ACRONYMS AND ABBREVIATIONS

21CSLC	21st Century Space Launch Complex
AA	Associate Administrator
AAAC	Astronomy and Astrophysics Advisory Committee
ACCESS	Advanced Collaborative Connections for Earth System Science
ACE	Advanced Composition Explorer
ACRIMSat	Active Cavity Radiometer Irradiance Monitor Satellite
ACS	Advanced Camera for Surveys (Hubble Space Telescope instrument)
ACT	Advanced Component Technologies
ADA	Americans with Disabilities Act
ADAP	Astrophysics Data Analysis Program
ADCAR	Astrophysics Data Curation and Archival Research
ADS	Astrophysics Data System
AES	Advanced Exploration Systems
AFOSR	Air Force Office of Scientific Research
AFRL	Air Force Research Laboratory
AIM	Aeronomy of Ice in the Mesosphere
AirMOSS	Airborne Microwave Observatory of Subcanopy and Subsurface
AIRS	Advanced Infrared Sounder
AITS	Agency Information Technology Services
ALHAT	Autonomous Landing and Hazard Avoidance Technology
ALI	Advanced Land Imager
AMMOS	Advanced Multi-Mission Operations System
AMMP	Aircraft Maintenance and Modification Program
AMO	Agency Management and Operations
AMS	Alpha Magnetic Spectrometer
AMSR-E	Advanced Microwave Scanning Radiometer for the Earth Observing System
AMSU	Advance Microwave Sounding Unit
AO	Announcement of Opportunity
APPEL	Academy of Program/Project and Engineering Leadership
APRET	Astrophysics Research and Enabling Technology program (replaces APRA)
APG	Annual Performance Goal
APL	Applied Physics Laboratory (Johns Hopkins University)
APMC	Agency Program Management Council
APRA	Astrophysics Research and Analysis
ARC	Ames Research Center
ARCD	Aerospace Research and Career Development
ARMD	Aeronautics Research Mission Directorate

ACRONYMS AND ABBREVIATIONS

ARTEMIS	Acceleration, Reconnection, Turbulence and Electrodynamics of the Moon's Interaction with the Sun
ASAP	Aerospace Safety Advisory Panel
ASCENDS	Active Sensing of Carbon dioxide Emissions over Nights, Days and Seasons
ASEB	Aeronautics and Space Engineering Board of the National Academies
ASP	Airspace Systems Program
ASPERA-3	Analyzer of Space Plasma and Energetic Atoms-3
ASMP	Aeronautics Strategy and Management Program
ASTER	Advanced Spaceborne Thermal Emission Reflection Radiometer
ATD	Air Traffic Management Technology Demonstration
ATK	Alliant Techsystems Inc.
ATLO	Assembly, Test, Launch Operations
ATMS	Advanced Technology Microwave Sounder (NPOESS Preparatory Project instrument)
ATP	Aeronautics Test Program
ATP	Astrophysics Theory Program
ATTREX	Airborne Tropical Tropopause Experiment
ATV	Automated Transfer Vehicle
AU	Astronomical Units
AURA	Association of Universities for Research in Astronomy
AvSP	Aviation Safety Program
BA	Budget Authority
BAA	Broad Agency Announcement
BATC	Ball Aerospace and Technology Corporation
BHP	Behavioral Health and Performance
BIRA	Belgian Space Agency
BMAR	Back-log Maintenance and Repair
BPR	Baseline Performance Review
BRIC	Biological Research In Canisters
BTA	Boilerplate Test Article
BWB	Blended Wing Body
C2NOC	Consolidated Corporated Network Operations Center
C3S	Command, Control, and Communication Segment
CADRe	Cost Analysis Data Requirement
CALIOP	Cloud-Aerosol Lidar with Orthogonal Polarization
CALIPSO	Cloud–Aerosol Lidar and Infrared Pathfinder Satellite Observations
CARA	California Association for Research in Astronomy
CARVE	Carbon in Arctic Reservoirs Vulnerability Experiment

ACRONYMS AND ABBREVIATIONS

CAS	Cross-Agency Support
CASIS	Center for the Advancement of Science in Space
CAST	Commercial Aviation Safety Team
CC	Centennial Challenges Program
CCAFS	Cape Canaveral Air Force Station
CCDev	Commercial Crew Development
CCMC	Community Coordinated Modeling Center
CCP	Commercial Crew Program
CCS	Cuts, Consolidations, and Savings
CCSP	Climate Change Science Program
CDC	Centers for Disease Control
CDR	Critical Design Review
CECR	Construction and Environmental Compliance and Restoration
CEOS	Committee on Earth Observation Satellites (LaRC)
CERES	Clouds and the Earth's Radiant Energy System
CESR	Centre d'Etude Spatiale des Rayonnements Mars exploration
CFD	Computational Fluid Dynamics
CFO	Chief Financial Officer
ChemCam	Chemistry Camera
CHS	Crew Health and Safety
CIDP	Central Instrument Data Processor
CIF	Center Innovation Fund Program
CINDI	Coupled Ion Neutral Dynamics Investigation
CIO	Chief Information Officer
CIPAIR	Curriculum Improvements Partnership Award for the Integration of Research
CJ	Congressional Justification (Budget)
CL	Confidence Level
CLARREO	Climate Absolute Radiance and Refractivity Observatory
CLSRB	Current Launch Schedule Review Board
CMC	Ceramic Matrix Composites
CME	Coronal Mass Ejection
CMO	Center Management Operations
CMS	Carbon Monitoring System
CNES	Centre Nationale D’Etudes Spatiale (French Space Agency)
CO2	Carbon Dioxide
CoF	Construction of Facilities
CONAE	Argentina’s National Committee of Space Activities

ACRONYMS AND ABBREVIATIONS

CoNNeCT	Communications, Navigation, and Networking reConfigurable Test Bed
CoSTEM	OSTP interagency Committee on STEM Education
COTS	Commercial Orbital Transportation Services
CPS	Cryogenic Propulsion Stage
CPST	Cryogenic Propellant Storage and Transfer
CPU	Computer Processing Units
CRF	Capability Reliance Framework
CRI	Center for Rotorcraft Innovation
CRS	Commercial Resupply Services
CrIS	Cross-track Infrared Sounder (NPOESS Preparatory Project instrument)
CRYOSTAT	Cryogenic Propellant Storage And Transfer
CSA	Canadian Space Agency
CSC	Computer Sciences Corporation
CSLE	Civil Service Labor and Expenses
CSTD	Crosscutting Space Technology Development
CT	Crawler Transporter
CTC	Chief Technologist Council
CTS	Crew Transportation System
CY	Calendar Year
CSPE	Colorimetric Solid Phase Extraction
DAAC	Distributed Active Archive Centers
DAN	Dynamic Albedo of Neutrons
DARPA	Defense Advanced Research Projects Agency
Dawn	NASA Science Mission Directorate Discovery Program Mission
DCAA	Defense Contract Audit Agency
DCMA	Defense Contract Management Agency
DDT&E	Design, Development, Test, and Evaluation
DESDynI	Deformation, Ecosystem Structure, and Dynamics of Ice
DFRC	Dryden Flight Research Center
DISCOVER-AQ	Deriving Information on Surface Conditions from Column and Vertically Resolved Observations Relevant to Air Quality
DIXI	Deep Impact Extended Investigation
DLR	Deutches Zentrum für Luft- Raumfahrt (German Aerospace Center)
DME	Development, Modernization, and Enhancement
DoD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior

ACRONYMS AND ABBREVIATIONS

DORIS	Doppler Orbitography by Radiopositioning Integrated by Satellite (Ocean Surface Topography Mission instrument)
DOT	Department of Transportation
DPMC	Directorate Program Management Council
DPR	Dual-frequency Precipitation Radar (Global Precipitation Measurement instrument)
DR	Decommissioning Review
DRS	Disturbance Reduction System
DSAC	Deep Space Atomic Clock
DSI	Deutsches SOFIA Institut
DSN	Deep Space Network
DSS	Deep Space Station
DTN	Disruption Tolerant Networking
EAI	Excalibur Almaz, Inc.
eTS	(Federal) e-Travel Services, to migrate to a new service provider (eTS2)
E/PO	Education and Public Outreach
ECR	Environmental Compliance and Restoration
ECT	Energetic Particle, Composition and Thermal Plasma
ED	Department of Education
ED	NASA Education
EDA	En Route Descent Advisor
EDL	Entry, Descent, and Landing
EDLT	Entry, Descent and Landing Technologies
EDR	Environmental Data Record
EEE	Evolution of EOSDIS Elements
EELV	Evolved Expendable Launch Vehicle
EEO	Equal Employment Opportunities
EFW	Electric Field and Waves Instrument
EFT	Exploration Flight Test
EGS	Exploration Ground Systems
EHRS	Electronic Health Records System
ELC	ExPRESS Logistics Carrier
ELV	Expendable Launch Vehicle
ELVIS	ELV Integrated Support
EM	Engineering Model
EM2	Electronics Box Engineering Model 2
EMFISIS	Electric and Magnetic Field Instrument Suite and Integrated Science
EMTGO	ExoMars Trace Gas Orbiter
EO	Equal Opportunity

ACRONYMS AND ABBREVIATIONS

EO-1	Earth Observing-One Mission
EONS	Education Opportunities in NASA STEM
EOS	Earth Observing System
EOSDIS	Earth Observing System Data and Information System
EMTGO	ExoMars Trace Gas Orbitor
EPA	Environmental Protection Agency
EPMA	Evaluation, Performance Monitoring, and Accountability (NASA, Education)
EPOCh	Extrasolar Planet Observations and Characterization
EPOXI	Extrasolar Planet Observation and Deep Impact Extended Investigation
EPSCoR	Experimental Program to Stimulate Competitive Research
ERA	Environmentally Responsible Aviation
ERD	Exploration Research and Development
ERV	Earth Return Vehicle
ESA	European Space Agency
ESD	Earth Science Division
ESD	Exploration Systems Development
ESDR	Earth System Data Records
ESM	Earth Systematic Missions
ESMD	Exploration Systems Mission Directorate
ESMP	Earth Systematic Missions Program
ESS	Earth Science Subcommittee (of the NASA Advisory Committee)
ESSP	Earth System Science Pathfinder
ESTO	Earth Science Technology Office
ESTP	Earth Science Technology Program
ETD	Exploration Technology Development
ETDD	Enabling Technology Development and Demonstration
ETM+	Enhanced Thematic Mapper Plus
ETU	Engineering Test Unit
EUL	Enhanced Use Lease
EUMETSAT	European Meterological Satellite
EUV	Extreme Ultraviolet Variability
EV	Earth Venture
EVA	Extravehicular Activity
EVE	EUV Variability Experiment
EVi	Earth (Science) Venture Class Instruments for orbital missions of opportunity
EUV	Extreme UltraViolet
EVS	Earth (Science) Venture Class Sub-orbital projects

ACRONYMS AND ABBREVIATIONS

EVS	Employee Viewpoint Survey
EX	Explorer Missions
ExEP	Exoplanet Exploration Program
EXES	Echelon-Cross-Echelle Spectrograph
ExMC	Exploration Medical Capability
EXPRESS	EXpedite PRocessing of Experiments to the Space Station
FA	Fundamental Aeronautics
FAA	Federal Aviation Administration
FAP	Fundamental Aeronautics Program
FAR	Federal Acquisition Regulation
FCC	Federal Communications Commission
FCF	Fluids and Combustion Facility (ISS)
FGM	Fluxgate Magnetometer (Thermal Emission Imaging System instrument)
FGS	Fine Guidance Sensor
FGS-TF	Fine Guidance Sensor - Tunable Filter
FIE	Formal and Informal Education (NASA, Education)
FIFI LS	Field Imaging Far-Infrared Line Spectrometer
FINESSE	First Infrared Exoplanet Spectroscopy Survey Explorer
FLEX-2	FLame Extinguishment EXperiment-2
FLITECAM	First Light Infrared Test Experiment Camera
FMI	Finnish Meteorological Institute
FO	Follow On (to a mission)
FOIA	Freedom of Information Act
FOR	Flight Operations Review
FORCAST	Faint Object InfrRed CAmera for the SOFIA Telescope
FPA	Focal Plane Array
FPD	Flight Projects Directorate
FPI	Fast Plasma Investigation
FRR	Flight Readiness Review
FTE	Full Time Equivalency
FUV	Far Ultraviolet
FY	Fiscal Year
GALEX	Galaxy Evolution Explorer
GAO	Government Accountability Office
GCD	Game Changing Development
GEMS	Gravity and Extreme Magnetism
GEO	Geostationary Earth Orbit
GES DAAC	GSFC Earth Science Distributed Active Archive Center

ACRONYMS AND ABBREVIATIONS

GeV	Gigaelectron volt
GLAS	Geoscience Laser Altimeter System
GLAST	Gamma–ray Large Area Space Telescope (now Fermi Gamma-ray Space Telescope)
GLOBE	Global Learning and Observations to Benefit the Environment
GMI	GPM Microwave Imager (Global Precipitation Measurement instrument)
GOES	Geostationary Operational Environmental Satellite
GPM	Global Precipitation Measurement
GPRA	Government Performance and Results Act
GPS	Global Positioning System
GRACE	Gravity Recovery and Climate Experiment
GRAIL	Gravity Recovery and Interior Laboratory
GRC	Glenn Research Center
GRC-PBS	Glenn Research Center–Plum Brook Station
GREAT	German Receiver for Astronomy at Terahertz
GRGT	Guam Remote Ground Terminal
GRIP	Genesis and Rapid Intensification Processes
GSDO	Ground Systems Development and Operations
GSFC	Goddard Space Flight Center
GTA	Ground Test Article
GUSSTO	Galactic/Xgalactic Ultra long duration balloon Spectroscopic Stratospheric THz Observatory
GWAC	Government Wide Acquisition Contracts
HAVT	Hypersonic Air-breathing Vehicle Technologies
HAWC	High-resolution Airborne Wideband Camera
HBCU	Historically Black Colleges and Universities
HCPA	Hot Plasma Composition Analyzer
HEC	Human Exploration Capability
HECC	High End Computing Capability
HEO	Human Exploration and Operations
HEOMD	Human Exploration and Operations Mission Directorate
HEPS	High Efficiency Power Supply (MAVEN)
HET	Human Exploration Telerobotics
HgCdTe	Mercury-Cadmium-Telluride (type of array used in many instruments)
HHC	Health and Human Countermeasures
HH&P	Human Health & Performance
HIAD	Hypersonic Inflatable Aerodynamic Decelerator
HIPAA	Health Insurance Portability and Accountability Act
HIPO	High-speed Imaging Photometer for Occultation

ACRONYMS AND ABBREVIATIONS

HIRDLS	High Resolution Dynamic Limb Sounder
HIRES	High Resolution Echelle Spectrometer
HIRS	High Resolution Infrared Radiation Sounder
HIS	Heavy Ion Sensor
HITL	Human-in-the-loop
HiVHAc	High Voltage Hall Accelerator
HLV	Heavy Lift Vehicle
HPIW	High Pressure Industrial Water
HPPG	High Priority Performance Goal
HQ	NASA Headquarters
HRJ	Hydro-treated Renewable Jet
HRP	Human Research Program
HSFO	Human Space Flight Operations
HSPD	Homeland Security Presidential Directive
HST	Hubble Space Telescope
HTV	H-II Transfer Vehicle
HypIRI	Hyperspectral Infrared Imager
I&T	Integration and Test
I3P	Information Technology Infrastructure Integration Program
IASI	Infrared Atmospheric Sounding Interferometer
IBEX	Interstellar Boundary Explorer
IBPD	Integrated Budget and Performance Document
ICA	Innovative Concepts for Aviation
IceBridge	NASA Science Airborne mission
ICESat	Ice, Cloud, and Land Elevation Satellite
ICEScape	Impacts of Climate change on the Eco-Systems and chemistry of the arctic pacific environment
ICRP	Independent Comprehensive Review Panel
IDIQ	Indefinite Date/Indefinite Quantity
IDPS	Interface Data Processing Segment
IE	Innovations in Education (NASA, Education)
IG	Inspector General
IIR	Imaging Infrared Radiometer
ILN	International Lunar Network
INKSNA	Iran-North Korea-Syria Non-proliferation Act
INPE	Brazilian Institute for Space Research
INTA	Instituto Nacional de Técnica Aerospacial
IPWG	Interagency Partnerships Working Group
IPAC	Infrared Processing and Analysis Center

ACRONYMS AND ABBREVIATIONS

IPAO	Independent Program Assessment Office
IPCC	International Panel on Climate Change
IPO	Integrated Program Office
IPP	Innovative Partnerships Program
IPWG	Interagency Partnerships Working Group
IR	Infrared
IRAC	Integrated Resilient Aircraft Controls
IRIS	Interface Region Imaging Spectrograph
IRR	Investigation Readiness Reviews
IRSA	NASA/IPAC Infrared Science Archive
IRT	Independent Review Team
ISAS	Institute of Space and Astronautical Science
ISIM	Integrated Science Instrument Module
ISP	In-Space Propulsion
ISRO	Indian Space Research Organisation
ISRP	Integrated Systems Research Program
ISRU	In-Situ Resource Utilization
ISS	International Space Station
ISSMP	International Space Station Medical Project
ISTP	International Solar Terrestrial Physics program (includes the satellites; Wind, Geotail, Polar, SoHO and Cluster projects)
IT	Information Technology
ITIL	Information Technology Infrastructure Library
IUVS	Imaging UltraViolet Spectrometer
IV	intravenous
IV&V	Independent Verification and Validation
IXO	International X-ray Observatory
J-2X	Upper Stage Engine (Pratt & Whitney Rocketdyne, Inc)
JADE	Jovian Auroral Distributions Experiment
JAXA	Japan Aerospace Exploration Agency
JCL	Joint Confidence Level (cost and schedule)
JDEM	Joint Dark Energy Mission
JEDI	Jupiter Energetic particle Detector Instrument
JHU	John Hopkins University
JHU-APL	Johns Hopkins University–Applied Physics Laboratory
JPDO	Joint Planning and Development Office
JPF	Jenkins Pre-Doctoral Fellowship
JPL	Jet Propulsion Laboratory
JPSS	Joint Polar Satellite System

ACRONYMS AND ABBREVIATIONS

JSC	Johnson Space Center
JWST	James Webb Space Telescope
JRPA	Joint Robotic Precursor Activities
KDP	Key Decision Point (review)
KI	Keck Interferometer
KSA	Keck Single Aperture
KSC	Kennedy Space Center
L2	Second Sun-Earth Libration, or Lagrange Point
L3	L-3 Communications Corporation
LADEE	Lunar Atmosphere and Dust Environment Explorer
LANCE	Land Atmosphere Near real-time Capability for EOS
LaRC	Langley Research Center
LASCO	Large Angle and Spectrometic Coronagraph
LASER	Lunar Advanced Science and Exploration Research
LASP	Laboratory for Atmospheric and Space Physics (University of Colorado, Boulder)
LBT	Large Binocular Telescope
LBTI	Large Binocular Telescope Interferometer
LC	Launch Complex
LCAS	Low-Cost Access to Space
LCC	Life Cycle Cost
LCCE	Life Cycle Cost Estimate
LcPSO	Land cover Project Science Office
LCRD	Laser Communications Relay Demonstration
LDEX	Lunar Dust EXperiment
LDCM	Landsat Data Continuity Mission
LDSD	Low Density Supersonic Decelerators
LDT	Long Duration Test
LEED	Leadership in Energy and Environment Design
LEO	Low Earth Orbit
LH2	Liquid Hydrogen
LISA	Laser Interferometer Space Antenna
LL	Lincoln Laboratory
LLC	Limited Liability Company
LLCD	Lunar Laser Communications Demonstration
LM	Lockheed Martin
LoB	Lines of Business
LOX	Liquid Oxygen
LPW	Lunamuir Probe and Waves

ACRONYMS AND ABBREVIATIONS

LQP	Lunar Quest Program
LRD	Launch Readiness Date
LRO	Lunar Reconnaissance Orbiter
LRR	Launch Readiness Review
LSAH	Lifetime Surveillance of Astronaut Health
LSP	Launch Services Program
LTO	LTO NOx subsonic
LV	Launch Vehicle
LVC	Live, Virtual, Constructive
LWS	Living with a Star
$M	Dollars in Millions
M3	Moon Mineralogy Mapper
MA	Multiple Access
MACPEX	Mid-latitude Airborne Cirrus Properties Experiment
MAF	Michoud Assembly Facility (NASA, managed by MSFC)
MagEIS	Magnetic Electron Ion Spectrometer instruments
MAV	Mars Assent Vehicle
MAVEN	Mars Atmosphere and Volatile EvolutioN
HAZMAT	Hazardous Materials
MCR	Mission Concept Review
MD	Mission Directorate
MDR	Mission Definition Review
MDSA	Multi-sensor Data Synergy Advisor
MEaSUREs	Making Earth System data records for Use in Research Environments
MEDLI	Mars Science Laboratory Entry, Descent, and Landing Instrument
MER	Mars Exploration Rover
MESSENGER	Mercury Surface, Space Environment, Geochemistry and Ranging
METI	Ministry of Economy Trade and Industry (Japan)
MEX	Mars Express
MI	Minority serving Institutions
MIB	Mishap Investigation Board
MICINN	Spanish Space Agency
MIDEX	Medium-Class Explorer
MIRI	Mid-infrared Instrument (James Webb Space Telescope instrument)
MISSE-X	Materials International Space Station Experiment-X
MISR	Multi-angle Imaging SpectroRadiometer
MIT	Massachusetts Institute of Technology
MLM	Multipurpose Laboratory Module

ACRONYMS AND ABBREVIATIONS

MLS	Microwave Limb Sounder
MMEEV	Multi-Mission Earth Entry Vehicle
MMO	Mars Mission Operations
MMOD	Micrometeoroid / Orbital Debris
MMS	Magnetospheric MultiScale
MMSEV	Multi-Mission Space Exploration Vehicle
MO	Missions of Opportunity
MODIS	Moderate Resolution Imaging Spectroradiometer
MOE	Mission Operations Element
MOPITT	Measurements of Pollution in the Troposphere
MOU	Memorandum of Understanding
MPAR	Major Program Annual Report
MPCV	Multi-Purpose Crew Vehicle
MRI	Magnetic Resonance Imaging
MRO	Mars Reconnaissance Orbiter
MRR	Mission Requirement Request
MSA	MUREP Small Activities
MSFC	Marshall Space Flight Center
MSL	Mars Science Laboratory
MSS	Magnetospheric MultiScale
MUREP	Minority University Research and Education Project
MUSS	Multi-User Systems and Support
MUST	Motivating Undergraduates in Science and Technology
MWR	Microwave Radiometer
NAC	NASA Advisory Committee
NACA	National Advisory Committee on Aeronautics
NAR	Non-Advocacy Review
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NASDA	National Space Development Agency of Japan
NCAS	NASA Contract Assurance Services
NC2MS	NICS Consolidated Configuration Management System
NCI	National Cancer Institute (National Institutes of Health)
NCMS	NICS Configuration Management System
NEBULA	NASA's Cloud Computing Platform
NEN	Near Earth Network
NEO	Near-Earth Object
NEOO	Near-Earth Object Observations

ACRONYMS AND ABBREVIATIONS

NEOWISE	Near-Earth Object Wide-field Infrared Survey Explorer
NES	NASA Explorer Schools
NESC	NASA Engineering and Safety Center
NETS	NASA Educational Technology Services
NextGen	Next Generation Air Transportation System
NEXT	NASA Evolutionary Xenon Thruster
NExScI	NASA Exoplanet Science Institute
NGAS	Northrup Grumman Aerospace Systems
NGIMS	Neutral Gas and Ion Mass Spectrometer
NGO	Non-Governmental Organization
NGST	Northrop Grumman Space Technology
NH	Northern Hemisphere
NIAC	NASA Innovative Advanced Concepts
NICE	NASA Innovations in Climate Education
NICER	Neutron star Interior Composition ExploreR
NICS	NASA Information Configuration Services
NIH	National Institute for Health
NIR	Near-Infrared
NIRCam	Near-Infrared Camera
NIRSpec	Near-Infrared Spectrometer
NISN	NASA Integrated Services Network
NIVR	Netherlands Agency for Aerospace Programs
NLR	National Aerospace Laboratory of the Netherlands
NLS	NASA Launch Services
NLSI	NASA Lunar Science Institute
NMS	Neutral Mass Spectrometer
NMSU	New Mexico State University
NOAA	National Oceanic and Atmospheric Administration
NO2	Nitrogen Dioxide
NOx	Nitrogen Oxide
NPAT	National Partnership for Aeronautic alTesting
NPD	NASA Policy Directive
NPO	Non-Profit Organization
NPOESS	National Polar–orbiting Operational Environmental Satellite System
NPP	Suomi National Polar orbiting Partnership (new name for NPOESS)
NPR	NASA Procedural Requirement
NRA	NASA Research Announcement
NRC	National Research Council

ACRONYMS AND ABBREVIATIONS

NRCC	National Research Council Canada
NRL	Naval Research Laboratory
NRO	National Reconnaissance Office
NRPTA	National Rocket Propulsion Test Alliance
NSBRI	National Space Biomedical Research Institute
NSC	NASA Safety Center
NSF	National Science Foundation
NSPD	National Space Policy Directive
NSSC	NASA Shared Services Center
NSSDC	National Space Science Data Center
NSTC	National Science and Technology Council
NSTI-MSI	NASA Science and Technology Institute for Minority Serving Institutions
NSWPC	National Space Weather Program Council
NTC	NASA Technical Capabilities
NTDC	NASA Technical Capabilities Database
NTEC	NASA Technology Executive Council
NTIA	National Telecommunications and Information Administration
NuSTAR	Nuclear Spectroscopic Telescope Array
NUV	Near Ultraviolet
NWP	Numerical Weather Prediction
O2	Oxygen
OA	Office of Audits
OCAMS	OSRISIS-REx Camera Suite
OCE	Office of the Chief Engineer
OCFO	Office of Chief Financial Officer
OCHMO	Office of the Chief Health and Medical Officer
OCIO	Office of Chief Information Officer
OCO	Orbiting Carbon Observatory
OCT	Office of the Chief Technologist
OGC	Office of General Counsel
OHCM	Office of Human Capital Management
OI	Office of Investigations
OIG	Office of Inspector General
OIIR	Office of International and Interagency Relations
OLA	OSIRIS-REx Laser Altimeter
OLI	Operational Land Imager (Landsat Data Continuity Mission instrument)
OLS	Operational Linescan System
OMB	Office of Management and Budget

ACRONYMS AND ABBREVIATIONS

OMC	Operations Management Council
OM&DA	Other Mission and Data Analysis
OMEGA	Offshore Membrane Enclosures for Growing Algae
OMI	Ozone Monitoring Instrument
OMPS	Ozone Mapping and Profiler Suite (NPOESS Preparatory Project instrument)
ONERA	Office National d'Études et de Recherches Aérospatiales
OPF	Orbital Processing Facility
OPM	Office of Personnel Management
ORR	Operations Readiness Review
OSC	Orbital Sciences Corporation
OSCAT	Indian Space Agency's scatterometer instrument
OSHA	Occupational and Safety and Health Administration
OSI	Office of Strategic Infrastructure
OSIRIS-REx	Origins-Spectral Interpretation-Resource Identification-Security-Regolith Explorer
OSMA	Office of Safety and Mission Assurance
OSP	Orbital / Suborbital Program (of the USAF)
OSTM	Ocean Surface Topography Mission
OSTP	Office of Science and Technology Policy
OSTST	Ocean Surface Topography Science Team
OTE	Optical Telescope Element
OTES	OSIRIS-REx Thermal Emission Spectrometer
OTIS	Optical Telescope Element/ Integrated Science Module (JWST)
OVIRS	OSIRIS-REx Visible and Infrared Spectrometer
OVWST	Ocean Vector Winds Science Team
P.L.	Public Law
P&F	Particles and Fields
PACE	Pre-Aerosols, Carbon and Ecosystems
Pan-STARRS	USAF Panoramic Survey Telescope and Rapid Reporting System
PAR	Performance and Accountability Report
PAR	Program Acceptance Review
PARASOL	Polarization & Anisotropy of Reflectances for Atmospheric Sciences coupled with Observations from a Lidar
PART	Program Assessment Rating Tool
PB	President’s Budget
PBR	President’s Budget Request
PBS	President’s Budget Submit
PCA	Physicians’ comparability allowance

ACRONYMS AND ABBREVIATIONS

PCAD	Propulsion Cryogenics Advanced Development
PCBs	Polychlorinated biphenyls
PCOS	Physics of the Cosmos
PDR	Preliminary Design Review
PDS	Planetary Data System
PI	Principal Investigator
PICS	Partnerships, Innovation and Commercial Space
PIP	Payload Interface Processor
PIR	Program Implementation Review
PIV	Personal Identification Verification
PLAR	Post Launch Assessment Review
PLSS	Portable Life Support System
PMA	President's Management Agenda
PMC	Program Management Council
PNAR	Preliminary Non-Advocate Review
PNT	Positioning, Navigation, and Timing
POWER	Protecting Our Workers and Ensuring Reemployment Presidential Initiative
PPS	Precipitation Processing System
PR	Precipitation Radar
PSBR	Proton Spectrometer Belt Research
PSC	Polar Stratospheric Cloud
PSL	Propulsion Systems Laboratory
PWC	Price Waterhouse Coopers
PWR	Pratt & Whitney Rocketdyne
Q, or QTR	Quarter
QuikSCAT	Quick SCATerometer
R&A	Research and Analysis
R&D	Research and Development
R2	Robonaut 2
RAP	Robotics Alliance Project
RBSP	Radiation Belt Storm Probes
RBSPICE	Radiation Belt Science of Protons, Ions, Composition, and Electrons
RF	Radio Frequency
RFI	Request for Information
RFP	Request for Proposal
RHESSI	Reuven Ramaty High Energy Solar Spectroscopic Imager
RMP	Risk Mitigation Phase
Roscosmos	Russian Federal Space Agency

ACRONYMS AND ABBREVIATIONS

ROSES	Research Opportunities in Space and Earth Science
RPS	Radioisotope Power System
RPS	Relativistic Proton Spectrometer
RTF	Return to Flight
RpK	Rocketplane-Kistler
RPT	Rocket Propulsion Testing
RR	Readiness Review
RS-25d	Core Stage Engine (Pratt & Whitney Rocketdyne, Inc)
RS	Russian Segment
RSAS	Raytheon Space and Airborne Systems
RSDO	Rapid Spacecraft Development Office
RSRB	Reusable Solid Rocket Booster
RSRM	Reusable Solid Rocket Motor
RTAX	A field programmable gate array on RSBP
RTEMS	Real-Time Executive for Multiprocessor Systems
RTMM	Real Time Mission Monitor
RVT	Reference Vehicle Design
RTT	Research Transition Teams
RXTE	Rossi X-Ray Timing Explorer
S/A	Solar array
S&MA	Safety and Mission Assurance
S, R and Q	Safety, Reliability, and Quality
SA	Single Access
SA/SPaH	Sample Acquisition, Processing, and Handling (drill for MSL)
SAA	Space Act Agreement
SAC-D	Satellite de Aplicaciones Cientificas–D (Argentina)
SADA	Solar Array Drive Assembly
SAGE	Stratospheric Aerosol and Gas Experiment
SALMON	Stand Alone Missions of Opportunity NRA
SAO	Smithsonian Astrophysical Observatory
SAP	NASA's Core Financial System
SAR	Synthetic Aperture Radar
SAT	Strategic Astrophysics Technology
SAU	Strategic Airspace Usage
SBC	Single Board Computer
SBIR	Small Business Innovative Research
SBRS	Santa Barbara Remote Sensing (Division of Raytheon)
SCADA	Supervisory Control and Data Acquisition

ACRONYMS AND ABBREVIATIONS

SCAMP	Supersonics Caustic Analysis and Measurement Program
SCaN	Space Communications and Navigation
SCAP	Shared Capability Assets Program
SCEM	"The Scientific Context for Exploration of the Moon," NRC Planetary Science report
SCNS	Space Communications Network Services
SDO	Solar Dynamics Observatory
SDP	Spin-plane Double Probe
SEAC4RS	Southeast Asia Composition, Cloud, Climate Coupling Regional Study
SeaWiFS	Sea-viewing Wide Field-of-view Sensor
SE&I	System Engineering and Integration
SEMAA	Science Engineering Mathematics Aerospace Academy
SEP	Solar Energetic Particles
SET	Space Environment Testbeds
SETAG	Space Environment Test Alliance Group
SEWP	Solutions for Enterprise-Wide Procurement
SFCO	Space Flight Crew Operations
SFS	Space and Flight Support
SFW	Subsonic Fixed Wing
SGSS	Space Network Ground Segment Sustainment
SH	Southern Hemisphere
SGLT	Space-to-Ground Link Terminals
SLPSRA	Space, Life and Physical Sciences Research and Applications
SLPSRAD	Space Life and Physical Sciences Research and Applications Division
SI	Strategic Integration
SIM	Space Interferometry Mission
SIR	System Integration Review
SMAP	Soil Moisture Active/Passive
SMD	Science Mission Directorate
SMEX	Small Explorer
SN	Space Network
SNC	Sierra Nevada Corporation
SNGG	Space Network Ground Segment Sustainment
SoI	Summer of Innovation
SMA	Safety and Mission Assurance
SMART-OP	Stress Management And Resilience Training for Optimal Performance (on long duration missions)
SMC/TEL	Space and Mission Command/Test and Evaluation Directorate
SMD	Science Mission Directorate

ACRONYMS AND ABBREVIATIONS

SMEX	Small Explorer
SMS	Safety and Mission Success
SOC	Security Operations Center
SOC	Solar Orbiter Collaboration
SOFIA	Stratospheric Observatory for Infrared Astronomy
SOHO	Solar Heliospheric Observer
SoloHI	Solar and Heliospheric Imager
SOMD	Space Operations Mission Directorate
SORCE	Solar Radiation and Climate Experiment
SOST	Subcommittee on Ocean Science and Technology
SpaceX	Space Exploration and Technology
SPF	Space Power Facility
SPHERES	Synchronized Position Hold, Engage, Reorient, Experimental Satellites
SPOC	Space Program Operations Contract
SPP	Solar Probe Plus
SR	Senior Review
SR	Space Radiation
SR&T	Supporting Research and Technology
SRB	Senior Review Board
SRB	Standing Review Board
SRC	Sample Return Capsule
SRG	Stirling Radioisotope Generator
SRM	Solid Rocket Motor
SRR	System Requirement Review
SRW	Subsonic Rotary Wing
SSC	Stennis Space Center
SSD	Solar Sail Demonstration
SSME	Space Shuttle Main Engines
SSP	Space Shuttle Program
SSS	Sea Surface Salinity
ST	Space Technology
ST7	Space Technology 7 mission
STD	Standard Technical Design
STEM	Science, Technology, Engineering, and Mathematics (Education)
STEREO	Solar TErrestrial RElations Observatory
STI	Scientific and Technical Information
STP	Solar Terrestrial Probes
STRG	Space Technology Research Grants Program

ACRONYMS AND ABBREVIATIONS

STS	Space Transportation System
STScI	Space Telescope Science Institute
STTR	Small Business Technology Transfer Program
Suomi NPP	Suomi National Polar orbiting Partnership, formerly the NPOESS Preparatory Project or NPP
SWEA	Solar Wind Electron Analyzer
SWIA	Solar Wind Ion Analyzer
SWIR	Short Wave Infrared
SWOT	Surface Water and Ocean Topography
SwRI	Southwest Research Institute
SXS	High-Resolution Soft X-Ray Spectrometer
TAT	Test Assessment Team (JWST)
TBD	To be determined
TCU	Tribal Colleges and Universities
TDEM	Technology Development for Exoplanet Missions
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TES	Transform Spectrometer
TESS	Transiting Exoplanet Survey Satellite
THEMIS	Time History of Events and Macroscale Interactions during Substorms
TIMED	Thermosphere, Ionosphere, Mesosphere, Energetics and Dynamics
TIMS	Thermal Infrared Multispectral Scanner
TIRS	Thermal Infrared Sensor
TMI	TRMM Microwave Imager
TOF	Time of Flight
TPS	Thermal Protection System
T&R	Transition and Retirement
TRACE	Transition Region and Coronal Explorer
TRL	Technology Readiness Level
TRMM	Tropical Rainfall Measuring Mission
TSDIS	TRMM Science Data and Information System
TT&C	Tracking Telemetry and Command (flight)
T-TSAFE	Terminal-Tactical Separation Assured Flight Environment
TWINS	Two Wide–angle Imaging Neutral–atom Spectrometers
U.S.	United States
U.S.C.	United States Code
UA	Utility Annex
UAS	Unmanned Aircraft Systems
UAV	Unmanned Aerial Vehicle

ACRONYMS AND ABBREVIATIONS

UCLA	University of California at Los Angeles
UHF	Ultra High Frequency
ULA	United Launch Alliance
URC	University Research Centers
USA	United Space Alliance
USAF	United States Air Force
USAID	U.S. Agency for International Development
USDA	United States Department of Agriculture
USE	Upper Stage Engine
USGCRP	U.S. Global Change Research Program
USGS	United States Geological Survey
USOS	U.S. On-orbit Segment (ISS)
USPI	U.S. Participating Investigators (Explorer)
USRA	Universities Space Research Association
UV	Ultraviolet
UVS	UV Spectrometer
VAB	Vehicle Assembly Building
VAFB	Vandenberg Air Force Base
VAO	Virtual Astronomical Observatory
VCL	Vegetation Canopy Lidar
VGA	Venus Gravity Assist
VIIRS	Visible-Infrared Imager Radiometer Suite (NPOESS Preparatory Project instrument)
VLRS	Vehicle-Level Reasoning System
V&V	Verification and Validation
WFC	Wide Field Camera
WFF	Wallops Flight Facility (NASA, managed by GSFC)
WFIRST	Wide-Field Infrared Survey Telescope
WISE	Wide-field Infrared Survey Explorer
WMAP	Wilkinson Microwave Anisotropy Probe
WSC	White Sands Complex
WSTF	White Sands Test Facility, (NASA, managed by JSC)
XCVR	Transceiver
XMM	X-ray Multi-mirror Mission (Newton Observatory)
WMS	Web Mapping Service
XPI	X-ray Polarimeter Instrument