

Appendix E:

Glossary

of

Acronyms

AATSR	—Advanced Along-Track Scanning Radiometer	AVIRIS	—Airborne Visible Infrared Imaging Spectrometer
ACR	—Active Cavity Radiometer	AVNIR	—Advanced Visible and Near-Infrared Radiometer
ACRIM	—Active Cavity Radiometer Ix-radiance Monitor	CCD	—Charged Coupled Device
ADEOS	—Advanced Earth Observing Satellite	CCRS	—Canada Centre for Remote Sensing
AES	—Atmospheric Environment Service	CEES	—Committee on Earth and Environmental Sciences
AIRS	—Atmospheric Infrared Sounder	CEOS	—Committee on Earth Observations Satellites
ALEXIS	—Array of Low Energy X-Ray Imaging Sensors	CERES	—Clouds and Earth's Radiant Energy System
ALT	—Altimeter	CES	—Committee on Earth Studies
AMS	—American Meteorological Society	CFC	—Chlorofluorocarbon
AMSR	—Advanced Microwave Scanning Radiometer	CGC	—Committee on Global Change
AMSU	—Advanced Microwave Sounding Unit	CIESIN	—Consortium for International Earth Science Information Network
AMTS	—Advanced Moisture and Temperature Sounder	CLAES	—Cryogenic Limb Array Etalon Spectrometer
APT	—Automatic Picture Transmission	CNES	—Centre National d'Etudes Spatiales
ARA	—Atmospheric Radiation Analysis	CNRS	—Centre National de la Recherche Scientifique
ARGOS	—Argos Data Collection and Position Location System	COSPAR	—Congress for Space Research
ARM	—Atmospheric Radiation Measurement	CPP	—Cloud Photopolarimeter
ASAR	—Advanced Synthetic Aperture Radar	CSA	—Canadian Space Agency
ASCAT	—Advanced Scatterometer	CZCS	—Coastal Zone Color Scanner
ASF	—Alaska SAR Facility	DAAC	—Distributed Active Archive Center
ASTER	—Advanced Spaceborne Thermal Emission and Reflection Radiometer	DB	—Direct Broadcast
ATLAS	—Atmospheric Laboratory for Applications and Science	DCS	—Data Collection System
ATMOS	—Atmospheric Trace Molecules Observed by Spectroscopy	DDL	—Direct Downlink
AVHRR	—Advanced Very High Resolution Radiometer	DMSP	—Defense Meteorological Satellite Program
		DOC	—Department of Commerce

DOD	—Department of Defense	GEWEX	—Global Energy and Water Cycle Experiment
DOE	—Department of Energy	GGI	—GPS Geoscience Instrument
DOI	—Department of the Interior	GLAS	—Geoscience Laser Altimeter System
DORIS	—Doppler Orbitography and Radiopositioning Integrated by Satellite	GLI	—Global Imager
DOS	—Department of State	GLRS	—Geoscience Laser Ranging System
DPT	—Direct Playback Transmission	GMS	—Geostationary Meteorological Satellite
DRSS	—Data Relay Satellite System	GOES	—Geostationary Operational Environmental Satellite
EC	—European Community	GOMI	—Global Ozone Monitoring Instrument
EDC	—EROS Data Center	GOMOS	—Global Ozone Monitoring by Occultation of Stars
EDRTS	—Experimental Data Relay and Tracking Satellite	GOMR	—Global Ozone Monitoring Radiometer
EOC	—EOS Operations Center	GOMS	—Geostationary Operational Meteorological Satellite
EOS	—Earth Observing System	GPS	—Global Positioning System
EOS-AERO	—EOS Aerosol Mission	HIRDLS	—High-Resolution Dynamics Limb Sounder
EOS-ALT	—EOS Altimetry Mission	HIRIS	—High-Resolution Imaging Spectrometer
EOS-AM	—EOS Morning Crossing (Ascending) Mission	HIRS	—High-Resolution Infrared Sounder
EOSAT	—Earth Observation Satellite company	HIS	—High-Resolution Interferometer Sounder
EOS-CHEM	—EOS Chemistry Mission	HRPT	—High-Resolution Picture Transmission
EOSDIS	—EOS Data and Information System	HYDICE	—Hyperspectral Digital Imagery Collection Experiment
EOSP	—Earth Observing Seaming Polarimeter	ICSU	—International Council of Scientific Unions
EOS-PM	—EOS Afternoon Crossing (Descending) Mission	IGBP	—International Geosphere-Biosphere program
EPA	—Environmental Protection Agency	ILAS	—Improved Limb Atmospheric Spectrometer
ERBE	—Earth Radiation Budget Experiment	INSAT	—Indian National Satellite
ERBS	—Earth Radiation Budget Satellite	IMG	—Interferometric Monitor for Greenhouse Gases
EROS	—Earth Resources Observation System	IPCC	—Intergovernmental Panel on Climate Change
ERS	—European Remote-Sensing Satellite	IRS	—Indian Remote Sensing Satellite
ERTS-1	—Earth Resources Technology Satellite-1	IRTS	—Infrared Temperature Sounder
ESA	—European Space Agency	ISAMS	—Improved Stratospheric and Mesospheric Sounder
ESDIS	—Earth Science Data and Information System	ISY	—International Space Year
EWUN	—European Scientific Research Institute	JERS	—Japan Earth Resources Satellite
ETS-VI	—Engineering Test Satellite-VI	JOES	—Japanese Earth Observing System
E UMETSAT	—European Organization for the Exploitation of Meteorological Satellites	JPL	—Jet Propulsion Laboratory
FCCSET	—Federal Coordinating Council for Science, Engineering, and Technology	JPOP	—Japanese Polar Orbiting Platform
FOV	—Field-of-View	LAGEOS	—Laser Geodynamics Satellite
FST	—Field Support Terminal		
FY	—Feng Yun		
GCDIS	—Global Change Data and Information System		
Geosat	—Navy Geodetic Satellite		

Landsat	—Land Remote-Sensing Satellite	OMB	—Office of Management and Budget
Lidar	—Light Detection and Ranging	OPS	—Optical Sensors
LIMS	—Limb Infrared Monitor of the Stratosphere	OSC	—Orbital Sciences Corporation
LIS	—Lightning Imaging Sensor	OSIP	—operational Satellite Improvement Program
LISS	—Linear Imaging Self-scanning Sensors	POEM	—Polar-Orbit Earth Observation Mission
LITE	—Lidar In-Space Technology Experiment	POES	—Polar-orbiting Operational Environmental Satellite
LR	—Laser Retroreflector	POLDER	—Polarization and Directionality of Earth's Reflectance
MERIS	—Medium-Resolution Imaging Spectrometer	RA	—Radar Altimeter
MESSR	—Multispectrum Electronic Self-Scanning Radiometer	Radarsat	—Radar Satellite
METOP	—Meteorological Operational Satellite	RESTEC	—Remote Sensing Technology Center
MHS	—Microwave Humidity Sounder	RF	—Radio Frequency
MIMR	—Multifrequency Imaging Microwave Radiometer	RIS	—Retroreflector in Space
MIPAS	—Michelson Interferometer for Passive Atmospheric Sounding	SAFIRE	—Spectroscopy of the Atmosphere using Far Infrared Emission
MISR	—Multi-Angle Imaging SpectroRadiometer	SAFISY	—Space Agency Forum on ISY
MLS	—Microwave Limb Sounder	SAGE	—Stratospheric Aerosol and Gas Experiment
MODIS	—Moderate-Resolution Imaging Spectroradiometer	SAMS	—Stratospheric and Mesospheric Sounder
MOP	—Meteosat Operational Programme	SAR	—Synthetic Aperture Radar
MOPITT	—Measurements of Pollution in the Troposphere	SARSAT	—Search and Rescue Satellite Aided Tracking System
MOS	—Marine Observation Satellite	or S&R	
MSR	—Microwave Scanning Radiometer	SBUV	—Solar Backscatter Ultraviolet Radiometer
MSS	—Multispectral Scanner	SCARAB	—Scanner for the Radiation Budget
MSU	—Microwave Sounding Unit	SeaWiFS	—Sea-Viewing Wide Field Sensor
MTPE	—Mission to Planet Earth	SEDAC	—Socio Economic Data Archive Center
MTS	—Microwave Temperature Sounder	SEM	—Space Environment Monitor
NASA	—National Aeronautics and Space Administration	S-GCOS	—Space-based Global Change Observation System
NASDA	—National Space Development Agency (Japan)	SIR-C	—Shuttle Imaging Radar-C
NESDIS	—National Environmental Satellite, Data, and Information Service	SLR	—Satellite Laser Ranging
NOAA	—National Oceanic and Atmospheric Administration	SMMR	—Scanning Multispectral Microwave Radiometer
NREN	—National Research and Education Network	SOLSTICE	—Solar Stellar Irradiance Comparison Experiment
NRSA	—National Remote Sensing Agency	SPOT	—System Probatoire d'Observation de la Terre
NSCAT	—NASA Scatterometer	SSM/I	—Special Sensor Microwave/Imager
NSPD	—National Space Policy Directive	SSU	—Stratospheric Sounding Unit
OCTS	—Ocean Color and Temperature Scanner	STIKSCAT	—Stick Scatterometer
OLS	—Optical Line Scanner		

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SWIR	—Short Wave Infrared	USDA	—U.S. Department of Agriculture
TDRSS	—Tracking and Data Relay Satellite System	USGCRP	—U.S. Global Change Research Program
TIROS	—Television Infrared Observing Satellites	USGS	—U.S. Geological Survey
TM	—Thematic Mapper	VHRR	—Very High Resolution Radiometer
TOMS	—Total Ozone Mapping Spectrometer	VISSR	—Visible and Infrared Spin Scan Radiometer
TOGA	—Tropical Ocean Global Atmosphere	VTIR	—Visible and Thermal Infrared Radiometer
TOPEX	—Ocean Topography Experiment	WCRP	—World Climate Research program
TRMM	—Tropical Rainfall Measuring Mission	WEU	—Western European Union
TUSK	—Tethered Upper Stage Knob	WMO	—The U.N. World Meteorological Organization
UARS	—Upper Atmosphere Research Satellite	WOCE	—World Ocean Circulation Experiment
UAVS	—Unpiloted Air Vehicles	X-SAR	—X-Band Synthetic Aperture Radar
UNEP	—United Nations Environment Program		
UNESCO	—United Nations Educational, Scientific, and Cultural Organization		