
	Cryogenic Fluid Management Facility
CFOS	
	Cloud Field Optical Simulator
CFP	
	Centrifuge Facility Project
CFR	
	Contact Flight Rules (Also VFR - Visual Flight Rules)
CFRP	
	Carbon Fiber Reinforced Plastics
CFS	
	Cryogenic Fluid Storage
CG	
	1. Center of Gravity 2. Coast Guard, Washington, D. C.
CGBA	
	Commercial Generic Bioprocessing Apparatus
CHAMP	
	Comet Halley Active Monitoring Program
CHCS	
	Crew Health Care System

CHD
Constricted Double Heterojunction

CHeCS
Crew Health Care System

CHIEF
Combined Helmholtz Integral Equation Formulation

CHILD Device
Cognitive Hybrid Intelligent Learning Device

CHROMEX
Chromosomes Experiment (Investigation of the effects of space flight
on
plant
tissue
growth
)

CHRP
Configurable High Rate Processing

CHRPS
Configurable High Rate Processing System

CI
1. Chemical Inspectorate (Gt. Brit.).
2. Configuration Interaction (Quantum Chemistry)
3. Configuration Item

CIA
Central Intelligence Agency, Washington, D.C.

CIAP
Climate Impact Assessment Program, (High Alt. Aircraft)

CIB
Cosmic Infrared Background

CID
Charge-Injection Device (Electronics)

CIE

1. Commission Internationale Eclierege
2. Computer-Integrated Engineering

CIESIN

Consortium for International Earth Science Information Network

CIL

Critical Items List

CIM

Computer-Integrated Manufacturing

CIP

Coordinated Instrument Package (Orbiting Solar Laboratory)

CIR

1. Coherent Imaging Radar
2. Controlled Impact Reentry (package)

CIRIA

Construction Industry Research and Information Association (United Kingdom)

CIRRIS

Cryogenic Infrared Radiance Instrument for Shuttle

CISTI

Canada Institute for Scientific and Technical Information

CIT

California Institute of Technology
Also Calit, CALT, CALTECH

CIV

Critical Ionization Velocity

CLAN

Core Local Area Network

CLASS

Communications Link Analysis and Simulation System

CLC

Channel Level Control

CLCWA

Clear Lake City Water Authority

CLEAR

Communications Link Expert Assistance Resource

CLIPS

C-Language Integrated Production System

CLLS

Closed Loop Life Support

CLO

Chlorine Monoxide

CLOUDS

Cloud Logic to Optimize Use of Defense Systems

CLS

Contingency Landing Site(s)

CLU

Common Logic Unit

CM

1. Center of Mass
2. Common Module
3. Command Module (NASA)
4. Configuration Management
5. Countermeasures

CMAG

Cruise Missile Advanced Guidance

CMB

1. Core-Mantle Boundary
2. Cosmic Microwave Background

CMDB

Composite Modified Double-Base (Propellants)

CME

Coronal Mass Injection

CMG
Control Moment Gyro

CMIX
Commercial Materials Dispersion Apparatus ITA Experiment

CMO
Configuration Management Officer

CMOS
Complementary Metal Oxide Semiconductors

CMP
Command Module Pilot (Apollo)

CMPL
Commercial Materials Processing Lab

CMS
1. Composite Multiplex Signal
2. Configuration Management System
3. Code Management System (VAX/DEC)

CMSE
Extended Duration Space Environment Candidate Materials Exposure

CMSER
Commission on Marine Science, Engineering, and Resources (Previously, ICO)

CMT
Configuration Management Tool

CN
Cellulose Nitrate

CNCR
Characterization of Neurospora Circadian Rhythms in Space

CNES
Centre National d'Etudes Spatiales
(National Center for Space Studies - France)

CNI

Communications, Navigation, and Identification (Air Traffic Control)

CNP

1. Cometary Nucleus Penetrator
2. Continuous Negative Pressure (Breathing)

CNR

1. Carboxy Nitroso Rubber
2. National Research Council (Italy)

CNS

1. Central Nervous System
2. Computer Networking Subsystem

CO

Contracting Officer

CO-I

Co-Investigator

CO-PI

Co-Principal Investigator

COAS

Crew Optical Alignment Sight (Space Shuttle)

COB

Cargo on Board

COBE

Cosmic Background Explorer (NASA satellite)

COD

1. Carrier On-Board Delivery (aircraft, Naval Aviation)
2. Continuous Optical Discharge
3. Crack Opening Displacement

CODAR

Coastal Oceanic Dynamic Application Radar

CODD

Central On-line Data Directory

COF
Construction of Facilities (NASA)

COFS
Control of Flexible Structures

COHMEX
Cooperative Huntsville Meteorological Experiment

COMEDS
COntinental MEteorological Data System

COMSAT
Communications Satellite

COMTEL
Compton Telescope

CONCAP
Consortium for Materials Development in Space (Complex Autonomous Payload)

CONE
Cryogenic Orbital Nitrogen Experiment

CONUS
Continental United States

COP
Co-Orbiting Platform

COPERS
(European Preparation Commission for Space Research predecessor of ESRO & ESA)

COR
Continental Operations Range

COSMIC

1. Coherent Optical System of Modular Imaging Collectors
2. Computer Software Management and Information Center

COSTI
Civil Space Technology Initiative

COTV
Cargo Orbit Transfer Vehicle

CP
1. Center of Pressure
2. Chemically Pure
3. Circular Polarization
4. Commercially Pure
5. Communications Processor
6. Containerless Processing

CP Invariance
Charge-Parity Invariance

CPCG
Comercial Protein Crystal Growth

CPF
Coupled-Pair Functional (Quantum Chemistry)

CPIA
Chemical Propulsion Information Agency

CPM
1. Cost Performance Management
2. Critical Path Method

CPN
Central Stars of Planetary Nebulae

CPR
Cloud Physics Radiometer

CPRA
Compressed Pulse Radar Altimeter

cps
1. Characters Per Second
2. Cycles Per Second

CPT
1. Common Pilot Tone
2. Charge Parity Time (Particle Physics)

CPU
Central Processing Unit (Space Shuttle)

CR
Configuration Review

CRAF
Cometary Rendezvous Asteroid Flyby (Mission)

CRAFH
Collision Resolution Algorithm for Frequency Hopping

CREAM
Cosmic Radiation Effects and Activation Monitor

CRIE
Cosmic Ray Isotope Experiment

CRISTA
Cryogenic Infrared Spectrometer Telescope for Atmosphere

CRM
1. Chemical Release Module
2. Cockpit Resource Management

CRNE
Cosmic Ray Nuclei Experiment

CRREL
Cold Regions Research and Engineering Lab., Hanover, N.H. (Army)

CRRES
Combined Release and Radiation Effects Satellite

CRRF
Cosmic Ray Radiation Facility

CRS
Cosmic Ray Source

CRT
1. Cathode Ray Tube
2. Channel Reference Tone

CRU	Combined Rotating Unit
CRUX	Cosmic Ray Upset Experiment
CRW	Crew (Space Shuttle flight crew for a particular mission)
CRY	Cryogenics
CRYOHP	Cryogenic Heat Pipe
CRYSP	Crystal Sample Package
CRYT	Cryogen Tank
CSA	Canadian Space Agency
CSAR	Coherent Synthetic Aperture Radar
C.S.A.S.	Command and Stability Augmentation System (Design criteria for aircraft control system)
CSC	Civil Service Commission (Now OPM-Off. of Personnel Management)
CSF	Configuration State Function (Quantum Chemistry)
CSI	Control/Structure Interaction
CSL	Computer Systems Laboratory (Stanford University)

CSM
Command and Service Module

CSMA
Carrier Sense Multiple Access

CSMA/CD
Carrier-Served Multiple Access/Collision Detection

CSOV
Constrained Space Orbital Variation (quantum chemistry)

CSS
Cassini Stratospheric Sounder

CSSA
Coarse Sun Sensor Assembly

CSSP
Committee on Solar and Space Physics

CST
Central Standard Time

CSTI
1. Clearinghouse for Scientific and Technical Information
2. Civil Space Technology Initiative

CSZ
Calcia Stabilized Zirconia Zr 0.85, Ca 0.15, O 1.85

CTA
Canadian Target Assembly

CTE
Coefficient of Thermal Expansion

CTEN
Carboxy-Terminated-Butadiene-Acrylonitrile Rubber

CTO
Controlled Transient Oscillation

CTOL	Conventional Takeoff and Landing
CTPB	Carboxyl-Terminated Polybutadiene
CTPE	Carboxy Terminated PolyEster Propellant
CTR	Controlled Thermonuclear Reactors
CTS	<ol style="list-style-type: none">1. Coded Time Sequence2. Communications and Tracking (Sub)system3. Communications Technology Satellite
CU	University of Colorado
C-V	Capacitance-Voltage
CVA	Concurrent Viterbi Algorithm
CVD	<ol style="list-style-type: none">1. Chemical Vapor Deposition2. Communication Value Development, (Gt. Brit.)
CVFP	Charted Visual Flight Procedure
CVN	Carrier Vessel, Nuclear (Designates a nuclear power aircraft carrier)
CVP	Central Venous Pressure
CVT	Concept Verification Testing

CVTE

Crystals by Vapor Transport Experiment

C&W

Caution and Warning System

CW

Continuous Wave

CWA

Center Weather Advisory

CWBS

Contract Work Breakdown Structure

CWL

Chemical Warfare Labs., Army Chemical Center, Md.

CW Radar

Continuous Wave Radar

CWS

Caution and Warning System (Space Shuttle)

CY

Calendar Year

CZCS

Coastal Zone Color Scanner

D

D Absorbed Dose

D&C Displays and Controls (Space Shuttle)

DA Detroit Arsenal Center Line, Mich.

DAAC Distributed Active Archive Center

DABS Discrete Address Beacon System

DAC Data Acquisition Camera

DAD Dual Air Density

DADS Data Archive and Distribution System

DAE Dynamics Augmentation Experiment

DAEC Danish Atomic Energy Commission, Roskilde

DAEMO Data Adaptive Evaluator & Monitoring System System

DAIR Direct Altitude Identity Readout
(Terminal radar facility for air traffic control)

DAIS Defense Automated Integrated Switching System

DAMP Downrange Antimissile Measurement Program

DAP

1. Digital Autopilot
2. Distributed Array Processors

DAPP

Data Acquisition and Processing Program (Later DMSP)

DAQBU

Data Acquisition and Buffering Unit

DARCOM

Development and Readiness Command (Army)

(Previously AMC-Army Material, Comd. MRDC - Mil. Requirement and Development Committee)

DARPA

Defense Advanced Research Projects Agency (DOD)

DART

Decomposed Ammonia Radiosotope Thruster

DAS

Data Acquisition System

DASA

Defense Atomic Support Agency, Washington, D.C.
(Center DNA - Defense Nuclear Agency)

DAST

Drones for Aerodynamic and Structural Testing

DAVID

1. Device for the Acquisition and Visualization of Interesting Data
2. Distributed Access View Integrated Database

DAZAL

Modification of Polytaz

DB

Data Base

DBA

Data Base Administrator

DBM

Data Base Management

- DBS
 - 1. Direct Broadcast Sounder
 - 2. Direct Broadcast Satellite

DC Data Camera

DCAS
Deputy Commander Aerospace Systems, Air Force Systems Command, Inglewood, Calif.

DCE

Droplet Combustion Experiment

- DCF
 - 1. Data Capture Facility
 - 2. Dynamic Coercive Force

DCL

Digital Equipment Corporation (DEC) Command Language

DCM

Display and Control Module (Space Shuttle)

DCP

- DCS
 - 1. Data Collection System
 - 2. Decompression Sickness
 - 3. Defense Communications System

DCS/D
Deputy Chief of Staff (Development), Washington, D.C.

DCS/O
Deputy Chief of Staff (Operations), Washington, D.C.

- 1. Digital Control Unit
- 2. Data Command Unit

DDA
Digital Differential Analyzer

DDAS
Digital Data Acquisition System

DDRB
Danish Defense Research Board

DDT
1. Deflagration to Detonation Transition
2. Dichloro-diphenyl-trichloro-ethane

DE
1. Dose Equivalent
2. Dynamics Explorer

DEA
Direct Eigenspace Assignment

DEE
Dexterous End Effector

DEGON
Diethyleneglycoldinitrate

DEHP
Diethyl Hydrogen Phosphite

DEMUR
Double Electron Muon Resonance

DEMUX
Demultiplexer

DEW
1. Directed Energy Weapons (lasers)
2. Distant Early Warning Line

DF
Direction Finding

DFBM
Digital Fly-By-Wire system

DFI	Development Flight Instrumentation (Space Shuttle)
DFRC	Dryden Flight Research Center (NASA) (Formerly FRC - Flight Research Center)
DFG	Deutsche Forschungsgemeinschaft, (German Research Assoc.)
DFT	Deep Space Network Frequency and Timing system
DFVLR	Deutsche Forschungs-und Versuchsanstalt fuer Luft-and Raum fahrt (German Research and Development Institute for Air and Space Travel)
DH	Decision Height
DHE	Data-Handling Electronics (Space Shuttle)
DIA	Defense Intelligence Agency, Washington, D.C.
DIAL	Differential-Absorption LIDAR
DIALEX	Differential Absorption Lidar Experiment
DIDSY	Dust Impact Detection System
DIGM	Diffusion Induced Grain Boundary Migration, (in crystal lattices)
DIGS	Delta Inertial Guidance System, ERTS
DIPS	Dynamic Isotope Power System

DISCOS

Disturbance Compensation System (satellite attitude control)
(Equipment on NOVA satellite-Transit Satellite)

DISCOS computer program

Dynamic Interaction Simulation of Controls and Structure program
(for the dynamic simulation and stability analysis of spacecraft)

DISPO

Display Interactive System of Orbit Planning

DIVOT

Digital to Voice Translator

DLR

Deutsche Forschungsanstalt fur Luft-und Raumfahrt
(Federal German aerospace research establishment)

DM

Docking Module

DMA

1. Direct Memory Access
2. N, N-Dimethylacetimide

DMAAC

Defense Mapping Agency Aerospace Center
(Formerly ACIC-Aeronautical Chart and Information Center)

DMAC

Modification of Tazal

DME

1. Direct Measurement Explorer (Satellite)
2. Distance Measuring Equipment

DMF

1. Digital Matched Filter
2. Dimethylformamide

DMOS

Diffusive Mixing of Organic Solutions

DMR	Differential Microwave Radiometer
DMS	<ol style="list-style-type: none">1. Data Management System2. Differential Maneuvering Simulator
DMSP	Defense Meteorological Satellite Program
DMSF	Defense Meteorological Satellite Program (Formerly DAPP)
DN	(Unit of measure-Shaft speed in rpm multiplied by the bearing bore in mm)
DN-RI	Department of the Navy, Rome (Italy)
DNA	Deoxyribonucleic acid
DNDC	Department of National Defense (Canada)
DNH	Nucleonhistone
DOAS	Differential Optical Absorption Spectroscopy
DOC	<ol style="list-style-type: none">1. Department of Commerce2. Direct Operation Costs3. Discipline Operations Center
DoD	Department of Defense
DOE	Dept. of Energy (Supplants AEC, ERDA, and ERA)

DOF

1. Degree of Freedom
2. Direction of Flight

DOI

Department of Interior

DOMSAT

Domestic Satellite

DOP

Dilution Of Precision

DOT

Department of Transportation

DPA

Destructive Physical Analysis

DPCL

Dedicated Payload and Communication Links

DPF

Dynamic Pressure Feedback

DPG

Dugway Proving Ground, Utah

DPM

Disintegrations Per Minute (Radioactive decay)

DPS

1. Data Processing System (Space Shuttle)
2. Distributed Parameter Systems

DPS/OTA YTS

Yuma Test Station, Ariz.

DPRS

Dynamic Preferential Runway System

DRAM

Dynamic Random Access Memory

DRB

DRC

DRCL Defense Research Chemical Labs (Canada)

DREWS

Direct Readout Equatorial Weather Satellite

DRG Data Receiver Group

DRML
Defense Research Medical Labs (Canada)

DRNL Defense Research Northern Lab (Canada)

DRTE Defense Research Telecommunications Establishment (Canada)

DRTS

DRVID Differenced Range Versus Integrated Doppler

DS

1. Digital Subsystems
2. Docking System

DSAE

Data Storage Electronics Assembly

DSB Double Sideband

DSBSC

DSCG	Directional Solidification Crystal Growth
DSCS	Defense Satellite Communications System
DSCT	Directional Solidification of Cadmium Telluride
DSIF	Deep Space Instrumentation Facility
DSIP	Delta Sleep Inducing Peptides
DSIS	Directorate of Scientific Information Service (Can)
DSN	Deep Space Network
DSP	Defense Support Program (Geosynchronous DOD
DSS	Decision Support Systems
DST	Data Systems Test
DSUWG	Data Systems Users Working Group
DT	Drive Tube
DTA	Differential Thermal Analysis
DTL	Diode-Transistor Logic
DTMB	David Taylor Model Basin, Washington, D.C.

DU
Digital Unit

DUMAND
Deep Underwater Muon and Neutrino Detector

DUR
Duration (Mission duration of each Shuttle flight)

DVLBI
Differential Very Long Baseline Interferometry

DVOR
Doppler Very-High-Frequency Omnidirectional Range (VOR)

DWBA
Distorted Wave Born Approximation

DXS
Diffuse X-ray Spectrometer

	E
e	Electron
E	Energy
E(r)	Earth radius
EAL	Engineering Analysis Language
EAP	Ethanolamineperchlorate
EAGLE	Energy Absorbing Gas Lithium Ejector
EAR	Electronically Agile Radar
EAS	Extensive Air Showers (Cosmic Rays)
EASE	Eva Assembly of Structures Experiment
EASE/ACCESS	Experimental Assembly of Structures in EVA/Assembly Concept for Construction of Erectable Space Structures
EASEP	Early Apollo Science Experiments Package
EBIC	Electron-Beam-Induced Current (conductivity) (a scanning electron microscope mode)
EBR	Experimental Breeder Reactor (Power Reactor)

EBR-II

Experimental Breeder Reactor-II

EBW/FU

Exploding Bridge Wire/Firing Unit
(Devices for igniting rocket propellants)

EBWR

Experimental Boiling Water Reactor

ECAC

Electromagnetic Compatibility Analysis Center, Annapolis, Md.

ECAM

ERTS Command Auxiliary Memory

ECAN

Electronic Calibration and Normalization

ECC

Electrochemical Concentration Cell

ECEL

Epithermal Critical Experiments Laboratory

ECG

Electroepitaxial Crystal Growth

ECLS

Environmental Control and Life Support

ECLSS

Environmental Control and Life Support System (NASA)

ECM

Electronic Counter Measure

ECMWF

European Centre for Medium Weather Forecasts

ECRH

Electron Cyclotron Resonance Heating

ECS

1. Energy Conversion Subsystem
2. Environmental Control System
3. EOSDIS Core System

ECT

Emulsion Chamber Technology

EDC

EROS Data Center

EDCO

Extended Duration Crew Operations

EDH

Ethylenedihydrazine

ED10

(10% of the Population Showing Physiological Response to Ionizing Radiation)

EDIS

Environmental Data and Information Service

EDK

Electric Dynamic Katathermometer

EDO

Extended Duration Orbiter

EDOS

EOS Data and Operations

EDQNM

Eddy Damped Quasi-Normal Markovian

EDRS

European Data Relay Satellite

EDS

1. Edit and Decommunication System
2. Emergency Deorbit System (NASA)
3. Emergency Detection System
4. Energy Dispersive X-ray Spectrometer

EDSA	Electrical Distribution System Analysis
EDT	Eastern Daylight Time
EDTA	Ethylenediamine Tetraacetic Acid
EED	Electronic Explosive Device
EEG	Electroencephalogram
EEPROM	Electronically Erasable Programmable Read Only Memory
EEU	Extravehicular Excursion Unit
EEVT	Electrophoresis Equipment Varification Test
EF	Exposed Facility
EFAS	En Route Flight Advisory Service
EFCR	Experimental Fast Ceramic Reactor
EFG	Edge-Defined Film-Fed Growth (Photovoltaics)
EGA	Emissivity Growth Approximation
EGCR	Experimental Gas Cooled Reactor

EGO

1. Eccentric Geophysical Observatory (Also EOGO, NASA)
2. ExtraGalactic Optical Object

EGRET

Energy Gamma Ray Experiment Telescope (Explorer)
(to be flown on HEAO-B spacecraft)

EH

Equivalent Hertz

EHF

Extremely High Frequency

EHIC

Energetic Heavy Iron Experiment

EI

(Measure of Bending Stiffness)

EIRP

Equivalent Isotropically Radiated Power

EISG

Experimental Investigations of Spacecraft Glow

EIVT

Electrical and Instrumentation Verification Test (NASA)

EKG

Electrocardiogram

EL

Exposure Limits

ELAS

Equilibrium Problems of Linear Structures

ELDO

1. European Launching Development Organization
2. European Space Vehicle Launcher Development Organization
(Now ESA - European Space Agency)

ELF
Extremely Low Frequency

ELI Alloys
Extra Low Interstitial Grade

ELISA
Enzyme Lined Immunosorbent Assay(s)

ELM
Experiment Logistics Module

ELMS
Earth Limb Measurement System

ELRAD
Earth-Limb Radiance Equipment

ELS
Emergency Landing Site

ELT
Emergency Locator Transmitter

ELV
Expendable Launch Vehicle

EM
Electromagnetic

EMC
Electromagnetic Compatibility

EMCAT
Emergency Management Computer Aided Trainer

emf
Electromotive force

EMF
Explicit Model Following

EMG
Electromyogram

EMI
Electromagnetic Interference

EML
Equatorial Magnetosphere Laboratory
(Satellite in the OPEN program)

EMR
Electromagnetic Radiation

EMSS
Experimental Mobile Satellite System

EMU
Extravehicular Maneuvering Unit

ENAP
Energetic Neurtal Atom Precipitation

ENDF
Evaluated Nuclear Data File (AEC)

ENO
Essentially Non-Oscillatory

ENSO
El Nino Southern Oscillation

EO
1. Earth Escape Orbit
1. Earth Orbit
2. Electro-Optical

EOC
EOS Operations Center

EOCR
Experimental Organic Cooled Reactor

EOGO
Eccentric Orbiting Geophysical Observatory
(Also EGO - NASA)

EOICWG

Earth Observations International Coordination Working Group

EOIM

Evaluation of Oxygen Interaction with Materials

EOL

End of Life

EOMV

Enhanced Orbital Maneuvering Vehicle

EOPAP

Earth and Ocean Physics Application Program (NASA)

GOR

Earth Orbit Rendezvous

EOS

1. Earth Observing System
2. Equations of State

EOS-AERO

EOS Aerosol (Shuttle payload to observe aerosols in the atmosphere)

EOS-ALT

EOS Altimeter (Shuttle payload to observed ocean circulation and global ice sheet mass balance)

EOS-AM

EOS A.M. (Shuttle payload to observe clouds, aerosols, radiative balance, and characterization of terrestrial surface)

EOS-CHEM

EOS Chemistry (Shuttle payload to observe atmospheric chemical species and their transformations, and ocean surface

stress)

EOS-PM

EOS P.M. (Shuttle payload to observe clouds and precipitation, terrestrial snow and sea ice, and sea surface temperature and

ocean productivity)

EOSDIS

EOS Data/Information System

EOSP	Earth Observing Scanning Polarimeter
EP	Explosive Package
EPA	Environmental Protection Agency
EPE-D	Energetic Particle Explorer
EPG	Electrical Power Generator (Space Shuttle)
EPIRB	Emergency Position Indicating Radio Beacon
EPNDB	Effective Perceived Noise in Decibels
EPOCS	Equatorial Pacific Ocean Climate Studies
EPR	Electron Paramagnetic Resonance
EPROM	Electronically Programmable Read Only Memory
EPS	Electrical Power System
ERB	Earth Radiation Budget
ERBE	Earth Radiation Budget Experiment
ERBS	Earth Radiation Budget Satellite
ERDA	Energy Research Development Act

ERDE
Explosives Research and Development Establishment, (Gt. Brit.)

EREP
Earth Resources Experiment Package
(Skylab - NASA)

ERG
Electroretinogram

ERIC
Educational Resources Information Center

ERL
Environmental Research Laboratory (NOAA)

EROS
Earth Resources Observation Systems (DOI)

EROS PROJECT
Experimental Reflector Orbital Shot Project

ERS
Earth Remote-Sensing Satellite

ERS-1
ESA Remote Sensing Satellite-1

ERTS
Earth Resources Technology Satellite

ESA
European Space Agency

ESA-x
European Space Agency-x (Foreign Reimbursable Hitchhiker-G payload sponsored by the ESA)

ESAD
Earth Science and Application Division

ESC
1. Engineering Support Center
2. European Space Conference

E-SCAN	Electronically Scanned Antennas
ESDIS	Earth Science Data and Information System
ESF	Elementary Symmetric Function
ESG	Electrically Suspended Gyroscope
ESGP	Earth Science Geostationary Platform
ESMR	Electrically Scanning Microwave Radiometer
ESO	<ol style="list-style-type: none">1. Electrically Scanning Microwave Radiometer (NASA)2. Electronic Systems Div., Air Force Systems Command, Bedford, MA3. European Southern Observatory
ESPOD	Electronic Systems Precision Orbit Determination (AF)
ESR	Electron Spin Resonance
ESRI	Environmental Systems Research Institute (NASA)
ESRO	European Space Research Organization (Now ESA - European Space Agency)
ESS	Environmental Satellite Subpanel
ESSA	Environmental Science Services Administration (Now NOAA - National Oceanic and Atmospheric Admin.)

ESSERGY

Essential Energy (Chemical systems)

EST

Eastern Standard Time

ESTAR

Electronically Scanned Thinned Array Radiometer

ESTEC

European Space Research and Technology Center (Neth.)

ESTRACK

European Space Tracking (Network)

ET

1. Effective Temperature
2. External Tank (Space Shuttle)
3. Evapotranspiration

ETA

1. Estimated time of arrival
2. External Tank Attack

ETDE

Energy Technology Data Exchange

ETR

1. Eastern Test Range
2. Engineering Test Reactor

ETS

Engineering Test Satellite

EUMETSAT

European Organisation for the Exploitation of Meteorological

Satellites

EURAD

European Acid Decomposition

EURECA

European Retrievable Carrier

EUV	Extreme Ultraviolet (Wavelengths ~ 100-200 nm)
EUVE	Extreme Ultraviolet Explorer
EV	Electron Volts
EVA	Extravehicular Activity
EVADE	Evaluation of Air Defense Effectiveness
EVA/IVA	Extra-Vehicular Activity/Intra-Vehicular Activity
EVAS	Extravehicular Activity System
EVCS	Extravehicular Communications System (Space Shuttle)
EVS	Equipment Visibility System
EXAMETNET	Experimental Inter-American Meteorological Rocket project (NASA)
EXITE	Energetic X-ray Imaging Telescope Experiment
EXOSAT	European X-ray Observatory Satellite
EXPOS	(X-ray spectropolarimetry payload on Spacelab)

F

FA

Frankfort Arsenal Philadelphia, Pa.

FAA

Federal Aviation Agency/Administration

FAF

Final Approach Fix

FAGE

Fluorescence Assay with Gas Expansion

FAI

Field-Aligned Irregularity

FAR

1. Federal Air Regulations
2. Federal Aviation Regulations

FARE

Fluid Acquisition and Resupply Experiment

FASINEX

Frontal Air-Sea Interaction Experiment

FAST

Fast Auroral Snapshot Explorer

FAUST

Far Ultraviolet Space Telescope

FAX

Facsimile Transmission

FBFM

Feedback Frequency Modulation

FBIS

Foreign Broadcast Information System

FBM Weapon System

Fleet Ballistic Missile Weapon System

FC Fuel Cell (Space Shuttle)

FCA Flow Control Assembly (Space Shuttle)

FCC

1. Face Center Cubic Crystal
2. Federal Communications Commission

FCHP Feedback Controlled Heat Pipes

FCI Full Configuration-Interaction (Quantum Chemistry)

FCOS Flight Control Operating System (Space Shuttle)

FCP Fuel Cell Power (Plant, Space Shuttle)

FCS Flight Control System (Space Shuttle)

FDA

1. Fault Detection and Accommodation
2. Fault Detection and Annunciation (Space Shuttle)
3. Food and Drug Administration

FDD Foreign Documents Div., Central Intelligence Agency, Washington, D. C.
(Now under FBIS)

FDE Fluid Dynamics Experiment

FDI&R Failure Detection Identification and Control System Reconfiguration

FDM Frequency Division Multiplexing

FDMA

Frequency-Division Multiple Access

FDMDA

Full Diameter Motirized Door Assembly

FDP

1. Fatigue Decreased Proficiency
2. Flight Data Processing

FDSU

Flight Data Storage Unit

FEA

1. Finite Element Analysis
2. Fluid Experiment Assembly

FEBA

Forward Edge Battle Area

FEE

French Echocardiograph Equipment

FEL

First Element Launch

FEM

Finite Element Modeling

FEP

1. Fluoroethylkene Polymer
2. Fountain Effect Pumps

FES

Flash Evaporator System (Space Shuttle)

FESR

Finite Energy Sum Rules (Physics)

FET

Field Effect Transistor

FF

1. First Flight
2. Free-Flyer

FFE

Full Flight Envelope

FFT

Fast Flux Test Facility (Nuclear Reactor)

FFTO

Free-Flying Teleoperator
(Remotely controlled cybernetic man-machine system for the Space Shuttle)

FGGE

First GARP Global Experiment

FGS

Fine Guidance Sensors

FHR

Fetal Heart Rate

FIFE

First ISLSCP Field Experiment
(International Satellite Land-Surface Climatology Project)

FIG

Fiber Interferometer Gyroscope

FIM

Field Intensity Meter

FIR

Flight Information Region

FIRAS

Far Infrared Absolute Spectrometer

FIRE

First ISCCP Regional Experiment
(ISCCP International Satellite Cloud Climatology Project)

FIREX

1. Free Flying Imagine Radar Experiment
2. Fire Extinguishing System
3. Firing Exercise

FIREX/SAMEX

Free Flying Imaging Radar Experiment/Soviet American Microwave Experiment

FIRST

Fabrication of Inflatable Reentry Structures for Test

FITH

Fire in the Hole Technique

FITS

Flexible Image Transport System

FIXS

Fourier Imaging X-ray Spectrometer

FJPS

Field Joint Protection System

FL

Flight Level

FLAT

1. Flight-Plane-Aid Tracking
2. Foreign Language Aptitude Test

FLOATZONE

Float Zone Crystal of Cadmium Telluride

FLOX

Fluorine-Liquid Oxygen

FLSC

Flexible Linear-Shaped Charge

FLT

Flight

FLTSATCOM

Fleet Satellite Communications

FM

1. Facility Management
2. Facility Module (Man-tended module in support of ISF providing space for middeck locker inserts and common racks for payload accomodations)
3. Failure Mode (Space Shuttle)
4. Frequency Modulation

FMAD

Fluid Management and Distribution

FMEA

Failure Modes and Effects Analysis (Space Shuttle)

FMECA

Failure Modes, Effects, and Criticality Analysis

FMFB

Frequency Demodulator using FeedBack

FM/FM

Double Frequency Modulation

FMS

Fluid Management System

FOC

1. Faint Object Camera
2. Fiber-Optic Cable
3. Full Optional Capability

FOCAL

Francais Ocean et Climat dans l'Atlantique

FOCS

Fiber Optic Chemical Sensors

FOG

Fiber Optic Gyroscope

FOGW

Fiber Optic Ground Wire

FOMS	Future Operational Microwave Sounder
FOS	Faint Object Spectrograph
FOT	Frequency Optimum Traffic
FoV	Field of View
FPD	Flight Planning Document
FPE	French Postural Experiment
FPIM	Fluorescent Penetrant Inspection Module
FPL	Forest Products Lab., (Dept. of Agric.) Madison, Wis.
FPRC	Flying Personnel Research Committee (Gt. Brit.)
FRC	<ol style="list-style-type: none">1. Field Reversed Configuration2. Flight Research Center (Later DFRC - NASA)3. Full Route Clearance Necessary
FRCI	Fiber Reinforced Composite Insulation
FRCS	Forward Reaction Control System (Space Shuttle)
FREL	Feltman Research and Engineering Lab., Picatinny Arsenal, Dover, N. J.
FRL	Feltman Research Labs., Picatinny Arsenal, Dover, N. J.

FRMS

Federation of Rocky Mountain States

FROZEPipe

Frozen Startup of a Heat Pipe in Microgravity

FSD

Flying Spot Digitizer

FSM

Fault Summary Message (Space Shuttle)

FSP

Flight Strip Printer

FSPCM

Flight Strip Printer Control Module

FSS

1. Fixed Satellite Service
2. Flight Service Station
3. Flight Support Structure (Space Shuttle)
4. Flight Support System
5. Flutter Suppression System

FSW

1. Feet of Seawater (33 FSW = 1 Atmosphere)
2. Flight Software (Space Shuttle)

FTA

Fault Tree Analysis

FTD

Foreign Tech. Div., Air Force Systems Command, Wright-Patterson Air Force, Ohio

FTIR

Fourier Transform Infrared (Spectroscopy)

FTS

1. Federal Telecommunications System
2. Flight Telerobotic Servicer
3. Flight Telerobotic System
4. Fourier Transform Spectroscopy

FUSE

Far Ultraviolet Spectroscopic Explorer

FUV

Far Ultraviolet

FWF

Fleet Weather Facility

FY

Fiscal Year

G

g

1. Gluon
2. Gram

G

1. (Gravitational Force/Constant)
2. Giga (billion)

GAC

Global Area Coverage

GALCIT

1. Graduate Aeronautical Lab., Cal. Inst. Technology
2. Guyggenheim Deronautical Lab., (at Col. Inst. of Technology)

GALE

Genesis of Atlantic Lows Experiment

GAMA

General Aviation Manufacturers Association

GAMP

1. Global Atmospheric Measurements Program (NSF)
2. Group Agromet Monitoring Project

GAO

General Accounting Office

GARP

Global Atmospheric Res. Program
(Sponsored by the World Meteorological Organization)

GAS

Get-Away Special (Space Shuttle)

GAS BRIDGE

Get-Away Special Bridge (Holds up to 12 GAS canisters)

GASCAN

Get-Away Special Cannister

GASP

1. General Aviation Synthesis Program
2. Global Atmospheric Sampling Program (NASA)
3. Global Air Sampling Program
4. (NASA Ames Computer Program)

GATE

1. GARP Atlantic Tropical Experiment
2. Getaway Tether Experiment

Gb

Gigabit

Gbps

Gigabits per second

GCA

Ground Controlled Approach

GCDIS

Global Change Data and Information System

GC/MS

Gas Chromatograph/Mass Spectrometer

GCM

General Circulation Model

GCP

1. Glass-Cloth Phenolic
2. GLO CRYOHP Payload

GCR

1. Galactic Cosmic Radiation
2. Gas Cooled Reactor

GDHS

Ground Data Handling System

GDMA

Glycol Dimethacrylate

GDOP

Geometric Dilution of Precision

GDR

1. Geophysical Data Records
2. Giant Dipole Resonance

GDSCC

Goldstone Deep Space Communication Complex

GE

General Electric American Communications, Inc.

GEI

Ground Environmental Instrumentation

GEM

Goddard Earth Model (of gravity)

GEMT1

Goddard Earth Model T1

GEMT2

Goddard Earth Model T2

GEO

Geosynchronous Earth Orbit

GEODSS

Ground-Based Electro-Optical Deep Space Surveillance

GEOS

Geodynamic Experimental Ocean Satellite

GEOSAR

Geosynchronous Earth Orbit Synthetic Aperture Radar

GEOSARI

GEOS launch by Ariane
(ESA geostationary satellite with elliptical orbit)

GEP

Goddard Experiment Package Telescope

GERT

Graphical Evaluation and Review Techniques

GET
Ground Elapsed Time

GETR
General Electric Test Reactor

GeV
Gigaelectronvolts

GEWEX
Global Energy and Water Cycle Experiment

GFCR
Gas Filter Correlation Radiometry

GFDL
Geophysical Fluid Dynamics Laboratory

GFFC
Geophysical Fluid Flow Cell
(A model prepared for Spacelab flights which is concerned with convective instability in vertically unstable atmospheres)

GFY
Government Fiscal Year

GGS
Global Geospace Study

GHCD
Growth Hormone Concentration & Distribution in Plants

GHz
Gigahertz

GI
Gastro-Intestinal

GIDEP
Government-Industry Data Exchange Program

GIFOV
Ground Instantaneous Field of View

GIMMS

Global Inventory Modeling and Monitoring System

GIMRADA

Geodesy, Intelligence and Mapping Research and Development Agency, Fort Belvoir, Va.
(Army Engineer)

GIPSY

Generalized Information Processing SYstem

GIS

Geographic Information System

GISS

Goddard Institute for Space Science

GJ

Measure of Torsional Stiffness

GLAS

Goddard Laboratory for Atmospheric Sciences

GLC

Gravity Induced Loss of Consciousness

GLIS

Global Land Information System

GLO

Shuttle Glow (Hitchhiker payload to measure optical emissions
observed on the surface of spacecraft and Shuttle)

GLOMR

Global Low Orbit Message Relay

GLOTRAC

Global Tracking Network

GLOWATS

Global War Avoidance Telecommunications System

GLRS

1. Geodynamics Laser Sensing System
2. Geoscience Laser Ranging System

GMS	Geostationary Meteorological Satellite
GMT	Greenwich Mean Time
GNC	Guidance, Navigation, and Control (Space Shuttle)
GOA	Geometrical Optics Approximation
GOAT	Grouped Optimal Aggregation Technique
GOES	Geostationary Operational Environmental Satellite
GOC	Ground Operations Coordinator (NASA)
GOLIATH	Giant On-Line Instrument for the Acquisition and Total Handling of data
GOSAMR	Gelation of Sols: Applied Microgravity Research
GOSS	Ground Operational Support System
GOX	<ol style="list-style-type: none">1. Gaseous Oxygen2. Gaseous Quantum Container
GP-B	Gravity Probe-B Experiment
GPC	General Purpose Computer (Space Shuttle)
GPS	Global Positioning System

GRAM

Global Reference Atmosphere Model

Gr/E

Graphite-Epoxy

GRIST

Grazing Incidence Solar Telescope (for Spacelab)

GRID

Gamma Ray Imaging Device

GRIS

Global Resources Information System

GRITS

Gamma Ray Imaging Telescope System

GRM

Geopotential Research Mission

GRO

Gamma-Ray Observatory

GRP

Glass Reinforced Plastic

GRS

1. Geometric Radiating Surface
2. Great Red Spot
3. Gamma-Ray Source
4. Gamma-Ray Spectrometer (from SMM)

GSA

General Services Administration

GSE

Ground Support Equipment

GSFC

Goddard Space Flight Center

GSO

Geosynchronous Orbit

GSTDN	Ground Spaceflight Tracking and Data Network
GT	Global Temperature
GTA	Gas Tungsten Arc
GTC	Grand Tour Cluster
GTE	Global Tropospheric Experiment (NASA)
GTF	Ground Test Facility
GTL	Geomagnetic Tail Laboratory (Satellite in the OPEN program)
GTO	<ol style="list-style-type: none"> 1. Geosynchronous Transfer Orbit 2. Guaranteed Observing Time
GV	Gigavolt
GVB	Generalized Valence Band (Quantum chemistry)
GW	Gravitational Wave
gx	(Vibrational Acceleration in the Direction of the X-Axis)
Gy	Gray (Radiation dosage unit of measure)
gy	(Vibrational Acceleration in the Direction of the Y-Axis)

gz

(Vibrational Acceleration in the Direction of the Z-Axis)

H

HAA

Height Above Airport

HALO

High Altitude Large Optics

HALOE

Halogen Occultation Experiment

HANDS

High Altitude Nuclear Detection Studies

HAO

High Altitude Observatory
(Boulder, Colo.-Nat. Ctr. for Atmospheric Research)

HARCO

Hyperbolic Area Coverage System (Navigation)

HARV

High Alpha Research Vehicle

HASP

1. Hand Altitude Sounding Projectile
2. High Altitude Space Platform

HAT

Height Above Touchdown

HAWK

Homing-All-the-Way Killer

HBCU

Historically Black Colleges and Universities

HBNQ

Nitroguanidine

HBWR

Halden Boiling Heavy-Water Reactor

HCF	Hardened Compact Fiber
HCI	Human-Computer Interface
HCMM	Heat Capacity Mapping Mission (NASA)
HCP	Hexagonal Close Packed Structures
HDC	Hybrid Driver Controller (Space Shuttle)
HDD	Human Disorientation Device
HDL	Harry Diamond Labs., Washington, D. C.
HE	High Eccentricity orbit
HEAO	High Energy Astronomical Observatory spacecraft
HECRE	High Energy Cosmic Ray Experiment
HED	<ol style="list-style-type: none">1. Horizontal Electric Dipole2. High Energy Detector
HEE	Human Energy Expenditure
HEF	High Energy Fuel
HEI	Human Exploration Initiative

HEIST

High Energy Isotope Spectrometer Telescope

HEL Human Engineering Lab., Aberdeen Proving Ground, Md.

HELIO Heliocentric

HEMT

High Electron Mobility Transistor

HENRE

High Energy Neutron Reaction Experiment (AEC)

- HEO
 - 1. High Earth Orbit
 - 2. Highly Elliptical Orbit

HERF High Energy Rate Forming of Powdered metals (Forging)

HERO

Hazards of Electromagnetic Radiation to Ordnance

HERS

High Energy Range Spectrometer (GIOTTO)

HESP

HET Health/Education Telecommunications (Experiment)

HETE High Energy Transient Experiment

HEUS

High Energy Upper Stage (Engine)

HEW
Department of Health, Education and Welfare

HF

High Frequency

HFE

1. Heat Flow Experiment
2. Human Factors Engineering

HFSS

High-Frequency Sounder System

HGA

High-Gain Antenna

HH-G

Hitchhiker-G (Shuttle cargo bay sidewall mounted carrier for small

experi
ments)

HH-G1

Hitchhiker-G1 (Demonstration flight of Hitchhiker-G hardware)

HH-M

Hitchhiker-M (Shuttle cargo bay across-bay carrier for small experiments)

HHS

Health and Human Services

HICAT Project

1. High Resolution Coverage Antenna Technique
2. High Altitude Clear Air Turbulence

HIIS

Heavy Ions In Space

HILAT

High Latitude Satellite

HiMAT

Highly Maneuverable Aircraft Technology

HIP

Hot Isostatic Pressing

HIPLEX

High Plains Cooperative Program (Big Springs, Texas)

HiRAP

High Resolution Accelerometer Package

HIRDLS

High-Resolution Dynamics Limb Sounder

HIRIS

High Resolution Imaging Spectrometer

HIRL

High Intensity Runway Lights

HIRS

High Resolution Infrared Sounder

HIRS/MSU

High Resolution Infrared Sounder/Microwave Sounding Unit

HIRT

High Reynolds Number Tunnel

HISM

Hot Interstellar Medium

HITAB Program

High-Altitude Target and Background Program

HIVES

High Volume Electrostatic Sampler

HIVOS

High Vacuum Orbital Simulator

HLH

Heavy-Lift Helicopter

HLLV

Heavy Lift Launch Vehicle

HMB

3-hydroxy-3-methyl butene

HMC	Halley Multicolor Camera
HMD	Helmet-Mounted Display
HME	Handheld Microgravity Experiment
HMF	Health Maintenance Facility
HMMR	High Resolution Multifrequency Microwave Radiometer (Earth Observing System, EOS)
HMX	Cyclotetramethylene Tetranitramine
HNPF	Hallam Nuclear Power Facility
HNST	Hexanitrostilbene
HOE	Holographic Optical Elements
HOL	High-Order Language
HOPE	Halley Optical Probe Experiment
HOPE Spacecraft	Hydrogen Oxygen Spacecraft
HO-W	Hydrographic Office Washington, D. C.
HPCG	Handheld Protein Crystal Growth

HPCI	High Performance Computing Initiative
HPE	Hexakis (NF2) Dipropyl Ether
HPM	High Performance Motor
HPOTP	High Pressure Oxidizer Turbopump
HPP	Heat Pipe Performance & Working Fluid Behavior in Micro-gravity
HPTE	High Precision Tracking Experiment
HPU	<ol style="list-style-type: none">1. Hydraulic Power Units2. Hydraulic Pumping Unit
HQS	Headquarters
HRIR	High Resolution Infrared Radiometer
HRIS	High Resolution Infrared Sounder
HRMA	High Resolution Mirror Assembly
HRPT	High-Resolution Picture Transmission
HRS	High-Resolution Spectrograph
HRSGS	High Resolution Shuttle Glow Spectroscopy

HRTC

High Resolution Telescope Cluster

HRTEM

High Resolution Transmission Electron Microscopy

HRTS

High Resolution Telescope and Spectrograph
(Orbiting Solar Laboratory)

HS-376 RET

HS-376 Retrieval (Salvage of HS-376 communications satellites
launched on the tenth Shuttle mission)

HSCT

High Speed Civil Transport

HSI

1. High-Speed Interferometer
(Space-developed remote detector of smog)
2. Horizontal Situation Indicator

HSM

Harmonic Subcarrier Method

HSRP

High Speed Research Program

HST

1. Hubble Space Telescope
2. Hypersonic Transport

HSTDEK

Hubble Space Telescope Design/Engineering Knowledge base

HSTSM

Hubble Space Telescope Salvage Mission

HSVP

High Speed Vector Processor

HTAH

High Temperature Air Heat (for Magnetohydrodynamics power plants)

HTFFR

High Temperature Fast Flow Reactor

HTGR

High Temperature Gas-cooled Reactor

HTPB

Hydroxy Terminated Polybutadiene Polymer (Propellant)

HUD

1. Head Up Display
2. Department of Housing and Urban Development

HVAC

High-Voltage Alternating Current

HWCTR

Heavy Water Components Test Reactor

HXIS

Hard X-ray Imaging Spectrometer

HXRBS

Hard X-ray Burst Spectrometer

HYD

Hydraulics (Space Shuttle)

HYMOSS

Hybrid Mosaic on Stacked Silicon

HZE

(High-ionizing high energy particles)

Hz

Hertz

IAC

Instantaneous Airborne Count

IAE

Instituto de Atividades Espaciais (Centro Tecnico Aerospacial de Sao Jose dos campos - Brazil)

IAF

1. Image Analysis Facility
2. Initial Approach Fix

IAP

1. Instrument Approach Procedure
2. Intra-Abdominal Pressure

IAPS

Ion Auxiliary Propulsion System

IAU

International Astronomical Union

IBG

Intermediate BTU Gas

IBIS

1. Image Based Information System
2. Instrument for Biological Investigations In Space

IBM

International Business Machines Corp.

IBSE

Initial Blood Storage Equipment

IBSS

Infrared Background Signature Survey

IBSSU

Internal Bearing Stabilized Sighting Unit

(A stabilized platform for mounting target acquisition and designation instruments on the AH-1G Cobra attack helicopter)

IC	Integrated Circuit
ICAF	Industrial Coll. of the Armed Forces, Washington, D. C. (Later UND)
ICAM	Integrated Computer-Aided Manufacturing
ICAN	International Convention for Air Navigation (Commission for)
ICAO	International Civil Aviation Organization
ICAS	<ol style="list-style-type: none">1. Interagency Committee for Atmospheric Science2. International Council of the Aeronautical Sciences
ICASE	Institute for Computer Applications in Science and Engineering
ICB	Inertia Compensated Balance
ICBC	IMAX Cargo Bay Camera
ICBM	Intercontinental Ballistic Missile
ICCERSP	Interagency Coordinating Committee for Earth Resources Survey Programs
ICD	Interface Control Document
ICE	International Cometary Explorer
ICEM	Integrated Computer-Aided Engineering and Manufacturing

ICF	Instrument Control Facility
ICHM	Integrated Control and Health Monitoring
ICL	Image Composition Language
ICNI	<ol style="list-style-type: none">1. Improved Communications, Navigation, and Identification2. Integrated Communication, Navigation, and Identification
ICO	Interagency Committee on Oceanography, Washington, D. C. (Later, CMSER)
ICPP	Idaho Chemical Processing Plant
ICR	Inertial Confinement Fusion Reactor
ICRCCM	InterComparison of Radiation Code in Climate Models
ICRS	Intercom Remote Station (Space Shuttle)
ICSU	International Council of Scientific Unions
ICTAF	Interdisciplinary Center for Technological Analysis and Forecasting (at Tel-Aviv University)
IDA	Institute for Defense Analyses, Washington, D.C.
IDAMS	Image Display And Manipulation System (NASA)
IDC	Image Dissector Camera

IDECS

Image Discrimination, Enhancement, and Combination System
(Electronic Optical System)

IDENT

Aircraft Identification

IDEP

Interagency Data Exchange Program
(GIDEP - Government - Industry Data Exchange Program)

IDI

Inplane Displacement and Inertia

IDS

1. Image Dissector Scanner
2. Integrated Dynamic System

IDSP

Interim Digital SAR Processor

ID-GS

Intelligence Div., General Staff, Washington, D. C.

IE-A

Ionosphere Explorer-A

IECM

Induced Environment Contamination Monitor

IECO

Inboard Engine Cutoff

IEF

Isoelectric Focussing Experiment

IEH

International Extreme-UV Far-UV Hitchhiker

IEO

Intermediate Earth Orbit

IEOS

International Earth Observing System

IF

Intermediate Frequency

IFATCA

International Federation of Air Traffic Controllers Associations

IFF

1. If and only If (Logic/Mathematics)
2. Identification, Friend or FOE (Detection)

IFM

In-Flight Maintenance (Space Shuttle)

IFOV

Instantaneous Field-of-View

IFR

Instrument Flight Rules

IFYGL

International Field Year on the Great Lakes

IFWS

Integrated Flexible Welding System

IG

Igloo (Structure which provides a pressurized and thermally controlled environment for Spacelab pallet subsystems)

IGA

Intergovernmental Agreement

IGBP

International Geosphere-Biosphere Program

IGDR

Interim Geophysical Data Records

IGM

1. Intergalactic Media
2. Iterative Guidance Mode

IGRF

International Geomagnetic Reference Field

IGT	Improved Gas Turbine
IGY	International Geophysical Year
IHW	International Halley Watch
IIGS	Initial Image Generating Subsystem
IIP	Instantaneous Impact Predictor
IKI	Space Research Institute (USSR)
ILS	Instrument Landing System
IMAX	IMAX systems Corp., Toronto, Ontario, Canada
IMBLMS	Integrated Medical and Behavioral Laboratory Measurement System
IMC	Image Motion Compensation (Compensator)
IMCC	Integrated Mission Control Center (NASA)
IMCO	International Governmental Maritime Consultative Organization
IME	International Magnetospheric Explorer (NASA/ESRO)
IMF	<ol style="list-style-type: none">1. Initial Mass Function2. Interplanetary Magnetic Field

IMI

Inner Magnetosphere Imager

IML

International Microgravity Laboratory

IMP

Interplanetary Monitoring Platform (Explorer Satellites)

IMP-H

Explorer 47

IMP-J

Explorer 50

IMP 7

Explorer 47

IMP 8

Interplanetary Monitoring Platform

IMPACT

Ion Implementation Perturbed Angular Correlation Technique

IMPATT

1. Impactionization, Avalanche and Transit-Time
2. Impact Ionization Avalanche Transit Time (Solid State Diodes)

IMRA

Infrared Monochromatic Radiation

IMS

1. Information Management System
2. Ion Mass Spectrometer

IMSC

Independent Model Space Control

IMU

Inertial Measurement Unit (Space Shuttle)
(see also SDIMU)

INAA

Instrument Neutron Activation Analysis

INC Intranuclear Cascade

INCL Inclination

INF Inland Navigation Facility

INFO Ionic Difluoroamino Oxidizer

INIS

International Nuclear Information System

INMARSAT

International Microgravity Laboratory

INREQ
Information Request

INS

Inertial Navigation System

INSAT Indian Satellite

INTEGRAL

International Gamma Ray Astrophysics Laboratory

INTELESAT-VI-R INTELESAT-VI-Reboost

I/O

IOA Independent Orbiter Assessment (Space Shuttle)

IOC

1. Initial Operational Capability
2. In-Orbit Construction
3. Intercell Ohmic Contact

IOCM

Interim Operational Contamination Monitor

IOM

Input/Output Module (Space Shuttle)

IOSV

Interorbital Space Vehicle

I/OCE

Input/Output Control Element

IPAC

Infrared Processing and Analysis Center

IPACS

Integrated Power/Attitude Control System

IPAD

Integrated Programs for Aerospace Vehicle Design

IPC

1. Interprocess Communications
2. Image Proportional Counter (Astronomy; HEAO-2)

IPIS

Interactive Parameter Identification System

IPIS-RAFB

Instrument Pilot Instructor School Randolph Air Force Base, Tex.

IPL

1. Image Processing Laboratory
2. Interplanetary Physics Laboratory
(Satellite in the OPEN program)

IPM

Interference Prediction Models

IPMP

Investigation into Polymer Membranes Processing

IPN

Interpenetrating Polymer Networks

IPOC

International Partner Operations Center

IPOD

Image Processor for Optical Data

IPS

1. Instrument Pointing System
2. Intermittent Positive Control
3. Isotope Power System

IPTS

International Practical Temperature Scale

IQSY

International Quiet Sun Year (1964-65)

IR

1. Imaging radar
2. Infrared
3. Ionizing Radiation

IR-IE

Infrared Imaging Equipment

IRAF

Interactive Data Reduction and Analysis Facility

IRAS

Infrared Astronomical Satellite

IRBM

Intermediate Range Ballistic Missile

IRCFE

Infrared Communications Flight Experiment

IRDA

1. Infrared Detection and Array
2. Infrared Detection and Acquisition

IRI

International Reference Ionosphere

IRIG

1. Inertial Reference Integration Gyro
2. Inter-range Instrumentation Group

IRIA

Infrared Information and Analysis

IRIS

1. Infrared Interferometer Spectrometer (Voyager)
2. Itallian Research Interim Stage

IRLS

Interrogation Recording and Location System
(Naval Oceanographic Office)

IRT

Integrated Rendezvous Radar Target

IRTS

Infrared Telescope in Space

ISA

1. Interstage Adapter
2. International Standard Atmosphere

ISAC

INTELESAT Solar Array Coupons

ISAIAH

Israeli Space Agency Investigation About Hornets

ISAMS

Improved Stratospheric and Mesospheric Sounder

ISAS

Institute of Space and Astronautical Science (Japanese)

ISC
International Space Corporation

ISCAN
1. Inertialess Steerable Communications Antenna
2. International Sanitary Convention for Air Navigation

ISCCP
International Satellite Cloud Climatology Project

ISEE
International Sun-Earth Explorers

ISEM
ITA Standardized Experiment

ISF
Industrial Space Facility

ISIS
International Satellite for Ionospheric Study

ISLSCP
International Satellite Land-Surface Climatology Project

ISM
1. Independent Subcarrier Method
2. Interstellar Medium

ISO
Infrared Space Observatory

ISP
Specific Impulse

ISPM
International Solar Polar Mission

ISR
Infrared Scanning Radiometer

ISS

1. Imaging Science Subsystem
2. Ion Scattering Spectroscopy
3. Integrated Start System (Satellite)

ISSEC

Internal Spectral Shifter and Energy Converter

IST

Instrument Support Terminal

ISTO

Information Sciences Technology Office

ISTP

International Solar Terrestrial Physics (program)

ISV

International Space Year

ITE

Integral Throat and Entrances (of rocket nozzles)

ITL

Industries Test Lab., Philadelphia Naval Shipyard, Pa.

ITOS

Improved TIROS Operational Satellite

ITP

Intra-Thoracic Pressure

ITPR

Infrared Temperature Profile Radiometer

ITU

International Telecommunications Union

ITV

1. Instrumented Test Vehicle
2. Interplanetary Transfer Vehicle

IUE	International Ultraviolet Explorer
IUS	Inertial Upper Stage (Space Shuttle)
IUSB	Integrated Utility Systems Board
IUTE	Industry University Technology Experiment
I-V	Current/Voltage
IV	Intravenous
IV&V	Independent Verification and Validation
IVA	Intravehicular Activity
IWG	Investigator Working Group

JACEE
Japanese-American Cooperative Emulsion Experiments

JANNAF
Joint Army, Navy, NASA, and Air Force

JATO
Jet Assisted Takeoff

JAWS
Joint Airport Weather Studies

JAZAL
(Modification of Polytaz)

J x B
Crossed Field Devices
(Amplifier, MHD Generators)

JEM
Japanese Experiment Module

JERS
Japan's Earth Resources Satellite

JIAFS
Joint Institute for Advancement of Flight Sciences

JICST
Japanese Information Center for Science and Technology

JOCR
Joint Observatory for Cometary Research

JOSE
Joint Optics Structures Experiment

JPL
Jet Propulsion Laboratory

JPRS

Joint Publications Research Service
(Dept. of Commerce, translations)

JPS

Joint Protection System

JPTF

Joint Parachute Test Facility, El Centro, Calif.

JRA-5C Aircraft

Vigilante Aircraft or RA-5C Aircraft or A3J Aircraft
(North Amer. Aviat.)

JSC

NASA Lyndon B. Johnson Space Center
(Formerly Manned Spacecraft Center)

JSEP

Joint Services Electronics Program

K

KABLE
Ka-Band Link Experiment

KACE
Ka-band Communication Experiment

KANDIDATS
Kansas Digital Image Data System

KAO
Kuipper Airborne Observatory

KASC
Knowledge Availability Systems Center (U. of Pittsburgh)

K-band
(Band of radio frequencies extending from 10,900 to 36,000 megahertz - 2.75 to 0.834 cm)

KC
(Fracture Toughness - metals)

KEW
Kinetic Energy Weapon

KIAS
Knots Indicated Air Speed

KKV
Kinetic Kill Vehicle

KNMI
Royal Netherlands Meteorological Institute

KPNO
Kitt Peak National Observatory

KREEP
Potassium, Rare-Earth Elements and Phosphorus
(Moon Rocks & Soil)

KSC

NASA John F. Kennedy Space Center

KWOT

Kilometer-Wave Orbiting Telescope

L

L3

Latitude/Longitude Locater

LACATE

Lower Atmospheric Composition and Temperature Experiment (NASA)

LACE

1. Liquid Air Cycle Engine
2. Lunar Atmospheric Composition Experiment
(also known as the LMS)

LACIE

Large Area Crop Inventory Experiment (NASA)

LAGEOS

Laser Geodynamic Satellite (NASA)

LAHF

Linear Acousto-optic Heterodyne Frequency-plane Filters

LAI

Leaf Area Index

LAMMA

Laser Microprobe Mass Analyzer

LAMMR

Large Aperture Multifrequency Microwave Radiometer

LAMPRE Program

Los Alamos Molten Plutonium Reactor

LAMPS

1. Limited Area Mesoscale Prediction System
2. Light Airborne Multipurpose System (NAVY)

LAN

Local Area Network

Landsat

Land Remote-Sensing Satellite

LAP Launch Assembly Plan

LAPH Lithium Aluminum Pentahydride

LaRC Langley Research Center

LARGOS Laser-Activated Reflecting Geodetic Optical Satellite

LARS Lower Atmosphere Research Satellite

LAS Large Astronomical Satellite (ESRO satellite)

LASA

- 1. Large Aperture Seismic Array
- 2. Large Aperture Solar Array
- 3. Laser Atmospheric Sounder and Altimeter

LASARS Low probability of intercept Antijam Secure Airborne Radio System

LASE Lidar Atmospheric Sensing Experiment

laser Light Amplification by Stimulated Emission of Radiation

LASL Los Alamos Scientific Lab., N. Mex.

LASSO Laser Synchronization from Stationary Orbit

LAST Large Aperture Scanning Telescope

LASV Low Altitude Supersonic Vehicle
(Formerly SLAM)

LAW

Light Antitank Weapon

LAWRS

Limited Aviation Weather Reporting Station

LAWS

1. Laser Atmospheric Wind Sounder
2. Low-Altitude Warning System

LBG

Low BTU Gas

LBNP

Lower Body Negative Pressure Device

LCA

Load Controller Assembly (Space Shuttle)

LCAO

1. Linear Combination of Atomic Orbitals
2. Limited Configuration Atomic Orbital

LCC

1. Launch Control Center (Space Shuttle)
2. Life Cycle Costs

LCD

Liquid Crystal Display

LCELSS

Lunar-Base Controlled Ecological Life Support System

LCF

Low Cycle Fatigue

LCP

Left Circular Polarization

LCRE

Lithium Cooled Reactor Experiment

LCTS

Laser Communication Test Systems

L/D	Lift/Drag Ratio
LD50	Lethal Dose of Ionizing Radiation for 50% of the Population
LDBF	Long Duration Balloon Flight
LDCE	Limited Duration Space Environment Candidate Materials Exposure
LDEF	Long Duration Exposure Facility
LDR	Large Deployable Reflector
LEAF	Low Energy Absorption Forum
LEAM	Lunar Ejecta and Meteorites Experiment
LEAR	Low Energy Antiproton Ring
LEBU	Large Eddy Break Up (turbulence)
LEC	Liquid Encapsulated Czochralski (Crystal Growth Method)
LED	Light-Emitting Diode
LEED	Low Energy Electron Diffraction
LEG	Liquefied Energy Gases (Refers to both liquefied natural gas and liquefied petroleum gas)

LEM

Lunar Excursion Module

LEMS

1. Low Energy Molecular Scattering
2. Linear Econometric Modeling System

LEMU

Lunar Extravehicular Mobility Unit

LEO

Low Earth Orbit

LEP

Laboratory for Extraterrestrial Physics

LEQ

Equivalent Continuous Noise Level (4 db exchange rate)

LeRC

Lewis Research Center

LES

Lincoln Experimental Satellite

LEST

1. Large European Solar Telescope (Earth Survey)
2. Low Energy Speech Transmission

LET

Linear Energy Transfer

LETF

Launch Equipment Test Facility

LF

Low Frequency

LFC

1. Laminar Flow Control
2. Large Format Camera

LFMR

Low-Frequency Microwave Radiometer

LGO

1. Low Gravity Orbit
2. Lunar Geoscience Observer

LGS

Lunar Geodetic Scout

LHX

(Designation for a family of Light Military Helicopters)

LIBORS

Laser Ionization Based on Resonance Saturation

LID

Light Intensity Devices

LIDAR

Light Detection and Ranging Device (Optical Radar)

LIMEX

Labrador Ice Margin Experiment

LIMS

Limb Infrared Monitor of the Stratosphere

LIRTS

Large Infrared Telescope on Spacelab

LIS

Lightning Imaging Sensor

LISM

Local Interstellar Medium

LITE

Lidar In-Space Technology Experiment

LIXISCOPE

Low Intensity X-ray Imaging Scope
(Hand held device for real-time scanning)

LLMM

Low Level Meteorological Model

LLR

Lunar Laser Ranging

LLWAS

Low Level Wind Shear Alert System

LM

Lunar Module

LMCR

Liquid Metal Cooled Reactor

L/MF

Low/Medium Frequency

LMFBR

Liquid Metal Fast Breeder Reactor

LMN

Lithium Meta Niobate

LMP

Lunar Module Pilot

LMS

Lunar Mass Spectrometer (also known as LACE)

LMSC

Lockheed Missiles and Space Company

LMSS

1. Land Mobile Satellite Service
2. Lunar Mapping and Survey System

LMTO

Linear Muffin-Tin Orbitals (Atomic physics)

LNPE

Lunar Neutron Probe Experiment

LO

Local Oscillator

LOC

Large Optical Cavities

LOCA

Loss Of Coolant Accident

(An incident involving the loss of primary coolant in a nuclear reactor)

LOCOS

(Logic of Computers Operating System for the PDP-)

LOD

Length of Day

LOE

Level of Effort

LOFT

Loss-Of-Fluid Test

LOFTI

Low Frequency Transionospheric Satellite

LOH

Light Observation Helicopter (OH-6)

LOLA

Lunar Observer Laser Altimeter

LOP

Lunar Orbital Prospector

LOR

Lunar Orbital Rendezvous

LORO

Lobe On Receive Only

LORAN

Long Range Navigation

LORV

Low Observable Reentry Vehicle

LOS

1. Line of Sight
2. Loss of Signal

LOTUS

Long Term Upper Ocean Story

LOTS

Logistics Over The Shore Carrier

LOVA

Low Vulnerability Gun Propellants

LOVE

Lunar Observations Verifier Editor

LOX

Liquid Oxygen

LP

Load Package

LPCVD

Low Pressure Chemical Vapor Deposition

LPE

Liquid Phase Epitaxy

LPS

Launch Processing System (Space Shuttle)

LPTR

Livermore Pool Type Reactor

LQG

Linear Quadratic Gaussian

LQG/LTR

Linear Quadratic Gaussian/Loop Transfer Recovery

LQR

Linear Quadratic Regulator

LRB

Liquid Rocket Booster

LR-FAX

Low Resolution Facsimile

LRD

LRRL
Lunar Receiving Laboratory, NASA Lyndon B. Johnson Space Center

- 1. Land Resources Management
- 2. Lunar Reconnaissance Module
- 3. Lunar Resource Mapper

LRR

Launch Readiness Review

LRU

LRV

- 1. Large Space Antenna
- 2. Limited Space-charge Accumulation

LSBR

LSCRE
Lunar Surface Cosmic Ray Experiment

LSD

Liquid Scintillation Detector

LSD WAVES

Laser Supported Detonation Waves

LSG Lunar Surface Gravimeter (Apollo/NASA)

LSI

1. Large Scale Integration
2. Lunar Science Institute

LSL

Life-Sciences Laboratory

LSM

Line-Spring Model

LSPE

Lunar Seismic Profiling Experiment

LSPET

Lunar Sample Preliminary Examination Team

LSRF

Astrophysics Magnetic Spectrometer Facility

LSS

1. Lunar Soil Stimulant
2. Life Support Subsystem

LST

1. Large Space Telescope
2. Large Scale Turbulence

LTA

1. Lighter-Than-Air aircraft
2. LEM Test Article

LTE

Local Thermodynamic Equilibrium

LTSA

Linearly Tapered Slot Antennas

LTT

Lunar Transit Telescope

LUNATRON

Electromagnetic Spacecraft Rail Launcher

LU-ADI

Lower/Upper block diagonal - Alternating Direction Implicit

LUF

Lowest Useable Frequency

LURU

Lunar Replacement Unit

LUT

1. Launcher Umbilical Tower
2. Local User (Terminal)

LVLH

Local Vertical, Local Horizontal

LWACC

Light Weight Aft Cargo Carrier

LWIR

Long Wavelength Infrared

LWR

Long Wavelength Redundant Camera (on IUE)

M

MA

Military Academy, West Point, N. Y.

MA-1

Mercury Flight

MAB

Material Advisory Board, National Research Council, Washington, D.C.

MACE

Middeck Active Control Experiment

MACHO

Massive Compact Halo Object

MACS

Modular Digital Altitude Control System

MACSAT

Multi-Access Communication Satellite

MADS

Modular Auxiliary Data System (Space Shuttle)

MAF

Michoud Assembly Facility (NASA)

MAGIC

Machine for Automatic Graphics Interface to a Computer

MAGSAT

Magnetic Field Satellite (AEM-C)

MAIDS

Multipurpose Automatic Inspection & Diagnostic System (Army)

MAKS

Medical Aid Kit/Station

MALS

Medium Intensity Approach Light System

MAM

Mars Aeronomy Mission

MAMA

1. Multi-Anode Microchannel Array

MAP

1. Michigan Airglow Payload
2. Missed Approach Point

MAP/WINE

Middle Atmosphere Program/Winter in Northern Europe

MAPS

Measurement of Air Pollution from Satellite (Shuttle payload)

MAR

Middeck Accommodations Rack

MARA

Multimode Airborne Radar Altimeter

MARS

1. Manned Aerodynamic Reusable Spaceship
2. Mobile Atlantic Range Station

MARSEN

Maritime Remote Sensing (1981)

MART

Math modeling And Reliability Transducers
(for sonar arrays)

MAS

1. Mechanical Actuation System (Space Shuttle)
2. Millimeter-wave Atmosphere Sounder

MASC

Mission and Safety Critical

MASER

Microwave Amplification by Stimulated Emission of Radiation

MAST

1. Magnetic Annular Shock Tube
2. Missile Automatic Supply Technique

MATCON

Microwave Aerospace Terminal Control

MATE

Materials for Advanced Turbine Engines

MATTS

Multiple Airborne Target Trajectory System

MAW

Mission Adaptive Wing

MAWP

Missed-Approach Waypoint

Max-91

(Coordinated Solar Research Program)

MAZAL

(Modification of Polytaz)

MBB

Messerschmitt-Boelkow-Blohm

MBE

Molecular Beam Epitaxy

MBO

Management by Objectives

MBS

1. Megabits per Second
2. Microbial Bioreactor Systems

MCA

1. Main Combustion Assembly
2. Minimum Crossing Altitude
3. Motor Control Assembly (Space Shuttle)

MCC

1. Midcourse Correction
2. Mission Control Center

MCEB

Marine Corps Equipment Board, Quantico, Va.

MCLFDC

Marine Corps Landing Force Development Center, Quantico, Va.

MCP/PMT

Microchannel Plate/Photomultiplier Tube

MCPF

Modified Coupled Pair Functional
(quantum chemistry)

MCR

Military Compact Reactor

MCSA

Multichannel Spectrum Analyzer (MCSA)

MCSCF

Multiconfiguration Self Consistent Field (AF)

MCSST

MultiChannel Sea Surface Temperature

MCTV

Man-Carrying Test Vehicle

MD

Middeck

MDA

Minimum Descent Altitude

MDF

Mammalian Development Facility

MDIS

Modeling, Data, and Information System

MDM

Multiplexer/Demultiplexer

MEA

1. Metal Edge Amplifier
2. Minimum En Route (IFR) Altitude
3. Monoethanolamine

MEB

Main Electronic Box

MEC

Main Engine Controller (Space Shuttle)

MECO

Main Engine Cutoff

MED

Mobile Energy Depot

MEED

Microbial Ecology Evaluation Device

MEG

Magnetoencephalogram

MEL-A

Marine Engineering Lab., Annapolis, Md.

MEL-S

Military Electronics Lab. (Sweden)

MELTER

Mesosphere Lower Thermosphere Explorer

MEM

1. Mars Excursion Module
2. Maximum Entropy Method

MEMBRANE

Permeable Membrane for Plant Nutrient Delivery System

MEO

Medium Earth Orbit

MERLIN

Multi-Element Radio Link Interferometer Network

MESA

1. Minature Electrostatic Accelerometer
2. Modularized Equipment Stowage Assembly (APOLLO/NASA)

MESFET

Metal-Semiconductor Field Effect Transistor

MESS

Mesoscale and Severe Storms Computer System

MESUR

Mars Environmental Survey

MET

Mission Elapsed Time (Space Shuttle)

METEOSAT

(Meteorological satellite For Europe-European counterpart to GOES)

METS

Modular Equipment Transporter System

METSAT

Meteorological Satellite

MFE

Magnetic Field Explorer

MFR

Manipulator Foot Restraint

MFT

Magnetic Field Explorer

MFTF

Mirror Fusion Test Facility

MGCO

Mars Geoscience/Climatology Orbiter

MGM
Mechanics of Granular Materials

MGS
Missile Guidance Set.

MGSS
Manned Geosynchronous Spacecraft Servicer

MHD
Magnetohydrodynamic(s)

MHOS
Reciprocal OHMS

MHS
Microwave Humidity Sounder

MHW
Multihundred Watt (usually referring to generators)

MHz
Megahertz (Mc/S)

MIC
Microwave Integrated Circuits

MIG welding
Molybdenum Inert Gas Welding

MIL-STD
Military Standard

MIMD
Multiple Instruction/Multiple Data

MIMO
Multiple-Input Multiple-Output

MIMOSA
Mission Modes and Systems Analysis

MIMR
Multifrequency Imaging Microwave Radiometer

MINIVAR
Minimum Variance Orbit Determination

MINS
Mare Island Naval Shipyard, Vallejo, Calif.

MINUS
Modular Integrated Utility System

MIPL
Multi-Mission Image Processing Laboratory

MIPS
Millions of Instructions per Second

MIRA
Multifunction Inertial Reference Assembly

MIRL
Medium Intensity Runway Lights

MIROS
Modulation Inducing Retrodirective Optical System

MIRS
Mid-Infrared Spectrometer

MIS
Metal Insulator Semiconductor

MIS-I
Drug Microencapsulation in Microgravity

MISR
Multi-Angle Imaging Spectro-Radiometer

MIST
MIUS Integration and Subsystems Test

MINUS
Modular Integrated Utility Systems

MITO
Minimum Interval Takeoff

MJSC

Multijunction, Multiband-gap Solar Cells

MLA

Multispectral Linear Array

MLE

Maximum Likelihood Estimation
Mesoscale Lightning Experiment

MLEP

Manned Lunar Exploration Program

MLG

Main Landing Gear (Space Shuttle)

MLI

Multilayer Insulation

MLR

Monodisperse Latex Reactor

MLS

1. Microwave Landing System
2. Microwave Limb Sounder
3. Multifrequency Laser Sounding

MM

Major Mode (Space Shuttle)

MM2

Mariner Mark 2

MM4

Mesoscale Model 4

MMA

Methyl Methacrylate

MMAA

Man/Machine Assembly Analysis
(Methods for orbital assembly of large space structures)

MMC

MicroMeteoroid Capsule (payload -- Saturn Launch Vehicle)

MMI

Man Machine Interface

MMIC

Monolithic Microwave Integrated Circuits

MMLS

Material and Maintenance Logistics System

MMR

Modular Multiband Radiometer (LANDSAT)
Multimission Receiver (DSN)

MMR

Multimode Radiometer

MMS

Multimission Modular Spacecraft

MMU

1. Manned Maneuvering Unit
2. Mass Memory Unit (Space Shuttle)

MNET

Mission and data directorate, NETwork

MNOS

Metal Nitride Oxide Semiconductor

MO

1. Mars Observer (Mission)
2. Molecular Orbital

MO&DA

Mission Operations and Data Analysis

MOA

Military Operations Area

MOA/TIL

Ministry of Aviation (Gt. Brit.)

MOBLAS

Mobile Laser

MOCS

Multichannel Ocean Color Sensor

MODAP

Modified Apollo Logistics Spacecraft

MODE

Mid-Deck 0-Gravity Dynamics Experiment

MODIS-N

Moderate-Resolution Imaging Spectrometer-Nadir

MODIS-T

Moderate-Resolution Imaging Spectrometer
(Earth Observing System, EOS)

MOD/UM

Modulated/Unmodulated

MOE

Measure of Effectiveness

MOF

1. Magneto-Optical Filter
2. Maximum Observed Frequency

MOL

Manned Orbital Laboratory

MOLAB

Mobile Laboratory (Lunar)

MOM

Mars Observer Mission

MOMV

Mini Orbital Maneuvering Vehicle

MONOS

Metal Oxide Nitride Oxide Semiconductor

MONSEF
MONitoring the Sun-Earth Environment

MOP
1. Microwave Observing Project
2. Multiple Output Program

MOPITT
Measurements of Pollution in the Troposphere

MOPS
Man Operated Propulsion System

MOR
1. Mid-Ocean Range
2. Mission Operations Room
3. Modulus Of Rupture

MORL
Manned Orbital Research Laboratory

MOS
1. Marine Observation Satellite
2. Metal Oxide Semiconductors

MOSFET
Metal Oxide Semiconductor Field Effect Transistor

MOSS
Manned Orbital Space Station

MOTS
Minitrack Optical Tracking System

MOTV
Manned Orbital Transfer Unit

MOU
Memorandum of Understanding

MOWG
Management Operations Working Group

MPAC

Multipurpose Application Console

MPC

1. Maximum Permissible Concentration
2. Monitor Proportional Counter (HEAO-2)

MPD

Magnetoplasmadynamics

MPEC

Multi-Purpose Experiment Canister

MPESS

Mission Peculiar Equipment Support Structure

MPL

Minimum Power Level (Space Shuttle)

MPM

Manipulator Positioning Mechanism (Space Shuttle)

MPP

Massively Parallel Processor

MPPF

Modal Positive Position Feedback

MPRE

Minimum Pure Radium Equivalent

MPS

Main Propulsion System (Space Shuttle)

MPSE

Mexican Payload Specialist Experiment

MR-2

Mercury Flight

MRA

1. Mean Reference Axis
2. Minimum Reception Altitude

MRB

Material Review Board

MRC

Meteorological Research Committee, Air Ministry, (Gt. Brit.)

MRCI

Multireference Configuration Interaction
(Quantum Chemistry)

MRDC

Military Requirement and Development Committee
(now DARCOM; previously AMC)

MRI

Magnetic Resonance Images

MRIR

Medium Resolution Infrared Radiometer

MRMS

Mobile Remote Manipulator System

MRN

Meteorological Rocket Network

MRSDCI

Multireference Singles and Doubles Configuration Interaction
(Quantum Chemistry)

MRSR

1. Mars Rover Sample Return (Mission)
2. Multi-Role Survivable Radar

MR WISARD

Multi-Record Wave Investigator for Sine and Random Data

MS

1. Man System
2. Mission Specialist (Space Shuttle)

MSA

Microgravity Science and Applications (program)

MSACP

Microgravity Science and Applications Cooperative Program

MSAD

Microgravity Science and Applications Division

MSAS

Microwave Signature Acquisition System

MSAT-X

Mobile Satellite Experiment

MSAW

Minimum Safe Altitude Warning

MSB

Most Significant Bit

MSBLS

Microwave Scanning Beam Landing System (Space Shuttle)

MSC

1. Mobile Servicing Centre (Canadian)
2. Manned Spacecraft Center

MSF

Manned Space Flight Program

MSFC

Marshall Space Flight Center, Huntsville, Ala.

MSFN

Manned Space Flight Network

MSH

Magnetoelastic Static Hysteresis

MSI

Medium Scale Integration

MSIS

Man/Systems Integration Standard

MSL

1. Materials Science Laboratory
2. Mean Sea Level

MSRE

Molten-Salt Reactor

MSS

1. Materials Science in Space
2. Mechanical and Structural Subsystems
3. Mobile-Satellite Service
4. Mobile Servicing System
5. Modular Space Station
6. Multispectral Scanner

MST

Mesosphere Stratosphere Troposphere

MSTI

Miniature Seeker Technology Integration

MSU

Microwave Sounding Unit

MTBF

Mean Time Between Failure

MTBR

Mean Time Between Repairs

MTC

Man-Tended Capability

MTF

1. Matrix Test Facility (for HTAH for magnetohydrodynamics power plants)
2. Mississippi Test Facility
3. Modulator Transfer Function

MTFF

Man Tended Free Flyer

MTI

Moving Target Indicator Radar

MTIS	Mission Test Imaging System
MTOS	Metal Thick Oxide Semiconductor
MTP	Microwave Temperature Profiler
MTR	<ol style="list-style-type: none">1. Materials Testing Reactor2. Mean Time to Restore (USAF)3. Military Training Route
MTT	Multiple Target Tracker
MTTR	Mean Time to Repair
MTTS	Mean Time to Service
MTU	Master Timing Unit (Space Shuttle)
MUBIS	Multiple Beam Interval Scanner
MUF	Maximum Usable Frequency
MUMP	Marshall University of Michigan Probes
MUSAP A	Multisatellite Augmentation Program-A
MUSE	Monitor Ultraviolet Solar Energy
MUX	Multiplexer

MVA

Minimum Vectoring Altitude

MVGVT

Mated Vertical Ground Vibration Tests (of space shuttle)

MVM-73

Mariner/Venus/Mercury Fly-by-Mission

MVS

Multiple Virtual System

MWS

Microwave Wind Scatterometer

MY

1. Million Years
2. Millions of Years

n
Neutron

N
Newton

N/A
Not Applicable

NAA
Neutron Activation Analysis

NACA
National Advisory Committee for Aeronautics

NADC-AC
Aeronautical Computer Lab., Naval Air Development Center, Johnsville, Pa.

NADC-AR
Aviation Armament Lab., Naval Air Development Center, Johnsville, Pa.

NADC-AI
Aeronautical Instruments Lab., Naval Air Development Center, Johnsville, Pa.

NADC-AW
Anti-Submarine Warfare Lab., Naval Air Development Center, Johnsville, Pa.

NAD-CI
Naval Ammunition Depot, Crane, Ind.

NADC-ED
Engineering Development Lab., Naval Air Development Center, Johnsville, Pa.

NADC-EL
Aeronautical Electronic and Electrical Lab., Naval Air Development Center, Johnsville, Pa.

NADC-MA
Aviation Medical Acceleration Lab., Naval Air Development Center, Johnsville, Pa.

NAE
National Academy of Engineering

NAEC

1. National Aeronautical Establishment (Canada)
2. Naval Air Engineering Center, Philadelphia, Pa.

NAEC-ACEL

Aerospace Crew Equipment Lab., Naval Air Engineering Center, Philadelphia, Pa.

NAEC-AEL

Aeronautical Engine Lab., Naval Air Engineering Center, Philadelphia, Pa.

NAEC-AML

Aeronautical Materials Lab., Naval Air Engineering Center, Philadelphia, Pa.

NAEC-ASL

Aeronautical Structures Lab., Naval Air Engineering Center, Philadelphia, Pa.

NAEL-ENG

Air Engineering Lab., Naval Air Engineering Center, Philadelphia, Pa.

NAF

Naval Avionics Facility, Indianapolis, Ind.

NAH

Nearfield Acoustic Holography

NAIC

National Aeronomy and Ionosphere Center

NAIF

Navigation Ancillary Information Facility

NAMRU-2

Naval Medical Research Unit No. 2, Taipei, Taiwan

NAPALM

National ADP Program for Army Material Command Logistics Management

NAR

1. National Aerospace Standards
2. North American Route
3. Numerical Analysis Research

NARTS

Naval Air Rocket Test Station, Lake Denmark, Dover, N.J.

NAS

1. National Academy of Sciences
2. National Airspace System

NASA

National Aeronautics and Space Administration, Washington, D.C.

NASARR

North American Search and Ranging Radar

NASCAP

NASA Charging Analyzer Program

NASCOM

1. Communications Network (NASA)
World Wide
2. Naval Air Systems Command

NASDA

National Space Development Agency (Japan)

NASIS

NASA Aerospace Safety Information System

NASL

Naval Applied Science Lab., Brooklyn, N. Y.

NASP

National Aerospace Plane

NAS Stage A

National Airspace System--"Stage A" automation

NASTRAN

NASA Structural Analysis

NATC

Naval Air Test Center, Patuxent River, Md.

NATO

North Atlantic Treaty Organization

NATTS-ATL

Aeronautical Turbine Lab., Naval Air Turbine Test Station, Trenton, N.J.

NAV

Navigation

NAVDAC

Navigation Data Ps Similation

NAVDOCKS

Bureau of Yards and Docks, Washington, D.C. (Obsolete?)

NAVMED

NAVY Bureau of Medicine and Surgery, Washington, D.C.

NAVPERs

Bureau of Naval Personnel, Washington, D.C.

NAVSEA

Naval Avionics Support Equipment Appraisal

NAVSPASUR

Naval Space Surveillance System, Dahlgren, Va.

NAVWEP

Bureau of Naval Weapons, Navy Dept., Washington, D.C.

NB

Neutral Buoyancy

NBR

Acrylonitrile Butadiene Rubber

NBS

1. National Bureau of Standards, Washington, D.C.

(Now, National Institute for Standards and Technology - NIST)

2. Neutral Buoyancy Simulation

NBTL

Naval Boiler and Turbine Lab., Philadelphia, Pa.

NC

1. Convective Heat Transfer Coefficient
2. Nitrocellulose
3. Noise Criteria (curve)

NCAR

National Center for Atmospheric Research

NCDS

NASA Climate Data System

NCEL

Naval Civil Engineering Lab., Port Hueneme, California

NCP

Network Control Program

NCRE

Naval Construction Research Establishment, (Gt. Brit.)

NCTSI

National Council of Technical Service Industries

NCX

Nucleon Charge Exchange

NDB

Non-Directional Beacon (Radio)

NDBO

NOAA Data Buoy Office (National Oceanic and Atmospheric Admin.)

NDC

National Defense Council (Netherlands)

NDE

1. Nondestructive Evaluation
2. Nondestructive Examination

NDI

Nondestructive Inspection

NDOSC

Network for the Detection of Stratospheric Change

NDPF	NASA Data Processing Facility
NDRE	Norwegian Defense Research Establishment
NDSS	NASA Document Storage System
NDT	<ol style="list-style-type: none">1. Nil Ductility Transition2. Nondestructive Test3. Normal Dealy Time
NDVI	Normalized Difference Vegetation Index
NEAR	Near Earth Asteroid Rendezvous
NEB	North Equatorial Belt
NECAP	NASA Energy Cost Analysis (Computer) Program
NEDU-NWP	Navy Experimental Diving Unit, Naval Weapons Plant, Washington, D.C.
NEEP	Nuclear Electronic Effects Program
NEMS	Nimbus-E Microwave Spectrometer
NERVA	Nuclear Engine for Rocket Vehicle Applications
NEPRF	Naval Environmental Prediction Research Facility
NESDIS	National Environmental Satellite, Data, and Information Service

NESS

National Environmental Satellite Service

NEW MOONS

NASA Evaluation with Models Of Optimized Nuclear Spacecraft

NEWMAST

NASA Educational Workshops for Mathematics and Science Teachers

NEXRAD

NEXt generation weather RADar

NEXT

Near End Crosstalk

NG

Nitroglycerine

NGSP

National Geodetic Satellite Program

NGT

NASA Ground Terminal

NIFC

Northern Iceland Finance Corporation

NIMPHE

Hydrazine Engine

NIMS

1. Near Infrared Mapping Spectrometer
2. Nuclear Instrumentation Modular System

NIR

Non-Ionizing Radiation

NIST

National Institute for Standards and Technology
(Previously, National Bureau of Standards - NBS)

NLF

Natural Laminar Flow

NLG
Nose Landing Gear (Space Shuttle)

nm
Nanometer

NMC
National Meteorological Center

NMC
Naval Missile Center, Point Mugu, Calif.

NMDL
Navy Mine Defense Lab., Panama City, Fla.

NMFRL
Naval Medical Field Research Lab., Camp Lejeune, N.C.

NMFS
National Marine Fisheries Service

NMH
Nuclear Microprobe for Hydrogen

NMI
NASA Management Instructions

NMOS
Used Interchangeably for MNOS
(metal-nitride-oxide-semiconductors)

NMNRU
Navy Medical Neuropsychiatric Research Unit, San Diego, Calif.

NMRI
Naval Medical Research Inst., Bethesda, Md.

NMRL
Naval Medical Research Lab., New London, Conn.

NNS
Norfolk Naval Shipyard, Portsmouth, Va.

NOAA

National Oceanic and Atmospheric Administration

NOAA 2

ITOS-D

NOAA 3

ITOS-F

NOAO

National Optical Astronomy Observatories

NODS

NASA Ocean Data System

NOE

Nap-of-the-Earth

NOL

Naval Ordnance Lab., White Oak, Md.

NOLC

Naval Ordnance Lab., Corona, Calif.

NOMSS

National Operational Meteorological Satellite System

NOO

Naval Oceanographic Office, Washington, D.C. (Inactive)

NORAD

North American Air Defense

NORPAX

North Pacific Experiment

NOS

1. National Ocean Service
2. National Ocean Survey
(Previously-Coast & Geodetic Survey, now NOAA)
3. Network Operation System

NOSL

Night/Day Optical Survey of Thunderstorm Lightning

NOSS

1. National Oceanic Satellite System
2. Navy Ocean Sensing System

NOTAM

Notice to Airmen

NOTS

Naval Ordnance Test Station, China Lake, Calif.

NOVA

(Advanced Navy Navigation Satellite)

NM

Nitronium Perchlorate

NPIC

Naval Photographic Interpretation Center, Washington, D.C.

NPL

National Physical Lab. (Gt. Brit.).

NPO

Pasadena Office, NASA

NPP

1. Naval Propellant Plant, Indian Head, Md.
2. Net Primary Production

NPSN

NAS (Numerical Aerodynamic Simulation) Processing System Network

NPSS

NASA Packet Switching System

NR

North American Rockwell

NRC

National Research Council, Washington, D.C.

NRC-MAC

Mine Advisory Committee, National Research Council, Washington, D.C.

NRCC-ME

National Research Council of Canada Div. of Mechanical Engineering

NRCC/REE

Radio and Electrical Engineering Div., National Research Council of Canada

NRDL

Naval Radiological Defense Lab., San Francisco, Calif.

NRE

Naval Research Establishment (Canada)

NREN

National Research and Education Network

NRKM

Non-Radar Keyboard Multiplexer

NRL

Naval Research Lab., Washington, D. C.

NRL-C

National Research Labs. (Ottawa, Canada)

NRM

Natural Remanence Magnetization

NROSS

Navy Remote Ocean Sensing System

NRTS

Nuclear Reactor Test Site

NSAM

Naval School of Aviation Medicine, Pensacola, Fla.

NSB

Naval Submarine Base, New London, Conn.

NSCAT

NASA Scatterometer

NSDSSO

NASA Science Data Systems Standards Office

NSESCC
NASA Space and Earth Sciences Computing Center

NSF
National Science Foundation, Washington, D.C.

NSI
NASA Standard Initiator

NSIA
National Security Industrial Association

NSIDC
National Snow and Ice Data Center

NSMO
Nastran Systems Management Office

NSN
NASA Space Network

NSOM
Near-field Scanning Optical Microscopy

NSP
Network Signal Processor (Space Shuttle)

NASTRAN
NASA Structural Analysis

NSRDS
National Standard Reference Data System

NSSDC
National Space Science Data Center

NST
Navigation Technology Satellite

NSTA
National Science Teachers Association

NSTS
National Space Transportation System

NTDC

Naval Training Device Center, Port Washington, N.Y.

NTE

NASA Technology Experiments

NTO

Nitrogen Tetroxide

NTSB

National Transportation Safety Board

NTU

Nephelometric Turbidity Units

NTZ

No Transgression Zone

NUOS

Naval Underwater Ordnance Station, Newport, R. I.

NURE

National Uranium Research Evaluation (program)

NUSCAT

New Airborne Scatterometer

NWEF

Naval Weapons Evaluation Facility, Albuquerque, N. Mex.

NWL

Naval Weapons Lab., Dahlgren, Va.

NWPW

Naval Weapons Plant, Washington, D.C.

NWRF

Naval Weather Research Facility, Norfolk, Va.

NWS

1. National Weather Service
2. Nose-Wheel Steering (Space Shuttle)

NYNS-ML

New York Naval Shipyard Material Lab, Brooklyn

O

OA

1. NASA Office of the Administrator
2. Office of Applications

OACSI-DA

Office of the Assistant Chief of Staff for Intelligence, Dept. of the Army, Washington, D.C.

OAO

Orbiting Astronomical Observatory

OAO 3

Copernicus Observatory

OAOAF

Operations Analysis Office, Air Force, Washington, D.C.

OAOAFLC

Operations Analysis Office, Air Force Logistics Command, Wright-Patterson Air Force Base, Ohio.

OARE

Orbital Acceleration Research Experiment

OART

Office of Advanced Research and Technology

OASIS

OEX Autonomous Supporting Instrumentation System

OASPL

Overall Sound Pressure Level

OAST

NASA Office of Aeronautics and Space Technology

OAST-FLYER

Office of Aeronautics and Space Technology-Flyer

OAST-x

Office of Aeronautics and Space Technology-1

OB	Octave Band
OBR	Outer Boot Ring
OBS	Operational Bioinstrumentation System (Space Shuttle)
OCA	Oceanic Control Areas
OCC	Operations Control Center
OCI	Ocean Color Imager
OCP	NASA Office of Commercial Programs
OCPP	Orbiter Cloud Photopolarimeter (Pioneer)
OCR	Optical Character Recognition
OCTW	Optical Communication Thru the Shuttle Window Flight Demonstration
ODC	Other Data Center
ODE	Ordinary Differential Equation
ODSRS	Orbiting Deep Space Relay Station
OE	NASA Office of Exploration
OECO	Outboard Engine Cutoff

OEF

Operations Evaluation Group, Office of Naval Operations

OEX

Orbiter Experiments

OFHC

Oxygen-Free, High-Conductivity (Copper)

OFT

1. Orbital Flight Test
2. Orbiter Flight Test

OFTT

Operational Flight and Tactics Trainer

OGO

Orbiting Geophysical Observatory

OH

(Hydroxyl radical)

OI

Operational Instrumentation (Space Shuttle)

OIATU

Office of Industry Affairs and Technology Utilization

OIM

Oxygen Interaction with Materials

OLS

Optical Line Scanner

OMB

Office of Management and Budget

OMS

Orbital Maneuvering System

OMSF

Office of Manned Space Flight

OMV
Orbital Maneuvering Vehicle

ONI
Office of Naval Intelligence, Washington, D.C.

ONR
Office of Naval Research, Washington, D.C.

ONRL
Office of Naval Research, London

OOE
Out-of-Elliptic

OOS
Orbit-to-Orbit Stage

OPA
NASA Office of Public Affairs

OPE
One Pion Exchange

OPEN
Origins of Plasmas in the Earth's Neighborhood

OPEP
Orbit Plane Experiment Package
(for use on OGO)

OPIS
Operational Satellite Improvement Program

OPLS
Omega Position Location Equipment

OPM
1. Optical Properites Monitor
2. Office of Personnel Management (Previously - Civil Service
Commission)

OPUS
Organization of Persistent Upwelling

OR

1. Observed Ratio
2. Ordinary Proton (Event)

ORA

Office of Research Analyses, Holloman Air Force Base, N. Mex.

ORBIs

Orbiting Radio Bearer Ionospheric Satellite

ORDL-EC

Ohio River Div. Labs., Engineer Corps, Cincinnati

ORFEUS

Orbiting and Retrievable Far and Extreme Ultraviolet Spectrometer

ORGEL

Organic Cooled, Heavy Water Moderated Reactor (Euratom)

ORIC

Oak Ridge Isochronous Cyclotron

ORION

Operational Radio Interferometry Observing Network

ORNL

Oak Ridge National Laboratory

ORS

Orbiter Refueling System

ORU

Orbital Replacement Unit

OSC

NASA Office of Space Communications

OSCAR

Orbiting Satellite Carrying Amateur Radio

OSE

Operational Support Equipment

OSF NASA Office of Space Flight

OSI Open System Interconnection

OSL

Orbiting Solar Laboratory

OSO
Orbiting Solar Observatory

OSS

- 1. Office of Space Science (NASA)
- 2. Office of Space Station (NASA)

OSS-1

Office of Space Science 1

OSSA Office of Space Science and Applications

OSSD NASA Office of Space Systems Development

OSTA NASA Office of Space and Terrestrial Applications (Currently OAST)

OSWD
Office of Special Weapons Developments, Fort Bliss, Tex.

OTDA

Office of Tracking and Data Acquisition

OTEF

OTF

OPT Office of Telecommunications Policy

OTB
Orbiter Timing Buffer (Space Shuttle)

OTS
Orbit Transfer System

OTU
Office of Technology Utilization

OTV
Orbit Transfer Vehicle
(propulsive rocket or stage to supplant IUS and SSUS)

OVC
Optimized Valence Configuration (quantum chemistry)

OVNI
(French Acronym for UFO's)

OWL
One Way Landers

OWS
Orbiting Workshop

P

p
Proton

P
Pultrusion

P-CENT
Gravitropic Responses of Plant Seedlings

PA
Picatinny Arsenal, Dover, N.J.

P.A.C.M.
Pulse Amplitude Code Modulation

PACE
1. Physics and Chemistry Experiment in Space
2. Power Assisted Glove End Effector

PAD
1. Polar Auroral Dynamics
2. Propellant Actuated Devices
3. Pulsed Activation Doppler

PAET
Planetary Atmosphere Experiments Test

PAGEOS
Passive Geodetic Earth Orbiting Satellite

PAH
Polycyclic Aromatic Hydrocarbon

PAL
Pallet (Spacelab Pallet Structure)

PALAPA
(Synchronous satellite communication system for Indonesia)

PAM

1. Payload Assist Module
2. Payload Accommodation Manager
3. Peripheral Adapter Module
4. Pulse Amplitude Modulation

PAMIS

Processing And Manufacturing In Space

PAN chemicals

(Peroxy-Acetyl-Nitratol)

PANT

Proboscoid Ablative Nose Tips (Program)

PAR

Precision-Approach Radar

PARE

Physiological & Anatomical Rodent Experiment

PARESEV

Paraglider Research Vehicle 91, IA, II, etc.

PASS

1. Pressurized Air Starter System
2. Primary Avionics Software System (Space Shuttle)

PBAA

Polybutadiene Acrylic Acid (Copolymer)

PBAN

1. Polybutadiene Acrylonitrile (Copolymer)
2. PBI Polybenzimidazole

PBE

Pool Boiling Experiment

PBL

Planetary Boundary Layer

PBRE

Pebble Bed Reactor Experiment

PBW

Proportional Bandwidth

PBX

Polybutadiene Tetranitramine

P/C CLLS

Physical/Chemical Closed Loop Life Support

PCA

1. Polar Cap Absorption
2. Positive Control Area
3. Power Control Assembly (Space Shuttle)

PCAC

1. Partial Conserved Axial Currents
2. Partially Conserved Axial-Vector Current

PCD-BR

Platformas de Coleta de Dados -- (Brazil Data Collection Platform)

PCG-II

Protein Crystal Growth-II

PCG-III

Protein Crystal Growth-III

PCGPROTO

Protein Crystal Growth Prototype

PCGU

Protein Crystal Growth Unit

PCM

1. Phase Change Material
2. Pulse Code Modulation

PCS

1. Pointing Control System
2. Pressure Control System (Space Shuttle)

PCTR

Physical Constants Testing Reactor

PCU

Power Control Unit

PCUA

Pressure Control Unit, ATLAS

PDLG

Pitman-Dunn Labs. Group, Frankford Arsenal, Philadelphia, Pa.

PDM

Pulse Duration Modulation

PDME

Precision Distance Measuring Equipment

PDMP

Project Data Management Plan

PDOP

Position Dilution of Precision

PDP Computer

(Tradename for a Packard-Bill digital computer system)

PDR

1. Preferential Departure Route
2. Preliminary Design Review

PDRS/PFTA

Payload Deployment and Retrieval System/Payload Flight Test Article

PDS

Planetary Data System

PDT

Pacific Daylight Time

PDU

Power Drive Unit (Space Shuttle)

PEGASUS

1. Pegasus Air-Breathing Launch Vehicle
2. Power Generating System for Use in Space

PEM

Proton Exchange Membrane

PEO

Polar Earth Orbit

PEP

Power Extension Package

PERT

*Program Evaluation and Review Technique

PESS

Programmable Escape System Sequencer

PET

Proton Electron Telescope

PETN

Pentaerythritol Tetranitrate

PETS

Proximity Effect Tunneling Spectroscopy

PFES

Portable Field Emission Spectrometer

PFG

Perfluoroguanidine

PFM

Pulse Frequency Modulation

PFMS

Planar Flow Melt Spinning

PFR

Portable Foot Restraint (Space Shuttle)

PGS

1. Primary Guidance Subsystem
2. Product Generation System

PGSOW

Precision Guided Stand Off Weapons

PHCF

Pituitary Growth Hormone Cell Function

PHS

Personal Hygiene Station (Space Shuttle)

PI

Principal Investigator

PIA

Particulate Impact Analyzer (Giotto)

PIC

Particle-In-Cell

PICAO

Provisional International Civil Aviation Organization

PICCA

Positive Ion Cluster Composition Analyzer

PIDAS

Portable Instant Display and Analysis Spectrometer

PIDP

Programmable Indicator Data Processor

PIG

1. Pendulons Intergrating Gyro
2. Phillips Ionization Gauge
3. Plasma Ion Generator

PIGA

Pendulons Integrating Gyro Accelerometer

PIMMR

Passive Imaging Multichannel Microwave Radiometer

PIMS

Plasma Interactions Monitoring System

PIO

Pilot Induced Oscillations

PIP

Pulsed Integrating Pendulum

PIXE

Proton Induced X-ray Emission

PIXIE

Polar Ionosphere X-ray Imaging Experiment

P/K

Printer/Keyboard

P/L

Payload

PL OPPTY

Payload Opportunity

PLAAR

Packaged Liquid Air Augmented Rockets

PLACE

Position, Location and Communications Experiment

PLAN

Planetary Trajectory

PLANET

1. Planing Evaluation Technique
2. Planned Logistics Analysis and Evaluation Techniques

PLAT

Pilot Landing Air Television (System)

PLB

Payload Bay (Space Shuttle)

PLC

1. Payload Commander (Member of the Shuttle crew having overall crew responsibility for planning, integration, and on-orbit coordination of payload mission activities.)
2. Pressurized Logistics Carrier

PLCU

Propellant Level Control Unit

PLDS

Pilot Land Data System

PLIE

Phase Linear Interferometer Experiment

PLL

Phase Lock Loop

PLS

Primary Landing Site (Space Shuttle)

PLSS

1. Primary Life Support System
2. Portable Life Support System

PLT

Pilot (Member of the Shuttle crew)

PLUM

Polymerization With Light Under Microgravity

PM

1. Polymer Morphology
2. Pressurized Module

PMAD

Power Management and Distribution

PMBT

Propellant Mean Bulk Temperature

PMC

Permanently Manned Capability

PMG

Plasma Motor Generator

PMGP

Planetary Materials and Geochemistry Program

PMIRR

Pressure Modulator Infrared Radiometer (Mars Observer)

PMS

1. Platform Management System
2. Pollution Monitoring Satellite
3. Propellant Management Subsystem

PMT

PhotoMultiplier Tubes

PMZF

Programmable Multi-Zone Furnace

PN

Pseudonoise (sequence)

PNL

1. Pacific Naval Lab. (Canada)
2. Panel

PNM

Pulse Number Modulation

PNS

Portsmouth Naval Shipyard, N. H.

PNS-ETL

Electrical Testing Lab., Portsmouth Naval Shipward, N. H.

POCC

1. Payload Operation Control Center
2. Project Operations Control Center

PODS

Pilot Ocean Data System

POED
Post Office Engineering Dept. (GT. Brit.)

POEM
Polar-Orbit Earth Observation Mission

P/OF
Pinhole Occulter Facility

POGO
Polar Orbiting Geophysical Observatory

POIC
Payload Operations Integration Center

POLO
Polar Orbiting Lunar Observatory

POLTAZ
Epoxy Resin (Oxidizer binder)

POLYDOP
Polystation Doppler (Tracking System)

POP
1. Perpendicular to Orbital Plane
2. Polar Orbiting Platform

POTV
Personnel Orbit Transfer Vehicle

P/P
Power Propulsion

PPCD
Programmable Platforms for Collection of Data

PPDD
Plan Position Data Display

PPE
Phase Partitioning Experiment

PPF	Positive Position Feedback
PPG	Picopicogram (10-240 grams)
PPI	Plan Position Indicator
PPL	Polar Plasma Laboratory (Satellite in the OPEN program)
PPM	Pulse Position Modulation
PPR	<ol style="list-style-type: none">1. Pathfinder Planetary Rover2. Photopolarimeter/Radiometer (Galileo Spacecraft)
PPS	Pulses Per Second
PPU	Power Processing Unit (solar electric propulsion)
PR	Precipitation Radar
PRC	Planer Random Composites (fiber reinforced composites)
PRCF	Plutonium Recycle Ceramic Fuel
PRCS	Primary Reaction Control System (Jet)
PRF	Pulse Recurrence Frequency

PRL

6570th Personnel Research Lab., Aerospace Medical Div., Air Force Base, Tex.

PRM

Pulse Ratio Modulation

PRN - Modulation

Pulse Ratio Noise Modulation

PROFAC

Propulsive Fluid Accumulator

PROM

Programmable Read-Only Memory

PROMIS

Polar Regions Outer Magnetosphere International Study

PRSDS

Power Reactant Storage and Distribution System

PRTTR

Plutonium Recycle Test Reactor

PS

Payload Specialist (Member of the Shuttle crew, who is not a NASA astronaut, whose presence is required to perform specialized functions with respect to one or more payloads or other mission unique activities)

PSA

1. Power Section Assembly
2. Provision Stowage Assembly

PSAS

Phenytoin for Space Adaptation Syndrome

PSB

Persistant Slip Band

PSC

1. Performance Seeking Control
2. Platform Support System
3. Polar Stratospheric Clouds

PSCN

Program Support Communications Network

PSE

Physiological Systems Experiment

PSIL

Preferred Speech Interference Level

PSK

Phase-Shift-Keyed (modulation)

PSL

Propulsion Systems Laboratory

PSNS-ML

Material Labs., Puget Sound Naval Shipyard, Bremerton, Wash.

PSP

Payload Signal Processor (Space Shuttle)

PSR

Precision Segmented Reflector

PST

Pacific Standard Time

PTEC

Plastics Technical Evaluation Center, Picatinny Arsenal, Dover, N.J.

PTF

Payload Training Facility

PTFE

PolyTetraFluoroEthylene

PTM

1. Proof Test Model
2. Pulse Time Modulation
3. Pulse Time Multiplex

PTS

Permanent Threshold Shift

PTZ

Pan/Tilt/Zoom

PU

Propellant Utilization

PUCK

Propellant Utilization Checkout Kit

PUR

Payload Under Review

PUVEP

Propellant Utilization Vehicle Electronic Package

PV

Photovoltaic

PVC

Polyvinylchloride or Polyvinyl chloride

PV&D

Purge, Vent & Drain

PVD

Plain View Display

PVOR

Precision Very-High-Frequency Omnidirectional Range (VOR)

PTVOS

Physical Vapor Transport of Organic Solids

PWFA

Plasma Wakefield Accelerator

PWI

Proximity Warning Instrument

Pilot Warning Indicator (See: CAS-Collision Avoidance System)

PWIA

Plane Wave Impulse Approximation

PWL

Power Watt Level (Acoustic units of measurement, sound power level)

PWM

Pulse Width Modulation

PWR

Pressurized Water Reactor

PY

Program Year

PZT

Lead Zirconate Titanate

Q

Q Quality Factor

QA Quality Assurance

QC Quality Control

QCD Quantum Chromodynamics

QCSEE Quiet, Clean Short-Haul Experimental Engine Program

QD Quick Disconnect

QDSB Quadrature Double Sideband

QED Quantum Electrodynamics

QFCIAF Quartermaster Food and Container Inst. for the Armed Forces, Chicago, Ill.

QFEA Quartermaster Field Evaluation Agency Fort Lee, Va.

QPLT Quiet Propulsion Lift Technology Program

QPSK Quadrature Phase Shift Keying

QREC Quartermaster Research and Engineering Command, Natick, Mass.

QS Body Heat Storage Index

QSO
Quasi-Stellar Object (Quasar)

QSRA
Quiet, Short-Haul Research Aircraft

QUESTOL
Quiet, Experimental, Short Takeoff and Landing (Aircraft/Program)

R

R
Degree Rankine

R&A
Research and Analysis

R&D
Research and Development

RA-5C Aircraft
(A 3J Aircraft, Vigilante Aircraft, or JRA-5C Aircraft)

RAC
Reactor Accident Calculation (computer program)

RAD
Radiation Absorbed Dose

RADA
Random Access Discrete Address System

RADAM Project
Radar of the Amazon (Aerial survey project in Brazil similar to LANDSAT)

Radar
Radio Detection and Ranging

Radarsat
Radar Satellite

RADC
Rome Air Development Center Griffiss Air Force Base, N.Y.

RADCAL
Radar Calibration Satellite

RADCAT
Radar Calibration Targets

RADL
Robotics Applications Development Laboratory

RADM

Regional Acid Decomposition Model

RADS

(Radiation Dose Absorbed by Tissue)

RADSCAT

Radiometer-Scatterometer

RAE

1. Radio Astronomy Explorer
2. Royal Aircraft Establishment (Gt. Brit.)

RAE B

Explorer 49

RAE 2

Explorer 49

RAIL

Runway Alignment Indicator Lights

RAM

1. Radar Absorbing Material
2. Random Access Memory
3. Research and Applications Module
(Space Shuttle and Space Station)

RAM Project

Radio Attenuation Measurement Project

RAMTAC

Reentry Analysis

RANN

Research Applied to National Needs

RAPCON

Radar Approach Control Facility (USAF)

RAPPI

Random Access Plan Position Indicators

RARDE

Royal Armament Research and Development Establishment (Gt. Brit.)

RASCAL

Random Access Secure Communication Anti-Jam Link

RASSAS

Radio Astronomical Space System of Aperture Synthesis

RATCF

Radar Air Traffic Control Facility (USN)

RATSCAT

Radar Target Scatter Site (Program)

RAVE

Research on Atmospheric Volcanic Emission

R/BPA

Rudder/Pedal Brake Assembly (Space Shuttle)

RBS

Rutherford Backscattering Spectrometry

RBV

Return Beam Vidicon Type of Camera used in ERTS-1 Satellite

RC

Resistance Capacitance

RCA

Radio Corp. of America

RCAF

Royal Canadian Air Force

RCAG

Remote Communications Air-Ground (facility)

RCC

Recovery Control Center

RCL

(Total Heat Transfer Resistance)

RCLF
Runway Centerline System

RCP
Right Circular Polarization

RCS
Reaction Control System

RCSP
Radar Calibration Spheres Project

RDA
Recommended Dietary Allowance

RDB
Relational Data Base

RDBMS
Relational Data Base Management System

RDC
Regional Dissemination Centers

RDF
1. Radar Direction Finder
2. Radio Direction Finder

RDP
Radar-Data Processing

RCR
Runway Condition Reading

RDX
1. Cyclotrimethylene Trinitramine
2. Trinitro-Triazocyclohexane

REAUMUR Scale
(Ice point to steam point divided into 80 parts)

REB
Relativistic Electron Beams

REE

Rare Earth Elements

REEF

Regression Estimation of Event Probabilities

REFRASIL

(Insulation material in Rocket Motor Cases)

REIL

Runway-End Identifier Lights

REM

1. Release Engagement Mechanism
2. Roentgen Equivalent Man

RENE

Rocket Engine Nozzle Ejector (Program)

REQ

Request

RES

Reticula Endothelial System

RETORC

Research Torpedo Configuration

REV

Revolution

REX

1. Radiation Experiment
2. Reflector Erosion Experiment

RF

Radio Frequency

RFC

Regenerative Fuel Cell

RFI

Radio Frequency Interference

RFP

Request for Proposal

RFTR

Rocket Fuel Test Reactor

RGA

Rate Gyro Assembly (Space Shuttle)

RGP

Rate Gyro Package

RH

Relative Humidity

RHET

Resonant Tunneling Hot Electron Transistor

RHS

Rehydration Station

RIACS

Research Institute for Advanced Computer Science

RIAL

Rock Island Arsenal Labs., Ill.

RIC

Rockwell International Corp.

RICHEL

Richmond-Cape Henry Environmental Laboratory

RID

Range Instruments Development

RIF

Reductions-In-Force

RIFT

Reactor In-Flight Test (Project)

RIMS

Retarding Ion Mass Spectrometer

RISC

Reduced Instruction Set Computer

RITE

Regenerative Intercooled Turbine Engine

RM

Redundancy Management

RM-CW

Random-Modulation Continuous Wave

RME

Radiation Monitoring Equipment

RME-3

Radiation Monitoring Experiment-3

RMFT

Reconnect Magnetic Flux Tubes

RMP

Rate Measuring Package

RMS

1. Root Mean Square
2. Remote Manipulator System

RMU

Remote Maneuvering Unit

RNA

Ribonucleic Acid

RNAV

Random Navigation area Navigation

RNPRC

Royal Naval Personnel Research Committee (Gt. Brit.)

ROC

1. Reduced Oxygen Concentration
2. Regional Operations Center

ROE
Reflector Orbital Experiment

ROM
1. Read-Only-Memory
2. Rough Order of Magnitude

ROMPS
Robotic Materials Processing System

ROSAT
Roentgen Satellite

ROSE
Remotely Operated Special Equipment

ROSS
Remote Orbital Servicing System

ROTV
Reusable Orbital Transfer Vehicle

RPC
Remote Power Controller

RPE
Rocket Propulsion Establishment (Gt. Brit.)

RPRV
Remotely Piloted Research Vehicle

RPV
Remote Piloted Vehicles

RRA
Resident Research Associateship

RRAS
Radiofrequency Resonance Absorption

RRE
Royal Radar Establishment (Gt. Brit.)

- RS
Robotic Servicer
- RSB
Rudder Speed Brake
- RSC
Range Safety Command
- RSI
Reusable Surface Insulation
- RSIC
Redstone Scientific Information Center, Redstone Arsenal, Ala.
- RSRA
Rotor Systems Research Aircraft
- RSRM
Redesigned Solid Rocket Motor
- RSS
1. Root-Sum-Square
2. Rotating Service Structure
- RSTN
Radio Solar Telescope Network
- RSVP
Restartable Solid Variable Pulse (Rocket engine)
- RTAC
Research and Technology Advisory Council
- RTCA
Radio Technical Commission for Aeronautics
- RTD
1. Research and Technology Div., Air Force Systems Command, Edwards, Calif.
2. Resistance Temperature Device
- RTEAM
Real Time Environmental and Agricultural Monitoring

RTG

Radioisotope Thermionic Generator

RTLS

Return to Launch Site

(Abort separation conditions for Space Shuttle Orbiter and External Tank)

RTOL

Reduced TakeOff and Landing

RTOP

Research and Technology Objectives and Plans

RTS

Remote Tracking Station (Space Shuttle)

RTV

Room Temperature Vulcanizing

RVR

Runway Visual Range

RVV

Runway Visibility Value

RWA

Reaction Wheel Assembly

S

S

Scout (Small class expendable launch vehicle)

S&A

Safety and Arming Device

SA

1. Single Access
2. Springfield Armory, Mass.

SAA

South Atlantic Anomaly

SAAP

Sample Acquisition, Analysis and Preservation (Pathfinder)

SAB

1. Satellite Assembly Building
2. Storage and Assembly Bldg.
(Also VAB - Vehicle Assembly Bldg.)

SABER

Swing-Arm Beam Erector

SAC

Strategic Air Command

SAC-B

Satellite de Aplicaciones Cientificas-B (Argentina)

SACC

Science and Applications Computing Center

SAC-O

Strategic Air Command, Offutt Air Force Base, Nebr.

SADE

Structural Assembly Demonstration Experiment
(for orbital assembly of large space structures)

SADTC

SHAPE Air Defense Technical Center, The Hague (Netherlands)

SAF

Spacecraft Assembly Facility
(VAB - Vehicle Ass. Bldg. (KSC/NASA))

SAFDE

Solar Array Flight Dynamic Experiment

SAFE

1. San Andreas Fault Experiment
2. Solar Array Flight Experiment

SAFI

Semi-Automatic Flight Inspection

SAGA

Software Application, Generation and Administration

SAGE

Stratospheric Aerosol and Gas Experiment

SAGT

Solarized Advanced Gas Turbine

SAIS

Science and Applications Information System

SALT

Special (Purpose Inexpensive Satellite) Altimeter

SAM

1. Shuttle Activation Monitor
2. Sound Absorbing Materials
(See RAM - Radar Absorbing Materials)

SAM-B

School of Aerospace Medicine, Brooks Air Force Base, Tex.

SAM II

Stratospheric Aerosol Measurement 2

SAMEX

Soviet American Microwave Experiment

SAMIS

Structural Analysis and Matrix Interpretive System

SAMPIE

Solar Array Module Plasma Interaction Experiment

SAMPEX

Solar, Anomalous, and Magnetospheric Particle Explorer

SAMS

1. Space Acceleration Measurement System
2. Stratospheric and Aerospheric Sounder

SAMSAT

Solar Activity Monitoring Satellites
(NOAA/UAF)

SAMSO

Space and Missiles Systems Organization

SAO

Smithsonian Astrophysical Observatory

SAP

Sintered Aluminum Product

SAR

1. Scientific Absorption Rate
2. Search and Rescue
3. Stable Auroral Red (arc)
4. Synthetic Aperture Radar

SAREX

Shuttle Amateur Radio Experiment

SARP

Signal Automatic Radar Processing

SARSEX

SAR internal wave Signature EXperiment

SAS

1. Space Adaptation Syndrome
2. Stability Augmentation System

SAS-A	Small Astronomy Satellite-A
SASP	Science and Applications Space Platforms
SASS	Seasat-A Satellite Scatterometer
SATAN	Sensor for Airborne Terrain Analysis
SAW	Surface Acoustic Wave
SAXS	Small-Angle X-ray Scattering
SMD	Sauter Mean Diameter (Particles)
SBA	Small Business Administration
SBADPCM	Sub-Band Adaptive Differential Pulse Mode Modulation
SBBN	Standard Big Bang Nucleosynthesis
SBF	<ol style="list-style-type: none">1. Single Barrier Failure2. Skin Blood Flow
SBIR	Small Business Innovative Research
SBS	Satellite Business Systems
SBUV/TOMS	Solar Backscatter Ultraviolet Spectrometer/Total Ozone Mapping Spectrometer

SCALE

Shuttle Coherent Atmospheric LIDAR Experiment

SCAR

Supersonic Cruise Aircraft Research

SCA/SMS

Shuttle Carrier Aircraft/Shuttle Mission Simulator

SCAS

Stability and Control Augmentation Systems

SCAT

Supersonic Commercial Air Transport

SCATHA

Spacecraft Charging at High Altitude (satellite)

SCATS

Simulation Checkout And Training System

(Realistic simulation facility for training Gemini and Apollo mission personnel)

SCB

Steering Control Box (Space Shuttle)

SCCEG

Scientific Coordinating Committee for Experimental Gravitation

SCEPS

Stored Chemical Energy Propulsion System

SCET

SpaceCraft Event Time

SCF

1. Self-Consistent Field
2. Science Computing Facility

SCG

Science Coordinating Group

SCLC

Space Charge Limitations of Currents

SCM

System Control Module (Space Shuttle)

SCO

Subcarrier Oscillator

(Biotelemetry instrumentation for space applications)

SCOLE

Spacecraft Control Laboratory Experiment

SCP

Siliga-Cloth Phenol

SCR

1. Selective Chopper Radiometer
2. Silicon Control Rectifier
3. Solar Cosmic Radiation

SCRAM

1. Space Capsule Regulator and Monitor (Raytheon)
2. Supersonic Combustion Ramjet

SCRAMJET

Supersonic Combustion Ramjet

SCRN

Spectra of Cosmic Ray Nuclei

SCS

Sweep Control Sequence

SCSS

Scene Correcting Subsystem
Supersonic Combustion Ramjet

SCU

Sequence Control Unit (Space Shuttle)

SCW

the SuperCritical Wing

SD

Standard Deviation

SDCI

Singles and Doubles Configuration Interaction (Quantum Chemistry)

SDCS

Simulation Data Conversion System
(Space Flight Operations Facility (NASA))

SDI

Strategic Defense Initiative

SDIMU

Strap Down Internal Measuring Unit
(see also IMU)

SDIO

Strategic Defense Initiative Organization

SDL

Systems Development Laboratory, JPL

SDLV

Shuttle-Derived Launch Vehicle

SDMS

Standard Database Management System

SDP

1. Site Data Processor
2. Standard Data Processor

SDTN

Space and Data Tracking Network

SDV

Shuttle Derived Vehicle

SE

1. Storage Element
2. Student Experiment
3. Systems Engineering

SE&I

System Engineering & Integration

SEA
Sudden Enhancement of Atmospherics

SEADS
Shuttle Entry Air Data System

SEAMAP
Scientific Exploration and Mapping Program

SEASAT
Specialized Experimental Applications Satellite

SeaWiFS
Sea-Viewing Wide Field Sensor

SEC
Secondary Electron Conduction

SECANT
Separation and Control of Aircraft using Nonsynchronous Techniques

SECOR
Sequential Collation of Range Satellite

SED
Spectral Energy Distribution

SEDA
Secondary Electron Detector Assembly

SEDS
Small Expendable Deployer System

SEEDS
Space Exposed Experiment Developed for Students

SEI

1. Software Engineering Institute (DoD)
2. Space Exploration Initiative

SELSIS
Space Environment Laboratory Solar Imaging System

SEM

1. Scanning Electron Microscope
2. Space Environment Monitor
3. Standard Electronic Module
4. Storm Electrification Model

SEMM

Solar-Electric Multimission Spacecraft

SEMONS

Space Environment Monitoring System

SEMPA

Scanning Electron Microscope and Particle Analyzer

SEOCS

Sun-Earth Observatory and Climatology Satellite

SEOS

Synchronous Earth Observatory Satellite

SEO

Synchronous Equatorial Orbiter

SEP

1. Solar-Electric Propulsion
2. Solar Energetic Particles
3. Surface Electrical Properties

SEPAC

Space Experiment with Particle Accelerators (payload)

SEQUAL

Seasonal Response of the Equatorial Atlantic

SERIES

Satellite Emission Range Infrared Earth Survey

SERN

Single Expansion Ramp Nozzle
(An aircraft engine exhaust nozzle)

SERT

1. Space Electric Rocket Test
2. Spinning Satellite for Electric Rocket Test

SERTS

Solar Extreme Ultraviolet Telescope and Spectrograph

SES

1. Stirling Engine System
2. Suffield Experimental Station (Canada)

SESAC

Space and Earth Sciences Advisory Committee

SESAME

Severe Environmental Storm and Mesoscale Experiment

SET Program

Solar Energy Thermionic Program

SETI

Search for Extraterrestrial Intelligence

SETS

1. Solar Electric Test Satellite
2. Solar Energy Thermionic Conversion System (NASA)
3. Stereo Electro-optical Tracking System

SEU

Single-Event Upset

SFA

Single Frequency Approach

SFDU

Standard Formatted Data Unit

SFE

Space Frequency Equivalence

SFHe

Superfluid Helium

SFIR

Sequential Filter Imaging Radiometer

SFMD

Storable Fluid Management Demonstration

SFO

Simulated Flameout

SFOF

Space Flight Operations Facility

SFP

1. Single Failure Point (Space Shuttle)
2. Space Flight Participant (A Shuttle crew member whose presence is not required for operation of payloads or mission unique activities)

SFU-RET

Space Flyer Unit - Retrieval

SGEMP

System-Generated Electro-Magnetic Pulse program

SGG

Superconducting Gravity Gradiometer

SGR

Sodium Graphite Reactor

SHARE

Space Station Heat Pipe Advanced Radiator Element

SHEAL

Shuttle High Energy Astrophysics Laboratory

SHF

Super High Frequency

SHIP

Simplified Helmholtz Integral Program

SHOOT

Superfluid Helium On-Orbit Transfer

SI

1. International System of Units
2. Solar Inertial

SIAM

Self Initiated Antiaircraft Missiles

SIB

Simple Biosphere

SIC

Structural Influence Coefficient

SID

1. Standard Instrument Departure
2. Sudden Ionospheric Disturbance

SIFT

System Identification from Tracking

SIH

System for Hydrometeorological Information (Brazil)

SII

Space Industries, Inc.

SIL

Speech Interference Level

SILTS

Shuttle Infrared Leeside Temperature Sensing

SIM

Scientific Instrument Module (Lunar satellite - Apollo 15)

SIMD

Single Instruction Stream/Multiple Data

SIMICOR

Simultaneous Image Correlation

SIMS

Secondary Ion Mass Spectrometry

SIP

Satellite Interceptor Program

SIR

1. Shuttle Imaging Radar
2. Spaceborne Imaging Radars (series)

SIR-C

Shuttle Imaging Radar-C

SIRD

Support Instrumentation Requirements Document

SIREN capsule

Sanders Intact Reentry Encapsulation

SIRS

Satellite Infrared Spectrometer

SIRTF

1. Space Infrared Telescope Facility
2. Shuttle Infrared Telescope Facility

SIS

1. Simulation Induced Sickness
2. Single Interceptor Satellite
3. Superconductor-Insulator-Superconductor

SISEX

Shuttle Imaging Spectrometer Experiment

SIT

Satellite Inspector Target

SITE

Satellite Instructional Television Experiment

SIVB

(Third stage (IVB) of Saturn Launch Vehicle)

S/L

Spacelab

SLAC

Spacelab Lyman Alpha Coronograph

SLAR

Side Looking Airborne Radar

SLBM

1. Space-Launched Ballistic Missile
2. Submarine-Launched Ballistic Missile

SLC

Shuttle Launch Complex (VAFB)

SLEEC

Shingle Lap Extendible Exit Cone

SLM

1. Single-Longitudinal-Mode (lasers)
2. Spatial Light Modulator

SLOC

Source Lines of Code

SLR

1. Satellite Laser Ranging
2. Side-Looking Radar

SLS

Space Life Sciences Laboratory

SLS-1

Spacelab Life Sciences One

SLSTP

Space Life Sciences Training Program

SLV

Standard Launch Vehicle

SM

1. Service Module
2. Systems Management

SMC

System Management Center

SME

1. Shape Metal Effect
2. Solar Mesosphere Explorer

SMEAT

Skylab Medical Experiments Altitude Test

SMEX

Small-Class Explorer

SMF

Space Medical Facility

SMM

Solar Maximum Mission
(Program using Earth Observatory Satellite)

SMMC

Systems Maintenance and Monitoring Console

SMMR

Scanning Multichannel (or Multifrequency) Microwave Radiometer
(Nimbus-7)

SMRD

Spin Motor Rotation Detector

SMRM

Solar Maximum Repair Mission

SMS

Synchronous Meteorological Satellite

SMSS

Soil Mechanics Surface Sampler

SMT

Surface Mount Technology

SMTRB

Ship and Marine Technology Research Board (United Kingdom)

SMU
Space Self-Maneuvering Unit

SMY
Solar Maximum Year

SN
1. Signal-to-Noise ratio
2. Succinonitrile

S-N
Superconducting - Normally conducting

SNAP
System for Nuclear Auxiliary Power Program

SNG
Synthetic Natural Gas

SNORT
Superson Naval Ordnance Research Track

SNR
Signal-to-Noise Ratio

SOAP
Spectrometric Oil Analysis Program

SOAP
Systems/Operations Analysis of Programs

SOAR
Space Orbiting Advanced Fusion Power Reactor

SOC
Space Operations Center
(Manned Orbital Space Station)

SOCM
Stand Off Clustered Munition (Missile)

SOEP
Solar Oriented Experiment Package

SOFIA
Stratospheric Observatory for Infrared Astronomy

SOHO
Solar and Heliospheric Observatory

SOI
Solar Oscillations Imagery (Experiment)

SOI
Spin-scan Ozone Imager

SOLCON
measurement of SOLar CONstant

SOLSPEC
SOLar SPECtrum measurement

SONO
Solar and Heliospheric Observatory

SOON
Solar Observing Optical Network

SOOS
Stacked OSCAR On Scout (Two OSCAR Satellites)

SOP
Standard Operating Procedures

SOR
Successive Overrelaxation (mathematics)

SORTE
Shuttle Orbiter Radar Test and Evaluation

SOS

- 1. Silicon-On-Saphire
- 2. Space Operations Simulator

SOT
Solar Optical Telescope

SOTP

Saturn Orbiter/Titan Probe

SOUP

1. Solar Optical Universal Polarimeter
2. Spectrum Orbit Utilization Program

SOW

Statement of Work

SPACE

1. Satellite Precipitation and Cloud Experiment
2. Spacecraft Prelaunch Automatic Checkout Equipment

SPADATS

Space Detection and Tracking System

SPADE

Sparta Acquisition Digital Equipment

SPADVOS

Spaceborne Direct Viewing Optical System

SPAM

Scanning PhotoAcoustic Microscopy

SPAN

1. Space Plasma Analysis Network
2. Space Physics Analysis Network

SPAR

1. Space Power Advanced Reactor Program (Los Alamos)
2. Space Processing Applications Rocket
3. Structural Performance Analysis and Redesign

SPARC

1. Slant Path Atmospheric Refraction Calibrator
2. Spectral Analysis and Recognition Computer

SPARTAN

Shuttle-Pointed Autonomous Research Tool for Astronomy

SPAS

Shuttle Pallet Satellite

SPB/DB

Superplastic Forming/Diffusion Bonding

SPDL

Structured Program Design Language

SPE

1. Solar Particle Event
2. Solid Polymer Electrolyte

SPF

1. Single-Point Failure
2. Space Power Facility
3. Specific Pathogen Free

SPG

Sinusoidal Pressure Generator

SPHA

Self Paced Heat Acclimation

SPI

1. Surface Position Indicator (Space Shuttle)
2. Symbolic Pictorial Indicator

SPL

1. Sound Pressure Level (Dynes/cm²; acoustic unit of measure)
2. Solar Pumped Laser

SPM

Solar Proton Monitor

SPO

1. Sacramento Peak Observatory, Sunspot, N. Mex.
2. Solar Polar Orbitor

SPOT

1. Speed Position and Track
(synchronous navigation satellite system)
2. System Probatoire d'Observation de la terre

SPP

Solar Pumped Plasma

- SPS**
1. Satellite Power System
2. Solar Power Satellites
- SPTN**
Shuttle Pointed Autonomous Research Tool for Astronomy
- SPUR**
Space Power Unit Reactor
- SPURT**
Spinning Unguided Rocket Trajectory
- SQL**
Structural Query Language
- SQUID**
Superconducting Quantum Interference Detectors
- SR**
1. Saturable-Core Reactor
2. Scanning Radiometer
- SRA**
Spherical Radiation Absorber
- SRB**
Solid Rocket Booster (Space Shuttle)
- SRDE**
Signals Research and Development Establishment (Gr. Brit.)
- SRE**
Sodium Reactor Experiment
- SRIXE**
Synchrotron Radiation Induced X-ray Emission
- SRL**
Space Radar Laboratory
- SRM**
1. Safety, Reliability, and Maintainability
2. Solid Rocket Motor

SRO	Savannah River Operation Office AEC	
SRR	Systems Requirements Review	
SRSV	Satellite Robot Simulator Vehicle	
SS	<ol style="list-style-type: none">1. Space Station2. Sun Synchronous polar orbit	
SSA	Space Suit Assembly	
SSB	<ol style="list-style-type: none">1. Single Sideband2. Space Science Board	
SSBUV	Shuttle Solar Backscatter Ultraviolet Instrument	
SSC	<ol style="list-style-type: none">1. Committee on Ship Structure, National Research Council,2. John C. Stennis Space Center3. Superconducting Super Collider	Washington, D.C.
SSCC	Space Station Control Center	
SSCE	Solid Surface Combustion Experiment Space Station Cargo Element(s)	
SSD	Space Systems Div., Air Force Systems Command, Inglewood, Calif.	
SSDN	Sun-Synchronous Day/Night	
SSE	Software Support Environment	

SSEC Solar System Exploration Committee

SSEMU Space Station Extravehicular Mobility Unit

SSF Space Station Freedom

SSFEPS Space Station Freedom Electrical Power System

SSFMB Space Station Freedom Manned Base

SSFPO Space Station Freedom Program Office

SSFUF Space Station Freedom Utilization Flight

SSG Standard Specific Gravity

SSGS Standardized Space Guidance System

SSIP Shuttle Student Involvement Program

SSIS Space Station Information System

SSM/I Special Sensor Microwave Imager

SSME Space Shuttle Main Engine

SSMF

1. Space Station Microwave Facility
2. Space Station Millimeter Facility

SSMI
Special Sensor Microwave Imager

SSO
Space Shuttle Orbiter

SSOT
Single Stage to Orbit

SSP
1. Site Survey Payload
2. Space Station Program

SSPF
Space Station Processing Facility

SSR
Secondary Surveillance Radar

SSRMS
Space Station Remote Manipulator System

SSRS
Start Start Restart System

SSS
1. Satellite Servicer System
2. Satellite Surveillance System

SSS-A
Explorer 45

SSSA
Space Station Solar Array

SST
1. Satellite Servicing Technology
2. Satellite to Satellite Tracking
3. Sea Surface Temperature
4. Spacecraft Systems Test
5. Supersonic Transport

SSTIR
Sea-Surface Temperature Imaging Radiometer

SSTO

Single-Stage-To-Orbit

SSU

Stratospheric Sounding Unit

ST

Star Tracker (Space Shuttle)

STADAN

1. Satellite Tracking and Data Acquisition Network
2. Space Tracking and Data Acquisition Network

STAFF

Stellar Acquisition Feasibility Flight

STAGG

Small Turbine Advanced Gas Generator

STAMP

Stratospheric/Troposphere Aerosol Measurement Program

STAMP

Space Technology and Analysis and Mission Planning

STAR

1. Scientific and Technical Aerospace Reports (publication)
2. Sistema Telemetrico de Aquisicao e Registro de Dados (Telemetric Data Acquisition and Registration System -- Brazilian Space Program)
3. Standard Terminal Arrival route

STARPAHC

Space Technology Applied to Rural Papago Advanced Health Care (Project)

STAT

Small Transport Aircraft Technology

STBD

Starboard

STBE

Space Transportation Booster Engine

STD

1. Science and Tech Div., Library of Congress, Washington, D.C.
2. Standard

STDN

Spaceflight Tracking and Data Network

STEDS

Shuttle Tether Deployer System

STELLAR

Star Tracker for Economical Long Life Attitude Reference

STEM

1. Scanning Transmission Electron Microscope
2. Stay Time Extension Module (Project Apollo)

STEP

1. Solar-Terrestrial Energetics Program
2. Space Technology Experiment platform
3. Space Test Program
4. Structures Technology Experiments Platform
5. Stratosphere-Troposphere Exchange Project
6. Supra-Thermal through Energetic Particle (sensor)

STEPO

Self-Contained Toxicological Environmental Protection Outfit

STEX

Sensor Technology Experiment

STIF

Scientific and Technical Information Facility

STIKSCAT

Stick Scatterometer

STINGS

Stellar Inertial Guidance System

STL

1. Science and Technology Laboratory
2. Space Tissue Loss

STME
Space Transportation Main Engine

STO
1. Solar-Terrestrial Observatory
2. Spater-Type Orbital

STOL
Short Takeoff and Landing

STOLAND
STOL Navigation and Landing System

STOVL
Short Take-Off and Vertical Landing

STP
1. Standard Temperature and Pressure
2. Space Test Program

STP-x
Space Test Program-x

STS
1. Solar-Terrestrial Science
2. Space Transportation System

STTP
1. Solar-Terrestrial Theory Program
2. Life Sciences Space Technology Training Program

STV
Space Transfer Vehicle

SU3
(Three-Dimensional Symmetry)

SUBIC
Submarine Integrated Control Project

SUMS
Shuttle Upper Atmosphere Mass Spectrometer

SUNLITE

Stanford University/NASA Lidar In-Space Technology Experiment

SURF

Space Ultra-Vacuum Research Facility
Synchrotron Ultraviolet Radiation Facility

SURVSAT

Survivable Satellite Communication System

SUSIM

Spectral Irradiance Monitor

Sv

Sievert (Radiation dose unit of measure)

SVFR

Special Visual Flight Rules

SVO

Solar Variability Observatory

SWA

Special Warfare Agency, Fort Bragg, N. C.

SWADE

Surface Wave Dynamics Experiment

SWAPP

Surface Wave Processes Program

SWAS

Submillimeter Wave Astronomy Satellite

SWATEM

Small-Force Weapons and Tactics Evaluation Model

SWG

Science Working Group

SWICS

Solar Wind Ion Composition Spectrometer

SWIR
Short Wave Infrared

SWP
Short Wavelength Prime (Camera on IUE)

SWS
Saturn Workshop

SYNCOM
Synchronous Communications Satellite

SYS
System

TA

Triacetin

TAA

1. Thioacetamide
2. Triaxial Angular Accelerometer
3. Turbine Alternator Assembly

TABLASER

(Trace (element) Analyzer Based on Laser Ablation and Selectivity Excited Radiation)

TAC

1. Tactical Air Command, Langley Air Force Base, Va.
2. Technology Application Centers (NASA)

TAC

Turbine Alternator Compressors

(Major component of experimental nuclear power generation system capable of producing up to 100 kilowatts)

TACAN

Tactical Air Navigation

TACT

Transonic Aircraft Technology Program

TAE

Transportable Applications Executive

TAEM

Terminal Area Energy Management guidance

TAFIES

Tactical Air Force Intelligence Exploitation System

TAG Azide

Triaminoguanidinium

TAGN

Triaminoguanidine Nitrate
(nitramine propellant)

TAGS

1. Tower Automated Ground Surveillance (System)
2. Tactical Aircraft Guidance program

TAL

Transatlantic Abort Landing (Space Shuttle)

TAMICSS

TAFIES Microfilm Subsystem

TAMMS

Tropospheric Air Motion Measurement Systems

TAP

Toxicological Agent Protective (suit)

TAPS

Two Axis Pointing System

TARGET

Team to Advance Research for Gas Energy Transformation

TASI

Time Assignment Speech Interpolation

TAT

Technology Applications Team

TATB

Triaminotrinitrobenzene

TAV

Transatmospheric Vehicle

TAVERNS

Test and Validation Environment for Remote Networked Systems

TAZ

Triaminoguanidinium

TAZI

Triaminoguanidinium Azide

TB Weighted Mean Body Temperature

TBD To Be Determined

TBP Tri-Butyl Phosphate

TBR Total Body Radiation

TBT Total Body Temperature

TC Core Temperature

TCA Terminal Control Area

TCG Transponder Control Group

TCM Temperature Control Model

TCP

1. Test and Checkout Plan
2. Transmission Control Protocol
3. Technical Change Proposal

TCP theorems
(T - time inversion operations; C - parity operations; P - charge conjugation operation)

TCR

1. Temperature Coefficient of Resistance
2. Two Color Refractometer

TCS Thermal Control System (Subsystem)

TCT Tone Calibrated Technique

TCU	Tape Control Unit
TCV	Terminal-Configured Vehicles
TD	<ol style="list-style-type: none">1. Tape Driver2. Touch Down (Space Shuttle)
TDA	Toluene - 2.4 - Diamine
TDAS	Tracking and Data Acquisition System
TDASS	Tracking and Data Acquisition Satellite System
TD&E	Transposition Docking and Extraction
TDI	Toluene - 2.4 - Diisocyanate
TDM	Time Division Multiplexed
TDMA	Time-Division Multiple Access
TDRS	Tracking and Data Relay Satellite
TDRS-II	Tracking and Data Relay Satellite Series-II
TDRSS	Tracking and Data Relay Satellite System
TDSS	Telemetry Data Signal Simulator

TDZ

Touchdown Zone

TDZL

Touchdown Zone Light System

TEA

1. Torque Equilibrium Attitude
2. Transversely Excited Atmospheric Pressure Laser

TEC

Transearth Coast

TED

1. Thermoelectric Devices
2. Transmission Electron Diffraction

TEEM

Electron Emission Microscope

TEI

Transearth Injection

TELESAT

Canadian Telecommunications Satellite

TELOPS

Telemetry On-line Processing System

TELSTAR

AT&T Communications Satellite

TEM

Transmission Electron Microscopy

TEMoo

Transverse Electromagnetic Mode (oo is direction of plane)

TEMP

1. Thermal Energy Management Process (experiment)
2. Two phase Mounting Plate Experiment

TEP

Transmitter Experiment Package

TERRESTAR

Terrestrial Application of Solar Technology and Research

TES

Tropospheric Emission Spectrometer

TEST

Thermal Energy Storage Technology

TeV

Tera-Electron Volts

TEVROC

Tailored Exhaust Velocity Rocket

T/F

Time Frequency

TFE

Tropopause Fold Event

TFTR

Toroidal Fusion Test Reactor

TGA

Thermogravimetric Analysis

TGCM

Thermospheric General Circulation Model

TGDDIS

Trace Gas Dynamics Data Information System

TGE

Traverse Gravimeter Experiment

THA

Triaminoguanidinium Hydrazonium Azide

THEP

TOGA (Tropical Ocean Global Atmosphere) Heat Exchange Project

THETN

Trimethylolethanetrinitrate

THIR

Temperature-Humidity Infrared Radiometer

TH-LOC

Terraced Heterostructure Large Optical Cavities

TIARA

Target Illumination And Recovery Aids

TID

Traveling Ionospheric Disturbance

TIDE

Thermal Ion Dynamics Experiment

TIG

Tungsten Inert Gas Welding

TIMED-H-L

Thermosphere/Ionosphere/Mesosphere Energetics and Dynamics-inclination

High and Low

TIMS

1. Thermal Infrared Mapping Spectrometer
2. Thermal Infrared Multispectral Scanner

T-Invariance

Time Invariance

TIP

1. Thrust Inlet Pressure
2. Tiros Information Processor
3. Transit Improvement Program

TIR

Thermal Infrared

TIROS

Television and Infrared Observation Satellite

TIS

Teacher In Space

TLC

1. Thin Layer Chromatography
2. Translunar Coast

TLD

Thermoluminescent Dosimeter

TLI

Translunar Injection

TLM

Telemetry

TLRS

Transportable Laser Ranging System

TLV

Threshold Limit Value

TM

1. Telemetry
2. Thematic Mapper (Landsat)
3. Transverse Magnetic-Wave

TMA

1. Technology Mirror Assembly
2. Terminal Area
(British Air Navigation)

TMAE

Tetrakis Dimethylamino Ethylene

TMC

Transmitter Modulation Control

TMI

1. Trans-Mars Injection
2. TRMM Microwave Imager

TMIS

Technical Management and Information System

TML

Total Mass Loss

TMO

Table Mountain Observatory

TMR

Triple Modular Redundancy

TMRT

Mean Radiant Temperature

TMS

Thematic Mapper Simulator

TMT

Transonic Model Tunnel

TMX

Tandem Mirror Experiment

TNT

Trinitrotoluene

TOC

Total Organic Carbon

TOF

Time of Flight

TOGA

Tropical Ocean Global Atmosphere

TOMS

Total Ozone Mapping Spectrometer

TOPCAT

Trajectory Optimization Program for Comparing Advanced Technology

TOPEX

1. Topology Ocean Experiment
2. Topography Experiment
3. Typhoon Operational Experiment

TOPS

1. Thermoelectric Outer Planet Spacecraft
2. Total Ocean Profiling System

TORF

Tethered Orbital Refueling Facility

TORMAK

Toroidal Magnetic Cusp
(Controlled fusion)

TOS

1. Tiros Operational Satellite
2. Transfer Orbit Stage

TOSS

Tiros Operational Satellite System

TOT

Time on Target

TOVS

TIROS Operational Vertical Sounder

TPA

Transponder Performance Analyzer

TPAD

Trunnion Pin Attach Device (Space Shuttle)

TPC theorems:

(T - time inversion operations; P - parity operations; C - charge conjugation operation)

TPCE

Tank Pressure Control Experiment

TPITS

Two Phase Integrated Thermal System

TPM

Technical Performance Measurement

TPS

Thermal Protection System

TQM

Total Quality Management

TR

Skin Temperature

TRACE

1. Task Reporting and Current Evaluation
2. Taxing and Routing of Aircraft Coordinating Equipment
3. Tracking and Communications (Extra terrestrial)

TRACON

1. Terminal Control (Facility)
2. Terminal Radar Approach Control

TRANET

Tracking Network

TRAP

Tape Recorder Action Plan Committee

TRCS

Tactical Radio Communications Systems

TRD

Technology Readiness Date

TREAT

Transient Radar Test Facility

TREE

Transient Radiation Effects on Electronics

TRIS

Trapped Ions in Space (Experiment)

TRM

Thermoremanence Magnetization

TRMM

Tropical Rainfall Measuring Mission

Trmr

Mean Radiant Temperature

TRP

Two-Step Resonant Photoionization

TRRA
Tilt Rotor Research Aircraft

TRS
Thermal Residue Stress

TRSB
Time Reference Scanning Beam
(Microwave landing system)

TRSS
Teleoperator and Robotic System Simulation

TRT
Transonic Research Tunnel

TRUST
Television Relay Using Small Terminals

TSM
Thermal Scale Model

TSP
Technical Support Package

TSS
Tethered Satellite System

TTC
Telemetry Traffic Control

TTL
Transistor-Transistor Logic

TTN
Tetrathianaphthalene

TTS
Temporary Threshold Shift

TUG
Space Tug

TUTS

True Ultimate Tensile Strength

TVA

Tennessee Valley Authority

TVC

Thrust Vector Control

TVD

Total Variation Diminishing

TVOPA

1, 2, 3-tris {or, 8-bis(difluoroamino) ethoxy} propane

TVOR

Terminal (area) Very-High-Frequency Omnidirection Range

TVS

Triaxial Vibration Sensor (Space Shuttle)

TWERLE

Tropical Wind Energy Conversion and Reference Level Experiment

TWT

Traveling Wave Tube

TZM

Titanium Zirconium Molybdenum (alloy)

U

UAF

1. Universe Astronautics Foundation
2. University of Alaska-Fairbanks

UARS

Upper Atmosphere Research Satellite

UBV

(Ultraviolet-Blue-Visual in astronomy)

UCD

Urine Collection Device

UDE

Underwater Detection Establishment (Gt. Brit.)

UDETA

Unsymmetric Diethyltrianine

UDMH

Unsymmetric Dimethyl Hydrazine

UDOFT

Universal Digital Operational Flight Trainer

UDOP

Ultrahigh Frequency Doppler (tracking system (tracking system)

UFO

Unidentified Flying Object

UGC

Uppsala General Catalog (galaxies)

UHF

Ultra High Frequency

UHTREX

Ultra High Temperature Reactor EXperiment

UIT	Ultraviolet Imaging Telescope (Shuttle payload)
U.K.	United Kingdom
ULA	Underwater Location Aids
ULC	Unpressurized Logistics Carrier
ULM	Ultrasonic Line Modulator
ULP	Ultra Low Chamber Pressure
ULYSSES	Formerly ISPM (International Solar Polar Mission)
UMTA	Urban Mass Transit Administration
UND	University of National Defense (Previously ICAF & Nat. War College)
UNDP	U.N. Development Program
UNEP	United Nations Environment Program
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNICODE	Unique Injector Concepts Development
UNISTAR	User Network for Information Storage, Transfer, Acquisition and Retrieval

UQL	Upper Quasihomogeneous Layer
URA	Uniformly Redundant Array
US	Unitary Symmetry
U.S.	United States
USA	United States Army
USAF	United States Air Force
USAFE-T	United States Air Forces in Europe (Turkey)
USCG	U.S. Coast Guard
USDA	United States Department of Agriculture
USE	User Support Environment
USEPPA	Universal System of Units of Industrial Pneumatic Automation
USGCRP	United States Global Change Research Program
USGS	<ol style="list-style-type: none">1. Geological Survey, Denver, Colo.2. Geological Survey, Washington, D. C.
USL	<ol style="list-style-type: none">1. Navy Underwater Sound Lab., Fort Trumbull, New London, Conn.2. United States Laboratory

USML

United States Microgravity Laboratory

USMP

United States Microgravity Payload

USN

United States Navy

USP/ESS

Unmanned Spacecraft Panel's/Environmental Satellite Subpanel

USPO

Urban Systems Project Office

USRA

Universities Space Research Association

USRL

Navy Underwater Sound References Lab., Orlando, Fla.

USS

Unique Support Structure

U.S.S.R.

Union of Soviet Socialist Republics (Now CIS)

UT

Universal Time

UT1

Universal Time System one

UTC

Universal Time Coordinated

UTDF

Universal Tracking Data Format

UTM

Universal Transverse Mercator

UTS

Ultimate Tensile Strength

UTTAS
Utility Tactical Transport Aircraft System

UV
Ultraviolet

UVPI
Ultraviolet Plume Imager

UVR
Ultraviolet Radiation

UVS
Ultraviolet Spectrometer

UVSP
Ultraviolet Spectrometer Polarimeter

UWG
User Working Group

VAB

Vehicle Assembly Building (KSC-NASA)
(Also SAB - Satellite (Spacecraft) Assembly Building)

Vac

Volts Alternating Current

VADE

Vandenberg Automatic Data Evaluation

VAFB

Vandenberg Air Force Base

VALT

VTOL Automatic Landing Technology (Program)

VANG 1

Variable Area Nozzle Gas Injection

VAS

1. Variable Angle Scatterometer
2. VISSR Atmospheric Sounder

VAS/CCOPE

Vertical Atmospheric Sounder/Cooperative Convective Precipitation Experiment

VAST

Versatile Avionics Shop Test System

VASI

Visual Approach Slope Indicator

VCD

Vapor-Compression Distillation

VCE

Variable Cycle Engine

VCG

Vapor Crystal Growth

VCO
Voltage Controlled Oscillator

VCR
Video Cassette Recorder

VCS
Voice Controlled System

Vdc
Volts Direct Current

VDOP
Vertical Dilution of Precision

VDT
Video Display Terminal

VER
Vertical Ejection Rack (for bomb ejection)

VERSACOMM
Versatile Contour Measuring Machine

VEU
Very Extreme Ultraviolet

VEUV
Very Extreme Ultraviolet

VFR
Visual Flight Rule

VFT
Visual Function Test in Space

VGH
Velocity Gravity Height

VGRF
Variable Gravity Research Facility

VHBW
Very High Speed Black-and-White (film)

VHF

Very High Frequency

VHOL

Very High Order Language

VHRR

Very High Resolution Radiometer

VHSIC

Very High-Speed Integrated Circuit

Vi

Internal Velocity

VICAR

Video Image Communication and Retrieval

VICI

Velocity Indicating Coherent Integrator Electronic Countermeasure

VIM

Visual Inspection Module

VIMS

Visible and Infrared Mapping Spectrometer

VIPOR

Visual Investigation Program on Orbiter Operations

VIR

Visible Infrared Radar

VIRGS

VISSR Image Registration and Gridding System

VISSR

Visible Infrared Spin-Scan Radiometer (GOES B and C)

VIS/UV

Visual/Ultraviolet

VLA

Very Large Array

VLBI	Very Long Baseline Interferometry
VLF	Very Low Frequency
VLIW	Very Long Instruction Word
VLS	Vandenberg Launch and Landing Site
VLSI	Very Large Scale Integration
VLSIC	Very Large Scale Integrated Circuit
VM	Virtual Memory
VMD	Vertical Magnetic Dipole
VNAV	Vertical Navigation
VNIR	Visible Near Infrared
VOIR	Venus-Orbiting Imaging Radar
VOR	1. Very High Frequency Omnidirectional Range
VOR/DME	Very-High-Frequency Omnidirectional Range/Distance Measuring Equipment
VOX	Voice-Operated Transmission
VPA	Variable Power Amplifier

VPPA

Variable Polarity Plasma Arc

VRCS

Vernier Reaction Control System (jet)

VRM

1. Venus Radar Mapper
2. Viscous Remanence Magnetization

VRV

Visual Range Visibility

VSA

Vibrating String Accelerometer

VSB

Vestigial Sideband

VSI

Velocity and Steering Indicator

VSOP

VLBI Space Observatory Program

V/STOL

Vertical/Short Takeoff and Landing

VSWR

Voltage Standing Wave Ratio

VTF

Valve Testing Facility (for HTAH for magnetohydrodynamics power plants)

VTOL

Vertical Takeoff and Landing

VTPR

Vertical Temperature Profile Radiometer

VCR

Video Tape Recorder

WXYZ

W

Watt

WAL

Watertown Arsenal Lab., Mass.

WAMDII

Wide Angle Michelson Doppler Imaging Interferometer

WAN

Wide Area Networks

WARC

World Administrative Radio Conference

WARHUD

Wide Angle Raster Head Up Display

WBS

Work Breakdown Structure

WBT

Wet Bulb Temperature

WBGT

Wet Bulb Globe Temperature

WBS

Work Breakdown Structure

WBVTR

Wide Band Video Tape Recorder

WD

Wet/Dry Index

WESRAC

Western Research Applications Center

WESTAR

Western Union Telegraph Communication Satellite

WFF

Wallops (Island) Flight Facility

WGH

Womack General Hospital, Fort Bragg, N. C.

WIMPs

Weakly Interactive Massive Particles

WIND

Interplanetary Space Physics Mission

WINDEX

Window Experiment

WINE

Winter In Northern Europe
(MAP-Middle Atmosphere Program)

WISP

Waves in Space Plasma

WITS

Worldwide Ionosphere-Thermosphere Study

WKB

Wentzell Krammers Brillouin Approximation

WLC

White Light Coronagraph

WMO

World Meteorological Organization

WMS

Waste Management System

WOCE

World Ocean Circulation Experiment

WORM

Write Once Read Memory

WOSE
Weather Officer in Space Experiment

WP
Work Package

WRAIR
Walter Reed Army Inst. of Research, Washington, D. C.

WRAP
Weapons Readiness Achievement Program

WRS
Waste Removal System

WS
Workstation

WSEG
Weapons Systems Evaluation Group, Dept. of Defense, Washington, D. C.

WSF
Wake Shield Facility

WSGT
White Sands Ground Terminal

WSMR
White Sands Missile Range, N. Mex.

WSTF
White Sands Test Facility

WTR
Western Test Range

WVR
Water Vapor Radiometer

WVT
Watervliet Arsenal, New York

WWW
World Weather Watch

X-SAR	
	X-Band Synthetic Aperture Radar
XBT	
	Expandable Bathythermography
XCP	
	Expendable Current Profiler
XPS	
	X-ray Photoelectron Spectroscopy
XRF	
	X-Ray Fluorescence
XRFS	
	X-Ray Fluorescence Spectroscopy
XSS	
	Experimental Space Station (Orbiting Work Shop)
XTE	
	X-Ray Timing Explorer
XUV	
	X-ray Ultraviolet
XXI	
	XUV/X-Ray Imager (Orbiting Solar Laboratory)
YAG	
	Yttrium-Aluminum Garnet Crystal
YIG	
	Yttrium-Iron Garnet Crystal
YSO	
	Young Stellar Objects
YTS	
	Yuma Test Station, Ariz.

Z

(Ultra heavy nuclei)

ZAMS

Zero Age Main Sequence Stars

ZPR

Zero Power Reactor

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