

# Abbreviations | G

AATSR	Advanced Along-Track Scanning Radiometer	ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
ACR	Active Cavity Radiometer	ATLAS	Atmospheric Laboratory for Applications and Science
ACRIM	Active Cavity Radiometer Irradiance Monitor	ATN	Advanced TIROS-N
ADEOS	Advanced Earth Observing Satellite	ATMOS	Atmospheric Trace Molecules Observed by Spectroscopy
AES	Atmospheric Environment Service	AVHRR	Advanced Very High Resolution Radiometer
AID	Agency for International Development	AVIRIS	Airborne Visible Infrared Imaging Spectrometer
AIRS	Atmospheric Infrared Sounder	AVNIR	Advanced Visible and Near-Infrared Radiometer
ALEXIS	Array of Low Energy X-Ray Imaging Sensors	CCD	Charged Coupled Device
ALT	Altimeter	CCDS	Centers for Commercial Development of Space
AMS	American Meteorological Society	CCRS	Canada Centre for Remote Sensing
AMSR	Advanced Microwave Scanning Radiometer	CEES	Committee on Earth and Environmental Science
AMSU	Advanced Microwave Sounding Unit	CENR	Committee on Environment and Natural Resource Research
AMTS	Advanced Moisture and Temperature Sounder	CEOS	Committee on Earth Observations Satellites
APT	Automatic Picture Transmission	CERES	Clouds and Earth's Radiant Energy System
ARA	Atmospheric Radiation Analysis	CES	Committee on Earth Studies
ARGOS	Argos Data Collection and Position Location System	CFC	Chlorofluorocarbon
ARM	Atmospheric Radiation Monitor	CGC	Committee on Global Change
ARPA	Advanced Research Projects Agency		
ASAR	Advanced Synthetic Aperture Radar		
ASCAT	Advanced Scatterometer		
ASF	Alaska SAR Facility		

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CGMS	Coordination of Geostationary Meteorological Satellites	EOSAT	Earth Observation Satellite company
CIESIN	Consortium for International Earth Science Information Network	EOS-CHEM	EOS Chemistry Mission
CLAES	Cryogenic Limb Array Etalon Spectrometer	EOSDIS	EOS Data and Information System
CNES	Centre National d'Études Spatiales	EOSP	Earth Observing Scanning Polarimeter
CNRS	Centre National de la Recherche Scientifique	EOS-PM	EOS Afternoon Crossing (Descending) Mission
COSPAR	Congress for Space Research	EPA	Environmental Protection Agency
CPP	Cloud Photopolarimeter	ERBE	Earth Radiation Budget Experiment
CSA	Canadian Space Agency	ERBS	Earth Radiation Budget Satellite
<b>CZCS</b>	Coastal Zone Color Scanner	EROS	Earth Resources Observation System
DAAC	Distributed Active Archive Center	ERS	European Remote-Sensing Satellite
DARA	Deutsche Agentur für Raumfahrt-Angelegenheiten	ERTS-1	Earth Resources Technology Satellite- 1
DB	Direct Broadcast	ESA	European Space Agency
DCS	Data Collection System	ESDIS	Earth Science Data and Information System
DDL	Direct Downlink	ESOC	European Space Operations Center
DMA	Defense Mapping Agency	ESRIN	European Scientific Research Institute
DMSP	Defense Meteorological Satellite Program	ETS-VI	Engineering Test Satellite-VI
DOC	Department of Commerce	Eumestat	European Organisation for the Exploitation of Meteorological Satellites
DOD	Department of Defense	FAA	Federal Aviation Administration
DOE	Department of Energy	FAO	Food and Agriculture Organization
DOI	Department of the Interior	FCCSET	Federal Coordinating Council for Science, Engineering, and Technology
DORIS	Doppler Orbitography and Radiopositioning Integrated by Satellite	FEMA	Federal Emergency Management Agency
DOS	Department of State	<b>FEWS</b>	Famine Early Warning System
DPT	Direct Playback Transmission	FOV	Field-of-View
DRSS	Data Relay Satellite System	FST	Field Support Terminal
EC	European Community	FY	Feng Yun
EDC	EROS Data Center	GCDIS	Global Change Data and Information System
EDOS	EOS Data and Operations System	GCOS	Global Climate Observing System
EDRTS	Experimental Data Relay and Tracking Satellite	GDP	gross domestic product
ELGA	Emergency Locust Grasshopper Assistance	GDPS	Global Data-Processing System
ENSO	El Niño/Southern Oscillation	Geosat	Navy Geodetic Satellite
EOC	EOS Operations Center	GEWEX	Global Energy and Water Cycle Experiment
EO-IC-WG	Earth Observation International Coordination Working Group	GFO	Geosat Follow-On
EOS	Earth Observing System	GGI	GPS Geoscience Instrument
EOS-AERO	EOS Aerosol Mission	GIS	geographic information system(s)
EOS-ALT	EOS Altimetry Mission		
EOS-AM	EOS Morning Crossing (Ascending) Mission		

## Appendix G Abbreviations 1157

GLAS	Geoscience Laser Altimeter System	ILAS	Improved Limb Atmospheric Spectrometer
GLI	Global Imager	INSAT	Indian Satellite
GLRS	Geoscience Laser Ranging System	IMG	Interferometric Monitor for Greenhouse Gases
GMS	Geostationary Meteorological Satellite	IOC	Intergovernmental Oceanographic Commission
GOES	Geostationary Operational Environmental Satellite	IPCC	Intergovernmental Panel on Climate Change
GOMI	Global Ozone Monitoring Instrument	IPO	Integrated Program Office
GOMOS	Global Ozone Monitoring by Occultation of Stars	IPOMS	International Polar Operational Meteorological Satellite organization
GOMR	Global Ozone Monitoring Radiometer	IRS	Indian Remote Sensing Satellite
GOMS	Geostationary Operational Meteorological Satellite	IRTS	Infrared Temperature Sounder
GOOS	Global Ocean Observing System	ISAMS	Improved Stratospheric and Mesospheric Sounder
GOS	Global Observing System	ISY	International Space Year
GPS	Global Positioning System	ITS	Interferometric Temperature Sounder
GTS	Global Telecommunications System	JOES	Japanese Earth Observing System
HIRDLS	High-Resolution Dynamics Limb Sounder	JERS	Japan's Earth Resources Satellite
HIRIS	High-Resolution Imaging Spectrometer	JPL	Jet Propulsion Laboratory
HIRS	High-Resolution Infrared Sounder	JPOP	Japanese Polar Orbiting Platform
HIS	High-Resolution Interferometer Sounder	LAGEOS	Laser Geodynamics Satellite
HRMSI	High-Resolution Multispectral Stereo Imager	Landsat	Land Remote-Sensing Satellite
HRPT	High-Resolution Picture Transmission	Lidar	Light Detection and Ranging
HSST	House Committee on Science, Space, and Technology	LIMS	Limb Infrared Monitor of the Stratosphere
HRV	High-Resolution Visible	LIS	Lightning Imaging Sensor
HYDICE	Hyperspectral Digital Imagery Collection Experiment	LISS	Linear Imaging Self-scanning Sensors
IAF	International Astronautical Federation	LITE	Lidar In-Space Technology Experiment
IASI	Interferometric Atmospheric Sounding Instrument	LR	Laser Retroreflector
IEOS	International Earth Observing System	MELV	medium-class expendable launch vehicle
IELV	intermediate-class expendable launch vehicle	MERIS	Medium-Resolution Imaging Spectrometer
ICSU	International Council of Scientific Unions	MESSR	Multispectrum Electronic Self-Scanning Radiometer
IGBP	International Geosphere-Biosphere Program	METOP	Meteorological Operational Satellite
		MHS	Microwave Humidity Sounder
		MIMR	Multifrequency Imaging Microwave Radiometer

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MI PAS	Michelson Interferometer for Passive Atmospheric Sounding	POEM	Polar-Orbit Earth Observation Mission
MISR	Multi-Angle Imaging SpectroRadiometer	POES	Polar-orbiting Operational Environmental Satellite
MITI	Ministry of International Trade and Industry	POLDER	Polarization and Directionality of Earth's Reflectance
MLS	Microwave Limb Sounder	RA	Radar Altimeter
MODIS	Moderate-Resolution Imaging Spectroradiometer	Radarsat	Radar Satellite
MOP	Meteosat Operational Programme	RESTEC	Remote Sensing Technology Center
MOPITT	Measurements of Pollution in the Troposphere	RF	Radio Frequency
MOS	Marine Observation Satellite	RIS	Retroreflector in Space
MSR	Microwave Scanning Radiometer	SAFIRE	Spectroscopy of the Atmosphere using Far Infrared Emission
MSS	Multispectral Scanner	SAFISY	Space Agency Forum on ISY
MSU	Microwave Sounding Unit	SAGE	Stratospheric Aerosol and Gas Experiment
MTPE	Mission to Planet Earth	SAMS	Stratospheric and Mesospheric Sounder
MTS	Microwave Temperature Sounder	SAR	synthetic aperture radar
NASA	National Aeronautics and Space Administration	SARSAT	
NASDA	National Space Development Agency (Japan)	or S&R	Search and Rescue Satellite Aided Tracking System
NESDIS	National Environmental Satellite, Data and Information Service	SBUV	Solar Backscatter Ultraviolet Radiometer
NEXRAD	Next-Generation Weather Radar	SCARAB	Scanner for the Radiation Budget
NIST	National Institute for Standards and Technology	SCST	Senate Committee on Commerce, Science, and Transportation
NOAA	National Oceanic and Atmospheric Administration	SeaWiFS	Sea-Viewing Wide Field Sensor
NOSS	National Oceanic Satellite System	SEDAC	Socio Economic Data Archive Center
NREN	National Research and Education Network	SEM	Space Environment Monitor
NROSS	Navy Remote Ocean Sensing Satellite	S-GCOS	Space-based Global Change Observation System
NRSA	National Remote Sensing Agency	SIR	Shuttle Imaging Radar
NSCAT	NASA Scatterometer	SLR	Satellite Laser Ranging
NSPD	National Space Policy Directive	SMMR	Scanning Multispectral Microwave Radiometer
NSTC	National Science and Technology Council	SMSIGOES	GOES synchronous meteorological satellite
OCTS	Ocean Color and Temperature Scanner	SNR	signal-to-noise ratio
OLS	Operational Linescan System	SOLSTICE	Solar Stellar Irradiance Comparison Experiment
OMB	Office of Management and Budget	SPOT	Système pour l'Observation de la Terre
OPS	Optical Sensors	SSM/I	Special Sensor Microwave/Imager
OSB	Ocean Studies Board	SSTI	Small Satellite Technology Initiative
OSC	Orbital Sciences Corporation	SSU	Stratospheric Sounding Unit
OSIP	Operational Satellite Improvement Program		

STIKSCT	Stick Scatterometer	USDA	U.S. Department of Agriculture
SWIR	Short Wave Infrared	USGCRP	U.S. Global Change Research Program
TDRSS	Tracing and Data Relay Satellite System	USGS	U.S. Geological Survey
TUSK	Tethered Upper Stage Knob	VAS	VISSR Atmospheric Sounder
TIROS	Television Infrared Observing Satellites	VHRR	Very High Resolution Radiometer
TM	Thematic Mapper	VISSR	Visible and Infrared Spin Scan Radiometer
TOGA	Tropical Ocean Global Atmosphere	VTIR	Visible and Thermal infrared Radiometer
TOMS	Total Ozone Mapping Spectrometer	WCRP	World Climate Research Program
TOPEX	Ocean Topography Experiment	WDC	World Data Center
TOVS	TIROS Operational Vertical Sounder	WEU	Western European Union
TRMM	Tropical Rainfall Measuring Mission	WMO	The U.N. World Meteorological Organization
UARS	Upper Atmosphere Research Satellite	WOCE	World Ocean Circulation Experiment
UAVS	Unpiloted aerospace vehicles	<b>WWW</b>	World Weather Watch
UNEP	United Nations Environment Programme	X-SAR	X-band synthetic aperture radar
UNESCO	United Nations Educational, Scientific, and Cultural Organization		