IPAO Acronyms

AA	Associate Administrator
AA/SMD	Associate Administrator for the Science Mission Directorate
AAA	Assistant Associate Administrator
AAA	Avionics Air Assembly
ACE	Attitude Control Electronics
ACEIT	Automated Cost Estimating Integrated Tools
ACS	Attitude Control System
ADCS	Attitude Determination and Control Subsystems
ADCS	Attitude Determination Control System
ADD	Architectural Description Document
AETD	Applied Engineering and Technology Directorate
AF	Air Force
AGE	Aerospace Ground Equipment
AI&T	Assembly, Integration and Test
AIAA	American Institute Of Aeronautics and Astronautics
AIRS	Atmospheric Infrared Sounder
AIT	Assembly, Integration and Test
AMSR-E	Advanced Microwave Scanning Radiometer - Earth Observing System
AO	Administrative Officer
AO	Announcement of Opportunity
AoA	Analysis of Alternative
AOCS	Attitude and Orbit Control System
APA	Allowance for Program Adjustment
APL	Applied Physics Laboratory
APMC	Agency Program Management Council
ARB	Anomaly Review Board
ARC	Ames Research Center
ARR	Assembly Readiness Review
ARR	Assembly, Test, and Launch Operations Readiness Review
ARR	ATLO Readiness Review
ARRA	American Recovery and Reinvestment Act
ART	Anomaly Response Team
ASEM	American Society of Engineering Management
ASIC	Application Specific Integrated Circuit
ASM	Acquisition Strategy Meeting
ASTER	Advanced Spaceborne Thermal Emission and Reflection
ATK	Alliant Techsystems Inc.
ATLO	Assembly, Test, and Launch Operations
ATU	ATLO Test Unit
AU	Astronomical Unit
AVS	Angular Velocity Sensor
AWACS	Airborne Warning and Control System
AZ	Arizona
BAC	Budget at Completion

BAE	The combination of British Aerospace and Marconi Electronic Systems
BARREL	Balloon Array for Radiation-belt Relativistic Electron Losses
BATC	Ball Aerospace and Technologies Corporation
BCD	Budget Change Directives
BHP	Behavioral Health and Performance
BMCC	Boeing Mission Control Center
BMP	Baseline Management Plan
BOE	Basis of Estimate
BOE	Basis of Estimation
BOSS	Business Operating Success Strategies
BS	Bachelor of Science
BSS	Boeing Satellite Systems
BUD	Bridle umbilical device
BUR	Bottom Up Review
C&DH	Command and Data Handling
CA	Control Account
CA	Convening Authority
CA	Cooperative Agreement
CA	Cost Analyst
CAC	Coleman Aerospace Company
CAD	Cost Analysis Division
CADRe	Cost Analysis Data Requirement
CAG	Cost Analysis Group
CAI	Communications, Avionics & Informatics
CAIG	Cost Analysis Improvement Group
CAIL	CEV Avionics Integration Laboratory
CALIPSO	Cloud-Aerosol Lidar & Infrared Pathfinder Satellite Observations
CAM	Control Account Manager
CAM	Cost Account Manager
CB	Astronaut Office
CBE	Current Baseline Estimate
C-C	Carbon-Carbon
CCB	Change Control Board
CCD	Charge-Coupled Device
CCMI	Conference Center at the Maritime Institute
CD	Center Director
CDF	Cumulative Distribution Function
CDPB	Command and Data Handling – Power Control Electronics
CDR	Critical Design Review
CEO	Chief Executive Officer
CER	Cost Estimating Relationship
CER	Cost Estimating Relationships
CERR	Critical Event Readiness Review
CEV	Crew Exploration Vehicle
CFDP	CCSDS File Delivery Protocol
CHIRMA	Collection and Handling for In-Situ Martian Rock Analysis

CI	Cost Issues
CID	Current Interrupt Device
CL	Confidence Level
CLSRB	Current Launch Schedule Review Board
CLV	Crew Launch Vehicle
CM	Configuration Management
CM&O	Center's Management and Operations
CMC	Center Management Council
CME	Cell Management Electronics
CMIC	C&DH Module Interface Card
CO	Contracting Officer
COBE	Cosmic Background Explorer
Code TI	Intelligent Systems Division
CoDR	Concept Decision Review
CoFR	Certificate of Flight Readiness
CoFR	Certification of Flight Readiness
Co-I	Co-Investigator
COI	Conflict of Interest
COLA	Collision Avoidance
Comm	Communications
COMSEC	Communications Security
CONAE	Comisión Nacional deActividades Espaciales
CONOPS	Concept of Operations
COPV	Composite Overwrapped Pressure Vessel
COROT	COnvection ROtation and planetary Transits
COTS	Commercial Off-the-Shelf
COTS	Commercial Orbital Transportation Services
CPA	Critical Path Assessment
CPAM	Cabin Pressure Acquisition Module
CPCB	CEV Project Control Board
CPHS	Committee for the Protection of Human Subjects
CPI	Cost Performance Index
CPS	configurator programming system
CPT	Comprehensive Performance Test
CPU	Central Processing Unit
CRM	Continuous Risk Management
CRS	Cargo Resupply Services
CS	Civil Servant
CS	Conducted Susceptibility
CSCI	Computer Software Configuration Item
CSIP	Cx System Integration Panel
CSO	Chief S&MA Officer
CSR	Crew Station Review
CSSS	Constellation Space Suit System
CTC	Cost to Complete
CTCU	Central Telemetry & Command Unit

CTD	Command & Telemetry Database
CTFS	Common Time and Frequency System
Cx	Constellation
CxP	Constellation Program
CY	Calendar Year
CY	Contract Year
DA	Decision Authority
DAC	Design Architecture Cycle
DAEP	DSN (Deep Space Network) Aperture Enhancement Project
DARPA	Defense Advanced Research Projects Agency
DAS	Demand Access Service
DAU	Defense Acquisition University
DAWG	Data Analysis Working Group
DC/DC	Direct Current/Direct Current
DCA	Debris Casualty Area
DCE	Dust Cover Eject
DCM	DV Clean-up Maneuvers
DCMA	Defense Contract Management Agency
DCS	Data Collection System
DD	Division Director
DD	Division Directorate
DDT&E	Design, Development, Testing & Evaluation
DFI	Developmental Flight Instrumentation
DFMR	Design For Minimum Risk
DFRC	Dryden Flight Research Center
DGA	Designated Governing Authority
DIL	Deliverable Items List
DIRWA	Demiseable Integrated Reaction Wheel Assembly
DM	Data Management
DMC	Data Management Center
DMCA-MLE	Descent Motor Control Assembly-Mars Landing Engine
DMSP	Defense Meteorological Satellite Program
DoD	Department of Defense
DOE	Department of Energy
DOORS	Dynamic Object Oriented Requirements System (Requirements Data Base Tool)
DOY	Day of Year
DP	Data Processing
DP	Design Principles
DPAM-RCS	Descent Stage Power and Analog Module-Reaction Control System
DPAS	Defense Priorities & Allocations System
DPFR	Development Problem Failure Report
DPM	Discovery Program Manager
DPMC	Directorate Program Management Council
DPO	Discovery Program Office
DPR	Dual-Frequency Precipitation Radar

DR	Decommissioning Review
DRC	Design Reference Case
DSAB	Defense Space Acquisition Board
DSIL	Distributed System Integrated Laboratory
DSN	Deep Space Network
DSR	Director Status Review
DTCI	Data, Telemetry and Command Interface
DTE	Driven to Explore
DVT	Design Verification Test
DXA	Dual Energy X-ray Absorptometry
E/PO	Education and Public Outreach
EA	Engineering Analysis
EAC	Estimate at Completion
EAG	Evaluation and Assessment Group
EARD	Exploration Architecture Requirements Document
ECD	Expected Completion Date
ECLSS	Environmental Control and Life Support System
ECN	Engineering Change Notice
ECR	Engineering Change Request
ECS	Environmental Control System
ECT	Energetic Particle, Composition, and Thermal Plasma
ED	Estimated Date
EDD	Early Definition Document
EDU	Engineering Development Unit
EEE	Electrical, Electronic, and Electromechanical
EELV	Evolved Expendable Launch Vehicle
EEPROM	Electrically Erasable Programmable Read-Only Memory
EFB	Earth Flyby
EFW	Electric Field and Waves
EGSE	Electrical Ground Support Equipment
EIRP	Effective Isotropic Radiated Power
ELV	Expendable Launch Vehicle
ELVIS	Expendable Launch Vehicle Integrated Support
EM	Engineering Mode
EM	Engineering Model
EMC	Electromagnetic Compatibility
EMC	Emergency Mode Controller
EMFISIS	Electric and Magnetic Field Instrument Suite and Integrated Science
EM-FM	Engineer Mode-Flight Mode
EMI	Electromagnetic Interface
EMI	Electromagnetic Interference
EMU	Engineering Model Unit
EMU	Extravehicular Mobility Unit
EO	Earth Orbiter
EO-1	Earth Orbit-1
EOL	End of Life

EOM	End of Mission
EOS	Earth Observing System
EP	Equivalent Personnel
EPA	Environmental Protection Agency
EPO	Education and Public Outreach
EPR	Engineering Peer Review
EPS	Electric Power System
EPS	Electrical Power Subsystem
EPSP	EVA Physiology, Systems and Performance Project
ERB	Engineering Review Board
ERD	Environmental Requirements Document
ESA	European Space Agency
ESAS	Exploration Systems Architecture Study
ESC	Electronic System Center
ESD	Earth Science Division
ESD	Electrostatic Discharge
ESM	Earth Systematic Missions
ESMD	Earth Science Mission Directorate
ESMD	Exploration Systems Mission Directorate
ESMP	Earth Systematic Missions Program
ESPD	Earth Science Projects Division
ESPO	Earth Science Program Office
ESPO	EVA Systems Project Office
ESR	EVA System Reference
ESSP	Earth Science System Pathfinder
ETC	Estimate to Complete
ETE	End-to-End
ETEM	Environmental Transmission Electron Microscopy
ETU	Engineering Test Unit
EV	Earned Value
EVA	Extravehicular Activity
EVM	Earned Value Management
EVMS	Earned Value Management System
EXCOM	Executive Committee
ExEP	Exoplanet Exploration Program
ExEPO	Exoplanet Exploration Program Office
ExMC	Exploration Medical Capability
F/A	Failure Analysis
F2F	Face-To-Face
FACA	Federal Advisory Committee Act
FACT	Flight Analysis Configuration To
FAD	Formulation Authorization Document
FAR	Federal Acquisition Regulation
FAYT	FAYT
FCE	Flight Crew Equipment
FCR	Fault Containment Region

FDD	Flight Director Display
FFF	Form Fit and Function
FFI	Full Frame Image
FFP	Firm Fixed Price
FGM	Fluxgate Magnetometer
FGS	Fine Guidance System
FHW	Flight Hardware
FIRST	For Inspiration and Recognition of Science and Technology
FM	Flight Mode
FMEA	Failure Modes and Effects Analysis
FMECA	Failure Mode, Effects and Criticality Analysis
FO	Flight Operations
FOM	Figure of Merit
FOP	Follow-up Observing Program
FOR	Flight Operations Review
FOS	Faint Object Spectrograph
FOV	Field of View
FP/RM	Fault Protection / Redundancy Management
FPA	Focal Plane Array
FPB	Flight Planning Board
FPC	Flight Planning Center
FPGA	Field Programmable Gate Array
FPO	Flight Projects Office
FRR	Flight Readiness Review
FS	Flight Segment
FSG	Fine Guidance Sensor
FSR	Funded Schedule Reserve
FSW	Flight Software
FT	Fault Tolerance
FTA	Flight Test Article
FTE	Full-Time Equivalent
FY	Fiscal Year
G	Green
G&C	Guidance and Control
GALEX	Galaxy Evolution Explorer
GAO	Government Accountability Office
GCP	Ground Control Point
GCR	Galactic Cosmic Rays
GD	General Dynamics
GDC4S	General Dynamics C4S
GDDR	Ground Detailed Design Review
GDS	Ground Data System
GEMS	Global Earth-System Monitoring with Satellite and In-Situ Data
GFE	Government-Furnished Equipment
GFY	Government Fiscal Year
GHz	Giga Hertz

GLAST	Gamma-Ray Large Area Space Telescope
GMI	GPM Microwave Imager
GN&C	Guidance, Navigation and Control
GO	Ground Operations
GO	Guest Observer
GOES	Geostationary Orbital Environmental Satellite
GOES-R	Geostationary Operational Environmental Satellite-R Series
GOLD	Goddard Open Learning Design
GOLF	Gravity Offload Fixture
GP	Gravity Probe
GPB	Gravity Probe B
GPDR	Ground Peer Design Review
GPM	Global Precipitation Measurement
GPMC	Governing Program Management Council
GPMP	Global Precipitation Measurement Project
GPR	Goddard Procedural Requirement
GPS	Global Positioning System
GRACE	Gravity Recovery and Climate Expedition
GRACE	Gravity Recovery and Climate Experiment
GRAIL	Gravity Recovery And Interior Laboratory
GRC	Glenn Research Center
GRIP	Gravity Recovery Instrument for Planets
GRMS	Goddard RFA Management System
GRST	Gamma-Ray Large Area Space Telescope
GS	General Schedule
GS	Ground Segment
GS	Ground System
GSE	Ground Support Equipment
GSFC	Goddard Space Flight Center
GSIT	Ground Segment Integration Test
GSM	Ground Segment Manager
GSRD	Ground Segment Requirement Document
GSW	Ground System Software
H/W	Hardware
HEOMD	Human Exploration Operations Mission Directorate
HGA	High-Gain Antenna
HHC	Human Health and Countermeasure
HIRU	Hemispherical Inertial Reference Unit
HLR	Human Lunar Return
HMD	Hardware Maintenance Depot
HMI	Human Machine Interface
HOPE	Human Outer Planet Exploration
HOWI	Headquarters Office Work Instructions
HPCA	Hot Plasma Composition Analyzer
HQ	Headquarters
HRP	Human Research Program

HSC	High Sensitivity Camera
HSIR	Human Systems Integration Requirements
HST	Hubble Space Telescope
HST-SM4	High Speed Transport-Service Mission 4
HW	Hardware
HZ	Habitable Zone
HZE	High-energy and High-charge Ions
I&T	Integration and Test
I&T	Integration and Testing
IA&T	Integration, Assembly and Test
IBR	Integrated Baseline Review
IC	Initial Capability
ICA	Independent Cost Analysis
ICA	Independent Cost Assessment
ICBM	Intercontinental Ballistic Missile
ICD	Interface Control Document
ICE	Independent Cost Estimate
ID	Identification
ID/IQ	Indefinite Delivery/Indefinite Quantity
IEEE	Institute of Electrical and Electronics Engineers
IESD	Internal Electrostatic Discharge
IFS	Integrated Flight Schedule
IGA	Intergovernmental Agreement
ILCR	Independent Life-cycle Review
ILN	International Lunar Network
ILT	Interlaminar Tensile
IMAGE	Imager for Magnetopause-to-Aurora Global Exploration
IMIR	Individual Member Independent Recommendation
IMIR	Individual Member Independent Report
IMM	Integrated Medical Model
IMP	Integrated Master Plan
IMS	Integrated Management System
IMS	Integrated Master Schedule
INPE	Instituto Nacional de Pesquisas Espaciais
INVAP	Investigaciones Aplicadas
IOC	Initial Operational Capability
IOC	Initial Operations Checkout
IOC	In-Orbit Checkout
IOP	Internal Operational Plan
IOT	Instrument Operations Team
IP	International Partners
IPA	Independent Program Analysis
IPA	Independent Program Assessment
IPA	Independent Programmatic Analysis
IPA	Independent Programmatic Assessment
IPAC	Infrared Processing and Analysis Center

IPAO	Independent Program Assessment Office
IPCE	Independent Program and Cost Evaluation
IPO	Integrated Program Office
IPR	Integrated Program Review
IPSR	Instrument Pre-Shipment Review
IPT	Integrated Product Team
IR	Infrared
IRAS	Infrared Astronomical Satellite
IRAS	Inter-Spacecraft Ranging and Alarm System
IRD	Information Requirements Document
IRD	Interface Requirements Document
IRIS	Interface Region Imaging Spectrograph (spacecraft)
IRMA	Integrated Risk Management Application
IRN	Interface Revision Notice
IRP	Integrated Research Plan
IRT	Independent Review Team
IS	Instrument Suite
ISA	Incident, Surprise, Anomaly
ISA	Integrated Schedule Assessment
ISE	Independent Schedule Estimate
ISPA	International Society of Parametric Analysts
ISS	International Space Station
ISSMP	International Space Station Medical Project
ISUA	Independent Schedule Uncertainty Analysis
IT	Information Technology
ITA	Independent Technical Authority
ITAR	International Traffic in Arms Regulations
ITL	Incompressible Test List
ITL	Integrated Test List
ITSP	Ionosphere-Thermosphere Storm Probes
IV	Intravehicular
IVA	Intra-Vehicular Activity
JACS	Joint Analysis Cost and Schedule
JADE	Jovian Auroral Distribution Experiment
JASD	Joint Agency Satellite Division
JAXA	Japanese Aerospace and Exploration Agency
JAXA	Japanese Aerospace Exploration Agency
JCL	Joint Confidence Level
JEDI	Jupiter Energetic Particle Detector Instrument
JHU	Johns Hopkins University
JHU/APL	Johns Hopkins University/ Applied Physics Laboratory
JIRAM	Jovian Infrared Auroral Mapper
JOI	Jupiter Orbit Insertion
JPL	Jet Propulsion Laboratory
JPO	Joint Program Office
JPOR	Joint Program Office Review

JPOR	Joint Program Office Review
JRD	Joint Requirements Document
JSC	Johnson Space Center
JSIP	Joint Surveillance Imagery Program
Juno	NASA's New Frontiers Mission to Jupiter
JWST	James Webb Space Telescope
K	Thousand
KAR	Kepler Anomaly Report
KARF	Kepler Activity Request Form
KaT	Ka-Band Translator
KCB	Kepler Control Box
KCB	Kepler Control Box
KDP	Key Decision Point
KI	Keck Interferometer
KI	Keck Interferometer
KOA	Keck Observatory Archive
KSAS	Kepler Science Analysis System
KSC	Kennedy Space Center
KSC	Kepler Science Council
L	Launch
L&L	Launch and Landing
L1	Level One
L3	Level Three
LADEE	Lunar Atmosphere and Dust Environment Explorer
LAM	Liquid Apogee Motor
LaRC	Langley Research Center
LAS	Launch Abort System
LASP	Laboratory for Atmospheric and Space Physics
LBB	Leak Before Burst
LC	Launch Campaign
LCC	Life-Cycle Cost
LCCE	Life-Cycle Cost Estimate
LCCR	Lunar Capabilities Concept Review
LCR	Life Cycle Review
LCRD	Laser Communications Relay Demonstration
LCSG	Launch Collaboration Steering Group
LDCM	Landsat Data Continuity Mission
LDE	Local Detector Electronics
LEA/0-G	Launch, Entry, and Abort /0 Gravity
LEM	Lunar Exploration Module
LEO	Low Earth Orbit
LIDAR	Light Detection and Ranging Instrument
LILL	Limited Life Items List
LIO	Low-Inclination Observatory
LISA	Laser Interferometer Space Antenna
LLCD	Lunar Laser Communications Demonstration

LM	Lockheed Martin
LM	Lunar Mission
LM	Lunar Mission
LMA	Lockheed Martin Astronautics
LMSO	Lockheed Martin Space Operations
LNA	Low Noise Amplifier
LOA	Letter of Agreement
LOC	Loss of Crew
LOE	Level of Effort
LOI	Lunar Orbit Insertion
LOM	Loss of Mission
LOOS	Launch Operations and Orbital Support
LPHTA	Low-Power High Torque Actuator
LRD	Launch Readiness Date
LRO	Lunar Reconnaissance Orbiter
LRR	Launch Readiness Review
LRR	Launch Readiness Review
LS	Launch Services
LSAH	Longitudinal Study of Astronaut Health
LSAM	Lunar Surface Access Module
LSC	Launch Services Contractor
LSDA	Life Sciences Data Archive
LSP	Launch Service Provider
LSP	Launch Services Program
LSS	Lunar Surface System
LUF	Load Uncertainty Factor
LV	Launch Vehicle
LVPS	Low-Voltage Power Supply
LVRR	Launch Vehicle Readiness Review
LWS	Living With a Star
M&O	Maintenance & Operations
M.S.	Master of Science
MA	Mission Assurance
MA	Multiple Access
MABE	Multiple Access Beamforming Equipment
MAF	Mission Assurance Forum
MAG	Magnetometer
MagEIS	Magnetic Electron Ion Spectrometer
MAM	Mission Assurance Manager
MAP	Microwave Anisotropy Probe
MAR	Mission Assurance Requirements
MAR	Multiple Access Return
MAST	Multimission Archive at Space Telescope
MC	Management Council
MCO	Mars Climate Orbiter
MCR	Mission Concept Review

MCR	Mission Confirmation Review
MD	Maryland
MD	Mission Directorate
MDAA	Mission Directorate Associate Administrator
MDPMC	Mission Directorate Program Management Council
MDR	Mission Definition Review
ME	Mechanical Engineer
MEB	Main Electronics Box
MEC	Main Engine Cover
MEP	Mars Exploration Program
MER	Mars Exploration Rover
MESSENGER	Mercury Surface, Space Environment, Geochemistry and Ranging
MFS	Microgravity Flight Services
Mgmt	Management
MGS	Mars Global Surveyor mission
MGSE	Mechanical Ground Support Equipment
MICD	Mechanical Interface Control Documents
MIDEX	Medium-Class Explorers
MIHCS	Medical Informatics and Healthcare Systems
MILSATCOM	Military Satellite Communications
MIRAGE	Map Image Rendering Database for GEoscience
MISR	Multiangle Imaging Spectro-Radiometer
MIT	Massachusetts Institute of Technology
MIVP	Master Integration and Verification Plan
MLT	Mean Local Time
MM	Mass Memory
MM	Mission Manager
MMO	Mission Management Office
MMOD	Micro Meteoroid Orbital Debris
MMRTG	Multi-Mission Radioisotope Thermoelectric Generator
MMS	Magnetospheric MultiScale
MMS	Multi-Mission Spacecraft
MoA	Memorandum of Agreement
MOC	Mission Operations Center
MOE	Measure of Effectiveness
MoO	Missions of Opportunity
MOP	Measure of Performance
MOR	Mission Objective Requests
MOR	Mission Operations Report
MOR	Mission Operations Review
MOS	Minimum Operable Segment
MosFet	Metal Oxide Semiconductor Field Effect Transistor
MOU	Memorandum Of Understanding
MPO	Mars Program Office
MPR	Monthly Program Review
MR	Management Reserve

MRB	Mission Readiness Briefing
MRO	Mars Reconnaissance Orbiter
MS	Mission Support
MSAP	Multi-Mission System Architectural Platform
MSC	Manned Spacecraft Center
MSFC	Marshall Space Flight Center
MSL	Mars Science Laboratory
MSO	Mission Support Office
MSR	Mission Support Room
MSR	Monthly Status Review
MST	Mission Scenario Test
MTBF	Mean Time Between Failure
MTR	Management Transition Review
MVM	Manufacturing Verification Model
MWR	Microwave Radiometer
N/A	Not Applicable
NAC	National Advisory Committee
NACA	National Advisory Committee for Aeronautics
NAFCOM	NASA/Air Force Cost Model
NAR	Non-Advocate Review
NASA	National Aeronautics and Space Administration
NASCA	NASA Study of Cataract in Astronauts
NASCAR	National Association For Stock Car Auto Racing
NAV	Navigation
NC	Non-Consensus Mixed Board
NCG	Noncondensible Gasses
NCR	Non Conformance Reports
NEN	NASA Engineering Network
NEPA	National Environmental Policy Act
NESC	NASA Engineering and Safety Center
NExScI	NASA Exoplanet Science Institute
NFP	New Frontiers program
NGO	Needs, Goals, Objectives
NIC	Network Interface Controller
NICM	NASA Instrument Cost Model
NID	NASA Interim Directive
NIH	National Institutes of Health
NIRCam	Near Infrared Camera
NIRST	New Infrared Sensor Technology
NISN	NASA Integrated Service Network
NLS	NASA Launch Services
NLS-B	NASA Launch Services - Boeing
NLS-L	NASA Launch Services – Lockheed
NLS-O	NASA Launch Services - Orbital
NLS-S	NASA Launch Services – SpaceX Corporation
NMP	New Millennium Program

NMSU	New Mexico State University
NOA	New Obligation Authority
NOAA	National Oceanic and Atmospheric Administration
NPD	NASA Policy Directive
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NPP	NPOESS Preparatory Project
NPR	NASA Procedural Requirement
NRA	NASA Research Announcement
NRAO	National Radio Astronomy Observatory
NRC	National Research Council
NRE	Non-Recurring Engineering
NRO	National Reconnaissance Group
NS	Network Services
NSA	National Security Agency
NSBRI	National Space Biomedical Research Institute
NSC	NASA Safety Center
NSF	NASA Science Foundation
NSSC	NASA Shared Services Center
NStED	NASA/IPAC/NExScI Star Archive and Exoplanet Database
NuSTAR	Nuclear Spectroscopic Telescope Array
O&M	Operations and Maintenance
OA	Orbit and Attitude
OAO-C	Orbiting Astronomical Observatory
OCE	Office of Chief Engineer
OCE	Office of the Chief Engineer
OCFO	Office of Chief Financial Officer
OCHMO	Office of the Chief Health and Medical Officer
OCI	Organizational Conflict of Interest
OCI/PCI	Organizational Conflict of Interest/Personal Conflict of Interest
OCIO	Office of Chief Information Officer
OCO	Orbiting Carbon Observatory
OCT	Office of the Chief Technologist
ODC	Other Direct Cost
OICD	Operations Interface Control Document
OLI	Operational Land Imager
OLV	Operational Launch Vehicle
OMB	Office of Management and Budget
OOAR	On-Orbit Acceptance
Ops	Operations
Ops	Operations
ORA	Optical Research Associates
ORR	Operational Readiness Review
ORSAT	Object Reentry Survival Analysis Tool
ORT	Operational Readiness Test
OSHA	Occupational Safety and Health Administration
OSMA	Office of Safety & Mission Assurance

OSO	Office of Space Operations
OSO	Orbiting Solar Observatory
OSTM	Ocean Surface Topography Mission
OTB	Over-Target Baseline
OTM	Orbit Trim Maneuvers
OTS	Over-Target Schedule
P	Primary
P/FR	Problem/Failure Report
P/p	Program/project
P/SDR	Program System Definition Review
P/SRR	Program System Requirements Review
PA&E	Office of Program Analysis and Evaluation
PA&E	Program Analysis and Evaluation
PAF	Payload Attach Fitting
PAG	Program Analysis Group
PAM	Payload Assist Module
PAR	Program Approval Review
PATRIOT	Phased Array Tracking Radar to Intercept of Target
PB	Presidential Budget
PBMA	Process Based Mission Assurance
PBS	Product Breakdown Structure
PCA	Project Commitment Agreement
PCA	Project Communication Agreement
PCI	Personal Conflict of Interest
pcu	Practical Salinity Unit
PDDU	Power Distribution Driver Unit
PDF	Probability Distribution/Density Functions
PDR	Preliminary Design Review
PDT	Procurement Development Team
PDU	Power Distribution Unit
PE	Program Executive
PER	Pre-Environmental Review
PER	Pre-Environmental Testing Review
PFAR	Post-Flight Assessment Review
PFM	Proto Flight Model
PFR	Problem Failure Report
PH	Propulsion Harness
PhD	Doctor of Philosophy
PI	Principal Investigator
PIMS	Program Integrated Master Schedule
PIMS	Project Information Management System
PIR	Program Implementation Review
PLAR	Post-Launch Assessment Review
PLN	Plan
PLR	Project Level Review
PLRA	Program Level Requirements Agreement

PLRA	Program Level Requirements Appendix
PLSS	Portable Life Support Subsystem
PM	Program Manager
PM	Project Management
PM	Project Manager
PMB	Performance Measurement Baseline
PMC	Project Management Council
PMD	Propellant Management Device
PMI	Project Management Institute
PMP	Project Management Professional
PMR	Program Management Review
PMR	Program Managers Recommend
PMT/SE/QA	Program Management/Systems Engineering/Quality Assurance
PNAR	Preliminary Non-Advocate Review
PNT	Positioning, Navigation, and Timing
POC	Point of Contact
POD	Point of Departure
POE	Project Office Estimate
POI	Pixels of Interest
POP	Program Operating Plan
POR	Power On Reset
PP&C	Program Planning & Control
PPAR	Preliminary Program Approval Review
PPB	Program Planning Budget
PPBE	Planning, Programming, Budgeting, and Execution
PPS	Precipitation Processing System
PPSG	Plans and Policy Steering Group
PRA	Probabilistic Risk Analysis
PRA	Probabilistic Risk Assessment
PRCB	Program Requirements Change Board
PRIO	Power Remote Input Output
PRLS	Probabilistic Resource Loaded Schedule
PRM	Period Reduction Maneuvers
PROM	Programmable Read-Only Memory
PRR	Production Readiness Review
PS	Planning and Scheduling
PSAB	PEO Space Acquisition Board
PSBR	Proton Spectrometer Belt Research
PSC	Policy and Strategic Communications
PSCM	Passive Sensor Cost Model
PSDR	Program System Definition Review
PSF	Point Spread Function
PSLA	Project Service-Level Agreement
PSR	Pre-ship Review
PSR	Program Status Review
PSR	Project Status Review

PSRE	Propulsion System Rocket Engine Life Extension
PSS	Planning and Scheduling System
PSS	Project Scheduling Support
PTE	Periapsis Timing Estimator
Q	Quarter
Q1	Quarter One
Q2	Quarter Two
Q3	Quarter Three
QA	Quality Assurance
QAE	Quality Assurance Engineer
QFN	Quad-Flatpack No-Lead
QMR	Quarterly Management Review
QMS	Quality Management System
QR	Quarterly Roll
QR	Quarterly Roll
QRA	Qualitative Risk Assessment
QRA	Quantified Risk Assessment
QS	Quality and Status Monitoring
QuikTOMS	Quik Total Ozone Mapping Spectrometer
R	Red
R	Solar Radius
R&A	Research and Analysis
R/Y/G	Red/Yellow/Green
R2P	Ready to Proceed
RAIDRS	Rapid Attack Identification, Detection, and Reporting System
RAO	Resource Analysis Office
RAO	Resource Assessment Office
RBA	Reflector Boom Assembly
RBR	Re-baseline Review
RBSP	Radiation Belt Storm Probes
RBSPICE	Radiation Belt Storm Probes Ion Composition
RCE	Reaction Control Engine
RCTS	Real-Time Command and Telemetry Systems
RE	Radiated Emissions
rec/dels	Receivables and Deliverables
REID	Risk of Exposure Induced Death
RF	Radio Frequency
RFA	Request for Action
RFI	Request for Information
RFI	Radio Frequency Interference
RFP	Request for Proposal
RFS	Radio Frequency Subsystem
RID	Review Item Discrepancy
RLEP	Robotic Lunar Exploration Program
RM	Review Manager
RMA	Reliability, Maintainability, and Availability

RMCA	Rover Motor Control Assembly
RMDR	Requirements and Mission Definition Review
RMP	Risk Management Plan
ROM	Read-Only Memory
ROM	Rough Order of Magnitude
ROM	Rough Order-of-Magnitude
ROSA	Radio Occultation Sounder for Atmosphere
RPM	Revolutions Per Minute
RPP	Reimbursable Projects Program
RPPO	Reimbursable Projects Program Office
RRD	Recommendations, Responses, and Decisions
RS	Radiated Susceptibility
RSB	Radio Science Beacon
RSDO	Rapid Spacecraft Development Office
RTG	Radioisotope Thermoelectric Generator
RWA	Reaction Wheel Assembly
RXTE	Rossi X-ray Timing Explorer
RY	Real Year
RYG	Red Yellow Green
S	Secondary
S&MA	Safety and Mission Assurance
S/A	Solar Array
S/C	Spacecraft
S/N	Signal-to-Noise Ratio
S/P	Service Platform
S/S	Subsystem
S/W	Software
SA	Schedule Assessment
SA	Single Access
Sa/SPaH	Sample Acquisition, Processing, and Handling
SAC	Satélite de Aplicaciones Científicas
SACP	Software and Avionics Control Panel
SAF	
SAIC	Science Applications International Corporation
SAIL	Shuttle Avionics Integration Laboratory
SAM	Sample Analysis at Mars
SAMPEX	Solar, Anomalous, and Magnetospheric Particle Explorer
SAO	Smithsonian Astrophysical Observatory
SAR	System Acceptance Review
SAS	Science Analysis System
SAVIO	Software and Avionics Integration Office
SBIRS	Space-Based Infrared System
SBU	Sensitive But Unclassified
SCA	Spacecraft A
SCaN	Space Communications and Navigation
SCB	Spacecraft B

SCEA	Society of Cost Estimating and Analysis
SCISAT	Scientific Satellite
SCL	Schedule Confidence Level
SCP	Stellar Classification Program
SDBI	Short Duration Biological Investigation
SD-GS	SAC-D Ground System
SDL	Space Dynamics Laboratory
SDO	Solar Dynamics Observatory
SDR	System Definition Review
SDR	Systems Design Review
SDS	Science Data Systems
SDST	Small Deep Space Transponder
SE	Systems Engineer
SE	Systems Engineering
SE&I	Systems Engineering and Integration
SEC	Sun-Earth Connection
SEIT/PM	Systems Engineering, Integration, and Test/Project Management
SELVS	Small Expendable Launch Services
SEM	Software Estimation Model
SEM	Systems Engineering Management
SEMP	System Engineering Management Plan
SERB	Space Experiments Review Board
SERV	Safety Enhanced Reentry Vehicle
SET	Systems Engineering Team
SET-1	Space Environment Testbed-1
SETI	Search for Extra-Terrestrial Intelligence
SEU	Single-Event Upset
SF	Structural Safety Factor
SGLT	Space-Ground Link Terminal
SGSS	SN (Space Network) Ground Segment Sustainment
SHFH	Space Human Factors and Habitability
SHM	Scalar Helium Magnetometer
SI units	International System units
SI&T	System Integration and Test
SIB	Systems Integration Board
SID	Strategic Investment Division
SIL	System Integration Laboratory
SINDA	Systems Improved Numerical Differencing Analyzer
SIP	Subsystem Implementation Plan
SIR	System Integration Review
SIRTF	Space Infrared Telescope Facility
SIT	System Integration and Test
SLC	Spacecraft Launch Complex
SLC-2	Space Launch Complex 2
SLOC	Source Lines of Code
SLSD	Space Life Sciences Directorate

SMA	Schedule Management Architecture
SMA	Science Monitoring Area
SMA	Spin Mechanism Assembly
SMAP	Soil Moisture Active and Passive
SMART	Supplementary Mission Advisory & Risk Team
SMC	Space and Missile Center
SMD	Science Mission Directorate
SMD PMC	Science Mission Directorate Program Management Council
SMD	Safety Mission Directorate
SMD	Science Mission Directorate
SMD	Science Mission Directorate
SME	Subject Matter Expert
SMEX	Small Explorers
SMM	Solar Maximum Mission
SMO	Supplemental Medical Objective
SMO	Systems Management Office
SMP	Science Management Plan
SMS	Space Motion Sickness
SMSR	Safety and Mission Success Review
SMT	Schedule Management Team
SMTF	Software Maintenance and Training Facility
SN	Space Network
SNET	Start No Earlier Than
SNP	Schedule Management Plan
SO	Science Office
SOC	Science Operations Center
SOCM	Space Operations Cost Model
SOFIA	Stratospheric Observatory For Infrared Astronomy
SOMD	Space Operations Mission Directorate
SOPI	Standard Operating Procedure Instruction
SOW	Statement of Work
SPF	Single Point Failure
SPI	Schedule Performance Index
SPI	Science Principal Investigator
SPIDER	Scalable Processor-Independent Design for Extended Reliability
SPMC	Science Division Program Management Council
SPP	Solar Probe Plus
SR	Sufficiency Review
SR&QA	Safety, Reliability, and Quality Assurance
SRA	Schedule Risk Analysis
SRB	Standing Review Board
SRD	Schedule Risk Discussion
SRM	Systems Review Manager
SRO	Systems Review Office
SRQA	Safety, Reliability & Quality Assurance
SRR	System Requirements Review

SRS	Sally Ride Science
SRU	Stellar Reference Unit
SSB	Space Support Building
SSCAG	Space Systems Cost Analysis Group
SSE	Subsystem Engineers
SSIRU	Scalable Space Inertial Reference Unit
SSMAP	System Safety & Mission Assurance Plan
SSPA	Solid-State Powered Amplifier
SSR	Solid State Recorder.
SSS	Sea Surface Salinity
ST	Science Team
STAT	Schedule Test and Assessment Tool
STB	System Test Bed
STD	Scientific and Technical Document
STDT	Science and Technology Definition Team
STEREO	Solar Terrestrial Relations Observatory
STI	Servicios Tecnológicos Integrados
STL	Spacecraft Test Laboratory
STP	Solar Terrestrial Probes
STP	Space Test Program
STRATCOM	Strategic Command
STS	Space Transportation System
STS	System Technology Solution
STScI	Space Telescope Science Institute
STT	Static Thermal Test
STU	Secure Telephone Unit
STV	Static Test Vehicle
SUA	Schedule Uncertainty Analysis
SUPROM	Start Up Programmable Read Only Memory
SUROM	Start Up Read Only Memory
SV	Space Vehicle
SVP	Structure Verification Plan
SVT	System Verification Test
SW	Software
SwRI	Southwest Research Institute
SWTB	Software Test Bench
T&V	Testing and Verification
T/C	Thermocouple
T/V RIO	Temperature/Voltage Remote Input Output
T/V	Test Vehicle
TA	Technical Authority
TAWS	Test Anomaly Worksheets
TAYF	Test-As-You-Fly
TBC	To Be Confirmed
TBC	To Be Coordinated
TBD	To Be Determined

TBD	To Be Developed
TBR	To Be Resolved
TBR	To-Be-Requested
TCE	Threshold Crossing Event
TCERT	Threshold Crossing Event Review Team
TCM	Trajectory Correction Maneuvers
TCPI	To Complete Cost Performance Indicator
TDP	Technology Demonstration Package
TDRS	Tracking Data and Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TDRSS-H	Tracking and Data Relay Satellite System-H
TDS	Time Distribution System
TES	Thermal Enclosure System
THEMIS	Time History of Events and Macroscale Interactions
TIM	Technical Interchange Meetings
TIMED	Thermosphere Ionosphere Mesosphere Energetics and Dynamics
TIMED-SABER	Thermosphere, Ionosphere, Mesosphere Energetics and Dynamics-Sounding of the Atmosphere Using Emission Radiometry
TIRS	Thermal Infrared Sensor
TLE	Two-Line Elements
TLI	Technology Level Index
TMA-1	Tycho Magnetic Anomaly
TMC	Technical, Management, and Cost
TMCO	Technical, Management, Cost, and Other
TMG	Thermal Micrometeoroid Protection Garment
TO	Task Order
TOCC	TDRS Operations Control Center
TOF	Time of Flight
ToR	Terms of Reference
TPM	Technical Performance Measure
TPM	Technology Performance Measure
TPS	Thermal Protection System
TRASYS	Thermal Radiation Analyzer System
TRL	Technical Readiness Level
TRL	Technology Readiness Level
TRL	Test Readiness Level
TRM	Transmit/Receive Module
TRMM	Tropical Rainfall Measurement Mission
TRR	Test Readiness Review
TSA	TPS Support Assembly
TSE	TDRS Spacecraft Emulator
TSF	Transition to Science Formulation
TSM	Transition to Science Formation Phase Maneuvers
TT&C	Telemetry, Tracking and Command
TV	Thermal Vacuum
TVAC	Thermal Vacuum

TY	Total Year
U.S.	United States
UB	Undistributed Budget
UCLA	University of California, Los Angeles
UFE	Unallocated Future Expenses
UHF	Ultra High Frequency
ULA	United Launch Alliance
UNEX	University-Class Explorers
US	United States
USAF	United States Air Force
USAFROTC	United States Air Force Reserve Officers Training Corps
USCM	Unmanned Space Cost Model
USCM8	Unmanned Space-Vehicle Cost Model 8
USGS	United States Geological Survey
USN	Universal Space Network
USO	Ultra-Stable Oscillator
UTC	United Technologies Corporation
UTC	Universal Time Coordinated
UVS	Ultraviolet Imaging Spectrometer
V&V	Verification and Validation
VAB	Vehicle Assembly Building
VAFB	Vanderberg Air Force Base
VERITAS	Very Energetic Radiation Imaging Telescope Array System
VIE	Vehicle Interface Element
VIH	Vehicle Interface Hardware
VOS	Vehicle on Standby
VSS	Vehicle Service Structure
WAD	Work Authorization Document
WAVES	Plasma and Radio Waves Investigation
WBS	Work Breakdown Schedule
WBS	Work Breakdown Structure
WG	Working Group
WGS	Wideband Global SATCOM
WISE	Wide-Field Infrared Survey Explorer
WRP	Wide Range Pump
WSC	White Sands Complex
WSDC	WISE Science Data Center
WSDS	WISE Science Data System
WSTB	Work station test bed
WTR	Western Test Range
WYE	Workyear Equivalent
XMM-Newton	X-ray Multi-Mirror Mission – Newton
XTB	Extra test bed
Y	Yellow
YTD	Year-To-Date