

Appendix F:

Acronyms and Abbreviations

F

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

CNES	Centre National d'Études Spatiales	EOS-PM	EOS Afternoon Crossing (Descending) Mission
CNRS	Centre National de la Recherche Scientifique	EPA	Environmental Protection Agency
COSPAR	Congress for Space Research	ERBE	Earth Radiation Budget Experiment
CSA	Canadian Space Agency	ERBS	Earth Radiation Budget Satellite
CZCS	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
DCS	Data Collection System	ESA	European Space Agency
DMA	Defense Mapping Agency	ESDIS	Earth Science Data and Information System
DMSP	Defense Meteorological Satellite Program	ESOC	European Space Operations Center
DOC	Department of Commerce	ESRIN	European Scientific Research Institute
DOD	Department of Defense	Eumestat	European Organisation for the Exploitation of Meteorological Satellites
DOE	Department of Energy	FAA	Federal Aviation Administration
DOI	Department of the Interior	FAO	Food and Agriculture Organization
DORIS	Doppler Orbitography and Radiopositioning Integrated by Satellite	FCCSET	Federal Coordinating Council for Science, Engineering, and Technology
DOS	Department of State	FEMA	Federal Emergency Management Agency
DRSS	Data Relay Satellite System	FEWS	Famine Early Warning System
EC	European Community	FOV	Field-of-View
EDC	EROS Data Center	FST	Field Support Terminal
EDOS	EOS Data and Operations System	FY	Feng Yun
EDRTS	Experimental Data Relay and Tracking Satellite	GCDIS	Global Change Data and Information System
ELGA	Emergency Locust Grasshopper Assistance	GCOS	Global Climate Observing System
ENSO	El Niño/Southern Oscillation	GDP	gross domestic product
EOC	EOS Operations Center	GDPS	Global Data-Processing System
EO-IG-WG	Earth Observation International Coordination Working Group	Geosat	Navy Geodetic Satellite
EOS	Earth Observing System	GEWEX	Global Energy and Water Cycle Experiment
EOS-AERO	EOS Aerosol Mission	GFO	Geosat Follow-On
EOS-ALT	EOS Altimetry Mission	GGI	GPS Geoscience Instrument
EOS-AM	EOS Morning Crossing (Ascending) Mission	GIS	geographic information system(s)
EOSAT	Earth Observation Satellite company	GLAS	Geoscience Laser Altimeter System
EOS-CHEM	EOS Chemistry Mission		
EOSDIS	EOS Data and Information System		
EOSP	Earth Observing Scanning Polarimeter		

104 | Remotely Sensed Data: Technology, Management, and Markets

GLI	Global Imager	IOC	Intergovernmental Oceanographic Commission
GLRS	Geoscience Laser Ranging System		
GMS	Geostationary Meteorological Satellite	IPCC	Intergovernmental Panel on Climate Change
GOES	Geostationary Operational Environmental Satellite	IPO	Integrated Program Office
GOMI	Global Ozone Monitoring Instrument	IPOMS	International Polar Operational Meteorological Satellite organization
GOMOS	Global Ozone Monitoring by Occultation of Stars	IRS	Indian Remote Sensing Satellite
GOMR	Global Ozone Monitoring Radiometer	IRTS	Infrared Temperature Sounder
GOMS	Geostationary Operational Meteorological Satellite	ISAMS	Improved Stratospheric and Mesospheric Sounder
GOOS	Global Ocean Observing System	ISY	International Space Year
GOS	Global Observing System	ITS	Interferometric Temperature Sounder
GPS	Global Positioning System	JOES	Japanese Earth Observing System
GTS	Global Telecommunications System	JERS	Japan 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 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
IAF	International Astronautical Federation	LISS	Linear Imaging Self-scanning Sensors
IELV	intermediate-class expendable launch vehicle	LITE	Lidar In-Space Technology Experiment
IEOS	International Earth Observing System	MELV	medium-class expendable launch vehicle
ICSU	International Council of Scientific Unions	MERIS	Medium-Resolution Imaging Spectrometer
IGBP	International Geosphere-Biosphere Program	MESSR	Multispectrum Electronic Self-Scanning Radiometer
ILAS	Improved Limb Atmospheric Spectrometer	METOP	Meteorological Operational Satellite
IMG	Interferometric Monitor for Greenhouse Gases	MHS	Microwave Humidity Sounder
INSAT	Indian Satellite	MIMR	Multifrequency Imaging Microwave Radiometer
		MIPAS	Michelson Interferometer for Passive Atmospheric Sounding
		MISR	Multi-Angle Imaging Spectroradiometer

MITI	Ministry of International Trade and Industry	POEM	Polar-Orbit Earth Observation Mission
MLS	Microwave Limb Sounder	POES	Polar-orbiting Operational Environmental Satellite
MODIS	Moderate-Resolution Imaging Spectroradiometer	POLDER	Polarization and Directionality of Earth's Reflectance
MODIS-N	Moderate-Resolution Imaging Spectrometer-Nadir	RA	Radar Altimeter
MOP	Meteosat Operational Programme	Radarsat	Radar Satellite
MOPITT	Measurements of Pollution in the Troposphere	RESTEC	Remote Sensing Technology Center
MOS	Marine Observation Satellite	RF	Radio Frequency
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	Search and Rescue Satellite Aided Tracking
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	SMS/GEOS	GEOS synchronous meteorological satellite
OCTS	Ocean Color and Temperature Scanner	SNR	signal-to-noise ratio
OMB	Office of Management and Budget	SOLSTICE	Solar Stellar h-radiance Comparison Experiment
OPS	Optical Sensors	SPOT	Systeme pour l'Observation de la Terre
OSB	Ocean Studies Board		
Osc	Orbital Sciences Corporation		
OSIP	Operational Satellite Improvement Program		

186 | Remotely Sensed Data: Technology, Management, and Markets

SSM/I	Special Sensor Microwave/Imager	UNESCO	United Nations Educational, Scientific, and Cultural Organization
SSTI	Small Satellite Technology Initiative		
SSU	Stratospheric Sounding Unit	USAID	U.S. Agency for International Development
STIKSCT	Stick Scatterometer		
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	VAS	VISSR Atmospheric Sounder
TOGA	Tropical Ocean Global Atmosphere	VHRR	Very High Resolution Radiometer
TOMS	Total Ozone Mapping Spectrometer	VISSR	Visible and Infrared Spin Scan Radiometer
TOPEX	Ocean Topography Experiment	VTIR	Visible and Thermal Infrared Radiometer
TOVS	TIROS Operational Vertical Sounder	WCRP	World Climate Research Program
TRMM	Tropical Rainfall Measuring Mission	WDC	World Data Center
TUSK	Tethered Upper Stage Knob	WEu	Western European Union
UARS	Upper Atmosphere Research Satellite	WMO	The U.N. World Meteorological Organization
UAWS	Unpiloted aerospace vehicles	WOCE	World Ocean Circulation Experiment
UNEP	United Nations Environment Program	WWW	World Weather Watch
		X-SAR	X-Band Synthetic Aperture Radar