

Abbreviation	Term	Definition	Category	Modified at
A	Analysis (Verification Method)		Engineering	2009-01-27
AAA	Antenna Aspect Angle		Technical - Bus	2010-06-08
ACE	Antenna Control Electronics Unit		Technical - Space-Ground Communications	2009-02-23
ACQ	Acquisition		Technical - Operations	2008-08-19
ACS	Attitude Control System		Technical - Bus	2009-01-27
AD	Applicable Document		Management	2009-02-23
ADC	Analog-to-Digital Converter		Technical - General	2009-02-16
ADF	Auxiliary Data Formatter		Technical - Data Management	2009-01-27
ADM-Aeolus	Atmospheric Dynamics Mission		Technical - Instrument	2009-01-27
ADP	Acceptance Data Package		Management	2009-01-27
ADS	Attitude Determination System		Technical - Bus	2009-02-16
ADV	Adverse Tolerance		Technical - Bus	2009-02-23
AEG	Antenna Excitation Generator		Technical - Space-Ground Communications	2009-02-23
AFD	Automatic File Distributor		Technical - Operations	2009-03-05
Agency	German Space Agency		Organizations	2008-08-19
AI	Action Item		Management	2009-01-27
AIT	Assembly, Integration and Test		Engineering	2009-01-27
AIV	Assembly, Integration & Verification		Engineering	2009-02-23
aka	also known as		Management	2009-01-27
ALOS	Advanced Land Observing Satellite		Organizations	2010-05-20
AM0	Air Mass Zero		Technical - Bus	2009-02-23
AN	Analog Channel		Technical - General	2009-01-27
ANT	Antenna		Technical - Space-Ground Communications	2009-02-24
AO	Announcement of Opportunity	The call for proposals to utilize a satellite mission. Utilization can mean data exploitation but also the opportunity to provide payloads. (http://envisat.esa.int/glossary/)	Organizations	2009-02-23
AOB	Any Other Business		Management	2009-02-16
AOC	Attitude and Orbit Control		Technical - Bus	2009-01-27
AOCS	Attitude and Orbit Control System	An important and complex subsystem of the satellite, providing measurement of the attitude in nominal and anomalous situations, and a range of actuators to modify attitude and attitude rates. It also provides the thrusters needed for orbit control and maintenance. (http://envisat.esa.int/glossary/)	Technical - Bus	2009-02-23
AOS	Acquisition of Signal		Technical - Operations	2009-01-27
AOT	Aerosol Optical Thickness		Technical - General	2010-05-20
APAR	Absorbed Photosynthetic Active Radiation		Applications	2009-01-27
APEX	Airborne PRISM Experiment		Organizations	2009-01-27
APG	Antenna Pattern Generator		Technical - Space-Ground Communications	2009-02-23
API	Application Programming Interface		Technical - General	2009-02-16
APID	Application Process Identifier		Technical - Space-Ground Communications	2009-02-23
APS	Active Pixel Sensor		Technical - Instrument	2009-02-16
APT	Asynchronous Packet Transfer		Technical - Space-Ground Communications	2009-02-23
AR	Acceptance Review		Management	2009-02-16
AR	Acquisition Request	An Acquisition Request (AR) is a request for an EnMAP data acquisition sent from Payload Ground Segment (PGS) to Mission Operations Segment (MOS). It is the input to Mission Planning for the planning process. An AR is identified by a unique denominator and includes all planning relevant information necessary to schedule the data take.	Technical - Operations	2010-05-24
AR	Applicable Reference		Management	2010-05-26
ARES	Airborne Reflective and Emissive Spectrometer		Organizations	2009-01-27
ARI	Acquisition Request Ingestion		Technical - Operations	2009-01-27
ASC	Advanced Stellar Compass		Technical - Bus	2009-02-16
ASCII	American Standard Code for Information I		Technical - General	2009-02-16
ASIC	Application-Specific Integrated Circuit		Technical - General	2009-01-27
ASM	Acquisition and Safe Mode		Technical - Bus	2009-02-16
ASP	Assumption		Engineering	2009-02-23
ASV	Assembly Version	An Assembly version is an instance of an assembly. It is the collection of items version of each item of the assembly under consideration and configuration.	Engineering	2010-05-03
AT	Acceptance Test		Technical - General	2008-08-19
ATBD	Algorithm Theoretical Basis Document		Technical - Data Management	2009-01-27
ATOX	Atomic Oxygen		Technical - Data Management	2009-01-27
ATP	Authorization to Proceed		Management	2009-02-16
AU	Authentication Unit		Technical - Bus	2009-02-16
AUX	Auxiliary Data	Data required to perform processing of sensor data which is not obtained from the sensor itself. Include: (a) data provided by the spacecraft (e.g. orbit position and velocity, attitude, instrument house-keeping data, on-board time), (b) data not available from on-board sources. EnMAP: (a) Orbit files, attitude files, calibration data, instrument house-keeping data, (b) atmospheric parameters, reference images.	Technical - Data Management	2009-02-16
AVIRIS	Airborne Visible-Infrared Imaging Spectrometer		Organizations	2009-01-27

Abbreviation	Term	Definition	Category	Modified at
AVNIR	Advanced Visible and Near-Infrared Radiometer		Technical - Instrument	2010-05-20
BAQ	Block Adaptive Quantizer		Technical - General	2009-02-16
BB	Breadboard		Engineering	2009-02-16
BC	Bus Controller		Technical - Bus	2009-02-16
BCR	Battery Charge Regulator		Technical - Bus	2009-01-27
BDD	Basic Design Definition		Engineering	2009-02-23
BER	Bit Error Rate		Technical - Space-Ground Communications	2009-01-27
BMU	Battery Management Unit		Technical - Bus	2009-02-16
BOF	Begin of File		Technical - General	2009-02-16
BOL	Begin of Life		Technical - General	2009-02-16
BOREAS	BOReal Ecosystem Atmosphere Study		Organizations	2009-02-16
BPT	Beam Pointer Table		Technical - Space-Ground Communications	2009-01-27
BRDF	Bi-directional Reflectance Distribution Function		Technical - Calibration/Validation	2009-02-16
BS	Bodensegment		Management	2009-02-16
BSDF	Bi-directional Scatter Distribution Function		Technical - Calibration/Validation	2009-02-16
BSI	Bundesamt für Sicherheit in der Informationstechnik		Organizations	2009-01-27
BSL1	Primary Bootstrap Loader		Technical - Bus	2009-02-16
BSL2	Secondary Bootstrap Loader		Technical - Bus	2009-02-16
C	Component	A Component is a constituent of a subsystem, enabling its functionality. Two component types are distinguished: - "Facility" (Technical Part) and - "Operations Organization" (Operational part).	Engineering	2010-05-05
C&C Provid	Characterization and Calibration Provider	A laboratory which was selected to perform the on-ground characterization and calibration.	Technical - Instrument	2010-03-04
CAF	Cluster Angewandte Fernerkundung		Organizations	2010-05-26
Cal	Calibration	The process of determining the functions and coefficients necessary to convert instrument output values (voltages or counts) to radiometric units. Both radiometric and spectral responses are implicit. It consists of pre-launch and on-orbit components, and direct and vicarious methods. In addition to establishing the instrument counts to radiance relationship, calibration deals its temporal and orbital variations. A key component is the maintenance of the calibration scale throughout the mission life, be it referenced to primary standards or the sun. Another component is the determination of geometric parameters characterising the viewing geometry of the instrument and its reference to the satellite coordinate system.	Technical - Calibration/Validation	2009-01-27
CAM	Commercial, Aviation & Military		Management	2008-08-19
CAP	Command Acknowledge Packet		Technical - Space-Ground Communications	2009-02-16
CASE	Computer Aided Software Engineering		Engineering	2009-02-16
CASI	Compact Airborne Spectrographic Imager		Technical - Instrument	2008-08-19
CBR	Circuit Breaker		Technical - Bus	2009-01-27
CCB	Configuration Control Board		Management	2009-02-16
CCD	Charge Coupled Device	An integrating optical detector in the near infrared, visible and ultraviolet region. (http://envisat.esa.int/glossary/)	Technical - Instrument	2009-02-16
CCDH	Command, Control and Data Handling		Technical - Data Management	2009-01-27
CCE	Cooler Control Electronics		Technical - Instrument	2009-02-16
CCI	Control Centre Infrastructure		Technical - Operations	2010-05-26
CCN	Contract Change Notice	Request to proceed with ECR, which is of contractual relevance affecting customer requirements, cost, schedule, safety of people or equipment, reliability, maintainability or external interfaces.	Management	2009-02-16
CCS	Central Check-out System		Technical - Bus	2009-02-16
CCSDS	Consultative Committee for Space Data Systems		Organizations	2008-08-19
CCU	Channel Coding Unit		Technical - Space-Ground Communications	2009-02-16
CCVV	Characterization, Calibration, Validation, Verification		Technical - Calibration/Validation	2009-02-16
CCW	Counter-Clockwise		Technical - General	2009-01-27
CDM	Configuration & Data Management		Management	2009-02-16
CDR	Critical Design Review		Management	2009-02-16
CDS	Correlated Double Sampling		Technical - Instrument	2008-08-19
CE	Circular Error		Technical - Data Management	2009-02-23
CECC	CENLEC Electronic Components Committee		Organizations	2009-02-16
CEDIM	Center for Disaster Management and Risk Reduction Technology		Organizations	2009-02-16
CentOS	CentOS	Unix like LINUX operation system (Community ENTERprise Operating System) see: http://www.centos.org	Technical - General	2010-05-03
CEOS	Committee on Earth Observation Satellites		Organizations	2009-02-16
CERES	Crop Environment Resource Synthesis		Applications	2009-02-16
CESS	Coarse Earth and Sun Sensor		Technical - Bus	2009-02-16
CFRP	Carbon Fiber Reinforced Plastic		Technical - General	2008-08-19
CHG	Chirp Generator		Technical - Space-Ground Communications	2009-01-27
CHRIS-PROB	Compact High Resolution Imaging Spectrometer		Technical - Instrument	2009-05-15

Abbreviation	Term	Definition	Category	Modified at
CI	Configuration Item	Aggregation of hardware, software, processed materials, services or any of its discrete portions that is designated for configuration management and treated as a single entity in the configuration management process.	Engineering	2009-02-16
CIDL	Configuration Item Data List		Engineering	2009-02-16
CIL	Critical Item List		Engineering	2009-02-16
CIP	Catalogue Interoperability Protocol	CIP supports the communication between user client software and the data provider server software and also between the information providers themselves. It is based on the international search and retrieval protocol Z39.50.	Technical - Data Management	2010-03-04
CIS	CMOS Image Sensor	Image sensor based on (silicon) CMOS technology.	Technical - Instrument	2010-02-02
CLCW	Control Link Control Word		Technical - Space-Ground Communications	2009-02-23
CLTU	Command Link Transmission Unit		Technical - Space-Ground Communications	2009-01-27
CM	Configuration Management	Technical and organizational activities comprising configuration identification, configuration control, configuration status accounting and configuration verification and configuration audit	Management	2008-07-25
CMD	Command		Technical - General	2009-02-23
CMM	Compression Memory Module		Technical - Data Management	2009-01-27
CMOS	Complementary Metal-Oxide Semiconductor		Technical - Instrument	2009-02-16
CMS	Configuration Management System		Management	2010-03-04
CN	Criticality Number		Engineering	2009-02-16
CNES	Centre National d'Etudes Spatiales		Organizations	2009-02-16
CO	Catalogue Order	A catalogue order contains order items for existing or producible products. The ordered products or the predecessor products are already available in the archive. They are processed and delivered according to the specification in the order.	Technical - Data Management	2010-06-08
COC	Certificate of Compliance		Management	2009-02-16
CoG	Centre of Gravity		Technical - General	2009-02-16
CoM	Centre of Mass		Technical - General	2009-02-16
COP-1	Command Operation Procedure #1		Technical - Operations	2009-01-27
COR	Critical Operational Review		Management	2009-01-27
CORINE	Coordinated Information on the European Environment		Organizations	2009-02-16
COTS	Commercial off-the-shelf		Engineering	2009-02-16
CPA	Central Parts Procurement Agency		Organizations	2009-02-16
CPDU	Command Pulse Decoder Unit		Technical - Space-Ground Communications	2009-02-16
CPPA	Centralized or Coordinated Parts Procurement		Management	2008-08-19
CPU	Central Processing Unit		Technical - General	2009-02-16
CR	Calibration Request	Calibration Requests are issued by registered internal users to the ground segment through the EnMAP Data Access Portal asking for measurements aiming to assess radiometric, spectrometric and geometric characteristics of HSI in orbit. The CR provides all information required for scheduling calibration measurements such as type of calibration, frequency of calibration measurements, time interval, priority. The measurement output of those requests are used to redefine HSI in-flight calibration sequences.	Technical - Operations	2010-05-22
CR	Canopy Reflectance		Applications	2009-02-16
CRB	Configuration Review Board		Management	2009-02-24
CRC	Cyclic Redundancy Check		Technical - Data Management	2010-05-22
CRD	Customer Requirements Document		Management	2009-02-16
CRN	Calibration Redundancy Network		Technical - Calibration/Validation	2009-01-27
CryoSat	CryoSat radar altimetry mission		Organizations	2009-01-27
CSA	Canadian Space Agency		Organizations	2010-03-04
CSA	Configuration status accounting	Recording and reporting of information needed to manage configuration items effectively, including the status of proposed changes and implementation status of approved changes.	Management	2009-02-16
CSL	Configuration Status List		Engineering	2010-05-26
CTIA	Capacitive Trans-Impedance Amplifier		Technical - General	2009-02-16
CTIME	Coarse Time		Technical - Bus	2009-02-16
CVCM	Collected Volatile Condensable Material		Technical - General	2008-08-19
CVR	Configuration Verification Review		Management	2009-01-27
CW	Control Word		Technical - Space-Ground Communications	2009-02-16
CWA	Caution & Warning Analysis		Technical - Operations	2009-02-16
CWIC	Constant-rate Wavelet-based Image Compressor		Technical - Data Management	2009-02-16
D	Dependability		Engineering	2010-06-08
D&D	Design & Development		Engineering	2009-02-23
D/L	Down-Link		Technical - Space-Ground Communications	2009-02-23
DAC	Direct Access Customer		Organizations	2009-02-23
DAC w RS	Direct Access Customer w own Receiving Station		Technical - Operations	2009-02-23
DAC w/o RS	Direct Access Customer w/o own Receiving Station		Organizations	2009-02-23
DAIS	Digital Airborne Imaging Spectrometer		Applications	2009-02-16
DAP	Direct Access Partner		Organizations	2009-02-23
DAS	Data Access Server		Technical - Data Management	2010-02-02

Abbreviation	Term	Definition	Category	Modified at
DAS	Direct Archive System		Technical - Data Management	2009-02-23
DB	Database		Technical - Operations	2010-02-24
DB	Digital Bilevel		Technical - General	2009-01-27
DC	dark current		Technical - Instrument	2010-05-21
DCL	Declared Component List		Engineering	2009-02-16
DCR	Document Change Request	Description of changes to a document, based on identified needs for editorial rework, elimination of mistakes, incorporation of changes. DCRs may be just entered ("editorial non-conformance") or may be generated from an ECR.	Management	2008-08-19
DCT	Discrete Cosine Transform		Technical - General	2009-02-16
DCU	DC-DC Converter Unit		Technical - General	2009-02-16
DD	Design Document		Engineering	2009-02-16
DD&V	Design, Development and Verification		Engineering	2009-02-23
DDD	Detailed Design Document		Engineering	2009-02-16
DDF	Design Definition File		Engineering	2009-02-23
DDTx	Data Downlink Transmitter		Technical - Space-Ground Communications	2009-02-16
DEM	Digital Elevation Model		Technical - General	2009-02-23
DeSurvey	A Surveillance System for Assessing and Monitoring of Desertification	EU funded Integrated Project, Duration: 2005-2010, see also: http://www.desurvey.net/	Organizations	2009-02-23
DFD	Deutsches Fernerkundungsdatenzentrum	Institut des Deutschen Zentrums für Luft- und Raumfahrt in der Helmholtz-Gemeinschaft	Organizations	2009-02-23
DG	Direct Georeferencing		Technical - Data Management	2009-02-23
DH	Data Handling		Technical - Data Management	2009-01-27
DHE	Data Handling Electronics		Technical - Data Management	2009-02-16
DID	Design and Interface Document		Engineering	2009-02-16
DIF	Downlink Info File		Technical - Space-Ground Communications	2009-02-23
DIMS	Data & Information Management System		Technical - Data Management	2008-07-28
DIRLIST	Directory List		Technical - Data Management	2009-02-16
DJF	Design Justification File		Engineering	2009-02-23
DLI	Downlink Info		Technical - Space-Ground Communications	2009-02-23
DLR	Deutsches Zentrum für Luft- und Raumfahrt e.V.		Organizations	2009-02-23
DLS	Data Link Subsystem		Technical - Space-Ground Communications	2009-01-27
DLT	Direct Linear Transformation		Technical - General	2010-05-06
DM	Data Memory		Technical - Data Management	2009-02-16
DM	Development Model		Management	2009-02-23
DMC	Digital Mapping Camera		Technical - Instrument	2010-05-20
DML	Declared Material List		Engineering	2009-02-23
DMPL	Declared Mechanical Parts List		Engineering	2009-02-23
DMZ	Demilitarized Zone		Technical - General	2009-05-15
DNL	Differential Non-Linearity		Technical - Calibration/Validation	2009-05-15
DOC	Dissolved Organic Carbon		Technical - General	2009-02-23
DOD	Department of Defense		Organizations	2009-02-23
DoM	Degradation of Mission	Permanent Degradation of Mission	Management	2010-02-02
DPA	Destructive Physical Analysis		Engineering	2009-02-23
DPCM	Difference Pulse Code Modulation		Technical - Space-Ground Communications	2009-02-23
DPH	Diffuser protective hatch	Diffuser protective hatch is a moveable part of FAD that protects the diffuser when sun diffuser hatch is in stored position. It consists of protective cover, vanes, rotation axis etc. DPH has two main positions: closed and open. In open position the diffuser is illuminated by sun for solar calibration.	Technical - Instrument	2010-04-08
DPL	Declared Process List		Engineering	2009-02-23
DPU	Data Processing Unit		Technical - Data Management	2009-02-23
DR	Discrepancy Report		Management	2010-05-06
DRAM	Dynamic Random Access Memory		Technical - General	2009-02-23
DRB	Delivery Review Board		Management	2009-02-23
DRD	Document Requirement Definition		Management	2009-02-23
DRL	Document Requirements List		Management	2009-02-23
DSHA	Data Storage and Handling Assembly		Technical - Data Management	2009-02-16
DSM	Digital Surface Model		Technical - General	2009-02-23
DSN	Deep Space Network		Technical - Space-Ground Communications	2009-02-23
DSNU	Dark Signal Non Uniformity		Technical - Calibration/Validation	2009-02-23
DSO	Detailed Supplementary Objective		Management	2009-02-23
DSS	Dornier Satellitensysteme		Organizations	2009-05-15
DSU	Data Storage Unit		Technical - Data Management	2009-02-23

Abbreviation	Term	Definition	Category	Modified at
DTA	datatake assembly	Procedure performed by the PGS processing system HSI as a prerequisite of Level 0 processing: Check whether all channel files of a datatake are completely available.	Technical - Data Management	2010-06-08
DTD	Document Type Definition		Technical - Data Management	2009-02-23
DTM	Digital Terrain Model		Technical - General	2009-02-23
DTO	Development Test Objective		Engineering	2009-02-23
DTV	Data Take Verification		Technical - Instrument	2009-02-16
DW	Data Word		Technical - Data Management	2009-02-16
DWD	Deutscher Wetterdienst		Technical - General	2010-05-24
DWT	Discrete Wavelet Transform		Technical - General	2009-02-16
EB	exabyte	derived from the SI prefix exa- unit of information or computer storage equal to one quintillion bytes : 1 EB = 1 billion gigabytes = 1 million terabytes	Technical - General	2010-06-08
EC	European Commission		Organizations	2009-02-23
ECEF	Earth Centred Earth Fixed		Technical - General	2010-05-20
ECEF	Earth-Centered, Earth-Fixed Coordinates		Technical - General	2009-02-23
ECI	Earth Centred Inertial		Technical - General	2010-05-20
ECL	Emitter-Coupled Logic		Technical - General	2009-02-23
ECODE	Error Code		Technical - Data Management	2009-02-23
ECP	Engineering Change Proposal		Engineering	2009-02-23
ECR	Earth Centred Rotated		Technical - General	2010-05-20
ECR	Engineering Change Request	Description of change intent, based on problem identification. An ECR is always generated from an NCR, RID or SCR. It has to be issued by the CCB.	Engineering	2009-03-01
ECSS	European Cooperation for Space Standardization		Engineering	2009-02-23
EDAC	Error Detection and Correction		Technical - Data Management	2009-02-23
EDC	EROS Data Centre		Technical - General	2010-05-20
EEA	European Environmental Agency		Organizations	2009-02-23
EEE	Electrical, Electronic & Electromechanical		Technical - General	2008-08-19
EEOM	Earth Explorer Opportunity Missions		Organizations	2009-02-23
EEPROM	Electrically Erasable Programmable Read Only Memory		Technical - General	2009-02-23
EGRP	Error Group		Technical - Data Management	2009-02-23
EGSE	Electrical Ground Support Equipment		Engineering	2009-02-23
EIDP	End Item Data Package		Technical - Space-Ground Communications	2009-02-23
EIRP	Equivalent Isotropic Radiated Power		Technical - General	2009-02-23
EL	Equal Level document		Management	2009-02-23
ELR	End-of-Life Review		Management	2009-02-23
ELV	Expendable Launch Vehicle		Technical - General	2009-02-23
EM	Engineering Model		Engineering	2009-02-23
EMC	Electro-Magnetic Compatibility		Engineering	2009-02-23
EME2000	Earth Mean Equator and Equinox of Epoch J2000	The fundamental inertial frame definition uses the Earth as the reference body, its mean equator as the reference plane, the vernal equinox of its mean orbit as the reference direction, and J2000 as the reference epoch. Hence, this frame is called the Earth Mean Equator and Equinox of Epoch J2000 or simply EME2000.	Technical - General	2010-05-20
EMI	Electro-Magnetic Interference		Technical - General	2009-02-23
EN	European Norm		Engineering	2009-02-23
EnDR	EnMAP Document Reference		Management	2009-02-23
EN-GS	EnMAP Ground Segment		Organizations	2010-05-26
EnMAP	Environmental Mapping & Analysis Program		Organizations	2009-02-23
ENOB	Effective Number of Bits		Technical - General	2009-02-23
EnSAG	EnMAP Science Advisory Group		Organizations	2010-05-24
ENVISAT	Environmental Satellite		Organizations	2009-02-23
EO	Earth Observation		Management	2009-02-23
EOCV	End of Charge Voltage		Technical - General	2009-02-23
EOF	End Of File		Technical - Data Management	2009-02-23
EOL	End Of Life		Engineering	2009-02-23
EOM	End of Mission		Management	2009-01-27
EOWEB	Earth Observation on the Web	The user interface Earth Observation on the WEB provides access to the earth observation data available at the DFD. You can search for data, view browse images, order data and retrieve data online.	Applications	2010-05-28
EPPL	European Preferred Parts List		Engineering	2009-02-23
EQM	Engineering Qualification Model		Engineering	2009-01-27
EROS	Earth Resources Observation Systems		Technical - General	2010-05-20
ERT	EDAC EEPROM/RAM Test		Engineering	2009-02-23
ESA	European Space Agency		Organizations	2009-02-23
ESCC	European Space Components Coordination		Engineering	2009-02-23
ESCIES	European Space Components Information Exchange System		Engineering	2009-02-23
ESD	Electrostatic Discharge		Technical - General	2009-02-23
ESE	External Segments and Entities		Technical - General	2010-04-08
ESOV	Earth Observation Swath and Orbit Visualization	This is a Earth Observation Swath and Orbit Visualisation tool providing the user with means to visualise instrument swaths of all ESA Earth Observation Satellites and assist in understanding where and when satellite measurements are made and ground con-tact is possible.	Technical - Operations	2010-05-22

Abbreviation	Term	Definition	Category	Modified at
ESSP	Earth System Science Partnership		Organizations	2009-02-23
ETM	Enhanced Thematic Mapper		Technical - Instrument	2010-05-20
ETRS89	European Terrestrial Reference System 1989		Technical - General	2010-05-20
EU	European Union		Organizations	2009-02-23
EU WFD	EU Water Framework Directive		Organizations	2009-02-23
EUNIS	European University Information Systems		Organizations	2009-02-23
EURD	EnMAP User Requirement Document		Management	2009-02-23
EVA	Extra Vehicular Activity		Technical - Bus	2009-02-23
FAD	Front aperture diffuser	FAD is a subassembly that comprises SDH, DPH, mounting structure, mechanisms, position sensors, actuators etc. FAD provides means for solar calibration and protects telescope entrance during launch.	Technical - Instrument	2010-04-08
FAD	Full Aperture Diffuser	The full aperture diffuser mechanism of the EnMAP instrument implements the basic functions Sun calibration and observation (normally earth) of the instrument. In addition it separates the two lightpaths of the instrument used for sun calibration and observation by two actuated flaps from the space environment. For the mission critical function observation a fail-safe design is provided.	Technical - Instrument	2009-08-19
FADA	Front aperture diffuser assembly	the same as FAD	Technical - Instrument	2010-04-08
FAM	Fine Attitude Mode		Technical - Bus	2009-02-16
FAO	Food and Agriculture Organization of the United Nations		Organizations	2009-02-23
FAQ	Frequently Asked Questions		Management	2009-01-27
FAR	Flight Acceptance Review		Management	2009-02-23
FAR	Frame Analysis Report		Technical - General	2009-02-23
FAV	Favorable Tolerance		Engineering	2009-02-23
FBD	Functional Block Diagram		Engineering	2009-02-23
FCT	Flight Control Team		Technical - Operations	2010-02-23
FCVR	Functional Configuration Verification Review		Management	2009-02-16
FD	Flight Dynamics		Technical - Operations	2009-02-23
FDE	Flight Dynamics Engineer		Technical - Operations	2009-02-23
FDIR	Failure Detection, Isolation and Recovery Techniques		Engineering	2008-08-19
FDS	Flight Dynamics System		Engineering	2009-02-16
Fedora	Fedora	Unix like LINUX operation system see: http://fedoraproject.org	Technical - General	2010-05-26
FEE	Front-End Electronics		Technical - Instrument	2009-02-23
FGAN	Forschungsgesellschaft für Angewandte Naturwissenschaften eV		Organizations	2009-05-15
FIFO	First In First Out		Technical - Data Management	2009-02-23
FLEN	File Length		Technical - Data Management	2009-02-23
FM	Flight Model		Engineering	2009-02-23
FMEA	Failure Modes & Effects Analysis		Engineering	2009-02-23
FMECA	Failure Modes, Effects & Criticality Analysis		Engineering	2009-02-23
FOE	Flight Operations Engineer		Technical - Operations	2009-02-23
FOM	Figure of Merit		Engineering	2009-02-23
FOP	Flight Operations Plan		Technical - Operations	2009-01-27
FOP	Flight Operations Procedures	Procedures covering all satellite related issues which are necessary for safe satellite operations.	Technical - Operations	2009-02-23
FOS	Flight Operations Service		Technical - Operations	2009-02-23
FOS	Flight Operations System		Engineering	2009-02-23
FOV	Field-of-View	The solid angle through which an instrument is sensitive to radiation. (http://landsat.gsfc.nasa.gov/references/glossary.html)	Technical - Instrument	2009-02-23
FPA	Focal Plane Assembly		Technical - Instrument	2009-02-23
FPDB	Footprint Database		Technical - Data Management	2009-01-27
FPGA	Field-Programmable Gate Array		Technical - General	2009-02-23
FPT	Functional Performance Test		Engineering	2009-02-23
FQR	Flight Qualification Review		Management	2009-02-23
FRD	Facility Requirements Document		Technical - Operations	2009-01-27
FRED	Framed Raw Expanded Data		Technical - Space-Ground Communications	2009-02-23
FRR	Flight Readiness Review		Management	2009-02-23
FS	Flight Spare		Engineering	2009-02-23
FSDP	Flight Safety Data Package		Engineering	2009-02-23
FTA	Fault Tree Analysis		Engineering	2009-02-23
FTIME	Fine Time		Technical - General	2009-02-23
FTP	File Transfer Protocol		Technical - General	2010-04-22
FUN	FUNCTIONal Requirement		Management	2009-02-23
FWHM	Full width half maximum		Technical - Instrument	2009-01-27
G3OS	Global 3 Observing Systems		Organizations	2009-02-23
GaAs	Gallium-Arsenide		Technical - General	2009-02-23
GAF AG	Gesellschaft für Angewandte Fernerkundung		Organizations	2009-02-23
GB	gigabyte	Standard SI: 1 Milliarde Bytes	Technical - General	2010-05-21
GCOS	Global Climate Observing System		Organizations	2009-02-23
GCP	Global Carbon Project		Organizations	2009-02-23

Abbreviation	Term	Definition	Category	Modified at
GCP	Ground Control Point	A geographic feature of known location that is recognizable on images and can be used to determine geometric corrections to those images.	Technical - Data Management	2009-02-23
GDAS	Geospatial Data Access Service	The DIMS component GDAS is a general purpose system to manage, process, query and visualize geospatial data. As an implementation of an OGC (Open Geospatial Consortium) web service it serves raster (coverages) and vector data (features) through standard OGC interfaces.	Technical - Data Management	2010-05-26
GDS	Ground Data System		Engineering	2009-02-23
GEN	GENeral Requirement		Management	2009-02-23
GEO	Geostationary Earth Orbit		Technical - General	2008-08-19
GEOSC	Geoscience		Engineering	2010-05-20
GEOSS	Global Earth Observation System of Systems		Organizations	2009-02-23
GER	Geophysical Environmental Research		Organizations	2009-02-23
GFE	Government-Furnished Equipment		Management	2009-02-23
GFS	Global File System		Technical - Data Management	2010-05-21
GFZ	Deutsches GeoForschungsZentrum - Helmholtz-Zentrum Potsdam		Organizations	2009-02-23
GHC	Good Health Check		Technical - Operations	2009-01-27
GIS	Geographic Information System		Technical - Data Management	2008-08-19
GLE	Guidance List Element		Engineering	2009-02-23
GLS2000	Global Land Survey 2000		Applications	2010-05-20
GLS2005	Global Land Survey 2005		Applications	2010-05-20
GMES	Global Monitoring of Environment and Security		Organizations	2009-02-23
GMM	Geometrical Mathematical Model		Technical - Data Management	2009-02-23
GNS	Global Navigation System		Technical - General	2010-05-06
GNSS	Global Navigation Satellite Systems	Global Navigation Satellite Systems (GNSS) is the standard generic term for satellite navigation system that provide autonomous geo-spatial positioning with global coverage. Currently, NAVSTAR (US-GPS) & GLONASS (Russia). In development, Galileo (Europe), COMPASS/BeiDou (China).	Organizations	2010-05-20
GOFC/GOLD	Global Observation for Forest and Land Cover Dynamics		Organizations	2009-02-23
GOOS	Global Ocean Observing System		Organizations	2008-08-19
GOP	Ground Operations Plan		Technical - Operations	2009-01-27
GOS/GAW	Global Observing System/Global Atmosphere Watch		Organizations	2009-02-23
GPS	Global Positioning System		Technical - General	2008-08-19
GRD	Ground Segment Requirements Document		Management	2009-02-24
GS	Ground Segment		Management	2008-08-19
GSBD	Ground Segment Baseline Definition		Engineering	2009-02-23
GSCDR	Ground Segment - Critical Design Review		Management	2008-08-19
GSCKM	GS Phase C Kick-off Meeting		Management	2008-08-19
GSD	Ground Sampling Distance	The barycentre to barycentre distance between adjacent spatial samples on the Earth's surface corresponding to respective detector pixels, i.e. in across-track as well as along-track direction, without consideration of along-track velocity.	Technical - Instrument	2009-02-23
GSDD	Ground Segment Design Document		Management	2009-02-23
GSDP	Ground Safety Data Package		Management	2008-08-19
GSDR	Ground Segment Design Review		Management	2009-02-23
GSE	Ground Support Equipment		Engineering	2008-08-19
GSE FM	GMES Service Element Forest Monitoring		Organizations	2010-06-08
GSOC	German Space Operations Center		Organizations	2009-02-23
GSPDR	Ground Segment - Preliminary Design Review		Management	2008-08-19
GSR	Ground Segment Requirements	A Ground Segment Requirement states a need or expectation to the ground segment.	Management	2010-05-06
GSRP	Ground Safety Review Panel		Management	2009-02-23
GSSRR	Ground Segment - System Requirements Review		Management	2009-02-23
GSTS	Ground Station System		Technical - Space-Ground Communications	2009-02-23
GSTVVR	Ground Segment - Technical Verification and Validation Review		Management	2009-02-23
GSTVRR	Ground Segment - Technical Verification and Validation Readiness Review		Management	2009-02-23
GTOS	Global Terrestrial Observing System		Organizations	2009-02-23
GUI	Graphical User Interface		Technical - General	2009-03-05
HAN	Hauptauftragnehmer		Management	2009-02-23
HAR	Bus Harness Identifier		Technical - Bus	2009-01-27
HDBK	Handbook		Technical - General	2009-02-23
HDC	Hardware Decoded Command		Technical - Bus	2009-02-23
HDOP	Horizontal Dilution of Precision		Technical - Bus	2009-02-23
HHD	Horizontal Hoisting Device		Technical - Bus	2009-01-27
HILT	Hardware in the Loop Test		Engineering	2009-02-23
HK	Housekeeping		Technical - General	2009-02-23
HKH	Housekeeping History		Technical - General	2009-02-23

Abbreviation	Term	Definition	Category	Modified at
HKHF	Housekeeping History File		Technical - Data Management	2009-02-23
HKHS	Housekeeping History Sample		Technical - General	2009-02-23
HMAC	Hash-based Message Authentication Code		Technical - Operations	2010-02-23
HMAC	Keyed-Hash Message Authentication Code		Technical - Space-Ground Communications	2009-02-23
HMI	Human-Machine Interface		Technical - Data Management	2009-02-23
HPC	High Priority Commands		Technical - General	2009-02-23
HR	Hazard Report		Management	2009-02-23
HR-160	HMAC-RIPEMD-160		Technical - Operations	2010-02-23
HS	Hyper-Spectral		Technical - General	2009-02-23
HSI	Hyper-Spectral Imager		Technical - Instrument	2009-01-27
HSIA	Hardware - Software Interaction Analysis		Engineering	2009-02-23
HTG	Hyperschall Technologie G?ttingen		Organizations	2009-02-23
HTTP	Hypertext Transfer Protocol		Technical - Data Management	2009-02-23
HW	Hardware		Technical - General	2009-02-23
HyMap	Hyperspectral Mapper		Organizations	2009-02-23
I	Inspection	Inspection is a Verification Method	Engineering	2009-01-27
I	Item	An Item is a constituent of a component, where any part can be individually considered. It is the aggregation of hardware, software, equipments, procedures, roles or any of its discrete portions that is designated for configuration management and treated as a single entity. It is the functional characteristic of a part as defined by its technical or operational documents. The following item types are distinguished (separated for "Facility" and "Operations Organization"): - For "Facility": - Hardware (documented by manual and part list) - Software (documented by manual and source code/binary) - Equipment (documented by manual and part list/source code/binary) - Document - For "Operations Organization": - Procedure (documented in operations procedure) - Role (documents in operations plan) - Document	Engineering	2010-05-20
I/F	Interface	An Interface is the technical or operational common bond(ing) between parts of two subsystems. It expresses that information is exchanged between two connected subsystems.	Engineering	2009-03-05
IABG	Industrie Anlagen Betriebsgesellschaft		Organizations	2009-02-23
ICAL	Internal Calibration		Technical - Calibration/Validation	2009-02-16
ICD	Interface Control Document		Engineering	2009-02-23
ICG	Instrument Command Generator		Technical - Operations	2009-02-16
ICID	Instrument Configuration ID		Technical - Instrument	2009-02-16
ICP	Independent Control Point		Technical - General	2010-05-20
ICPU	Instrument Control and Processing Unit	The ICPU executes the instrument control software and runs the instrument by macro command sequences defined for startup, observation, calibration. The instrument imaging is controlled by the ICPU.	Technical - Instrument	2009-02-23
ICR	Implementation Change Request	Documentation to required modifications of a system. ICRs are always generated from an ECR.	Engineering	2009-02-23
ICS	Instrument cover structure	Instrument cover structure is a frame that surrounds IOU and is fastened to the bus. IPU and ICPU are mounted on ICS	Technical - Instrument	2010-04-08
ICSU	International Council for Science		Organizations	2009-02-23
ICSW	Instrument Control Software	The ICSW comprises the application software (statically linked to the operating system) including configuration files running at the HSI and controlling the operation of the HSI. The bootloader which loads the ICSW is not regarded as part of the ICSW since it is provided in a PROM by the manufacturer of the processor board.	Technical - Instrument	2009-02-23
ID	Identification		Technical - General	2009-02-23
IDL	Interactive Data Language		Technical - Data Management	2009-01-27
IEC	International Electrotechnical Commission		Organizations	2009-02-23
IEEE	Institute of Electrical and Electronics		Organizations	2009-02-23
IERS	International Earth Rotation Service		Technical - General	2010-05-24
Ifov	Instantaneous field of view	Ifov is field of view of one pixel. It defines pixel's light acceptance angle and depends on the optical properties of the system.	Technical - Instrument	2010-03-04
IFS1	Intermediate Frequency Section 1		Technical - Space-Ground Communications	2009-02-16
IFS2	Intermediate Frequency Section 2		Technical - Space-Ground Communications	2009-02-16
IFU	Interface Unit		Technical - General	2009-02-23
IGBP	International Geosphere-Biosphere Program		Organizations	2009-02-23
IGFA	International Group of Funding Agencies		Organizations	2009-02-23
IGOS	Integrated Global Observing Strategy		Organizations	2008-08-19
IHDP	International Human Dimensions Programme on Global Environmental Change		Organizations	2010-06-08
IHM	Instrument Health Monitor		Technical - Operations	2009-02-23
II	Interface Item	An Interface Item is a constituent of an interface, where any part can be individually considered. It expresses how information is exchanged between two components (of two connected subsystems).	Engineering	2009-02-23
IIF	Item Information File		Technical - Data Management	2010-02-02
ILRS	International Laser Ranging Service		Organizations	2008-08-19
IMF	Institut f?r Methodik der Fernerkundung		Organizations	2008-08-19

Abbreviation	Term	Definition	Category	Modified at
IMM	Input Multiplexer Module		Technical - General	2009-02-23
IMU	Inertial Measurement Unit		Technical - Bus	2009-02-23
INL	Integral Non-Linearity		Technical - Instrument	2009-02-23
InSAR	Interferometric Synthetic Aperture Radar		Technical - General	2008-08-19
INSPIRE	Infrastructure for Spatial Information in Europa		Organizations	2009-02-23
INT	INTerface Requirement		Management	2009-02-23
INTA	Instituto Nacional de T?cnica Aeroespacia		Organizations	2009-02-23
IO	Input/Output		Technical - Data Management	2009-02-23
IOCS	Instrument Operation & Calibration Segment		Engineering	2009-02-23
IOC-UNESCO	Intergovernmental Oceanographic Commission		Organizations	2009-02-23
IOOR	In Orbit Operational Review - Ground Segment		Management	2009-02-23
IOP	In Operations		Technical - Operations	2009-02-23
IOQR	In Orbit Qualification Review - Ground Segment		Management	2009-02-23
IOU	Instrument Optical Unit	The EnMAP instrument comprising structure, optical elements and the three focal plane units VNIR and the two SWIR units.	Technical - Instrument	2009-02-23
IOV	In-Orbit Verification		Engineering	2009-02-16
IP	Instrument Planning		Technical - Instrument	2010-05-31
IPU	Instrument Power Unit	A unit in cold redundancy configuration supplying the power from the EnMAP Bus to the EnMAP instrument.	Technical - Instrument	2009-02-23
IR	Informative Reference		Management	2010-05-31
IRD	Interface Requirements Document		Management	2008-08-19
IRR	Integration Readiness Review		Engineering	2008-08-19
IRS	Indian Remote Sensing		Organizations	2008-08-19
IRS-P6	Indian Remote Sensing Satellite		Technical - General	2010-05-20
ISDN	Integrated Services Digital Network		Management	2010-05-31
ISO	International Organization for Standardization		Organizations	2009-03-05
ISRO	Indian Space Research Organization		Organizations	2009-02-23
ISS	International Space Station		Organizations	2009-02-23
ISVV	Independent SW Verification and Validation		Engineering	2009-02-23
IT	Infoterra GmbH		Organizations	2009-02-23
ITD	InfoTerra Deutschland		Organizations	2009-02-23
ITRF	International Terrestrial Reference Frame		Technical - General	2010-05-20
ITT	Invitation to Tender		Management	2009-02-23
ITU	International Telecommunication Union		Organizations	2008-08-19
ITVV	Integration and Technical Verification and Validation		Engineering	2009-01-27
IV	Item Version	An Item Version is an instance of an item. It is an implementation of an item. It has been specifically identified for use in executing tests.	Engineering	2010-05-20
IVA	Intravehicular Activity		Organizations	2009-02-23
IVP	Integration and Validation Plan		Engineering	2010-05-06
J2000	Julian Year 2000	The standard reference epoch is 01-Jan-2000 12:00:00 ET, commonly called J2000. This is the beginning of the Julian year 2000, and corresponds to a Julian date of 2451545.0.	Technical - General	2010-08-19
JD	Justification Document		Engineering	2008-08-19
JIMO	Jupiter Icy Moons Orbiter		Organizations	2009-02-23
JPL	Jet Propulsion Laboratory		Organizations	2009-02-23
JSC	Lyndon B. Johnson Space Center		Organizations	2009-02-23
Kbps	Kilobit per second		Technical - Data Management	2009-02-23
KHB	Kennedy Space Center Handbook		Engineering	2009-02-23
KIP	Key Inspection Point		Management	2009-02-23
kNN	k-Nearest-Neighbor		Technical - Data Management	2009-02-23
KP	Kyoto Protocol		Organizations	2009-02-23
KSC	John F. Kennedy Space Center		Organizations	2009-02-23
KT	Kayser-Threde		Organizations	2009-02-23
L0	Level 0 Product	Level 0 products are internal products, prepared for further processing. The L0 products are generated using the Level 0 Processing chain (LOP) and comprises also earth datatakes as well as calibration products.	Technical - Data Management	2010-06-08
L0P	Level 0 Processing	L0P is designed for the generation of L0 products based on raw datatakes.	Technical - Data Management	2010-05-21
L1	Level 1 Product	The Level 1 product is radiometrically calibrated, spectrally characterized, geometrically characterized, quality controlled and annotated with preliminary pixel classification (usability mask). The auxiliary information (e.g. position and pointing values, interior orientation parameters, gain and offset) necessary for further processing is attached, but not applied. The L1 product is generated by the L1 processor.	Technical - Data Management	2010-05-21
L2	Level 2 Product	The Level 2 product is derived from the Level 2geo product (L2geo), atmospherically corrected and the data converted to ground surface reflectance values.	Technical - Data Management	2009-02-24
L2atm	Level 2atm Product	The Level 2atm product is derived from the L1 product, atmospherically corrected and the data converted to ground surface reflectance values. Auxiliary data for further processing are attached, but not applied.	Technical - Data Management	2010-05-21

Abbreviation	Term	Definition	Category	Modified at
L2geo	Level 2geo Product	The Level 2geo product is derived from the L1 product and geometrically corrected (correction of sensor, satellite motion and terrain related distortions) and re-sampled to a specified grid (orthorectified). Auxiliary data for further processing are attached, but not applied.	Technical - Data Management	2010-05-21
LAC	Logical Authentication Channel		Technical - Space-Ground Communications	2009-02-23
LADA	Land Degradation Assessment in Drylands		Applications	2009-02-23
LAEA	Lambert Azimutal Equal Area		Technical - General	2010-05-20
LAI	Leaf Area Index		Applications	2009-02-23
LAT	Lot Acceptance Test		Engineering	2009-02-23
LC	Land Cover		Applications	2009-02-23
LCL	Latching Current Limiter		Technical - General	2009-02-23
LCT	Laser Communication Terminal		Technical - General	2009-02-16
LED	Light-Emitting Diode		Technical - Instrument	2009-02-23
LEO	Low Earth Orbit		Technical - General	2009-02-23
LEOP	Launch and Early Orbit Phase	The critical first few orbits where appendage deployments are performed and the satellite is brought into a stable configuration. (http://envisat.esa.int/glossary/)	Technical - Operations	2009-02-16
LET	Line Energy Transfer		Technical - General	2009-02-23
LHCP	Left-Hand Circular Polarisation		Technical - Space-Ground Communications	2009-02-23
LILI	Liste der zu liefernden Dokumente		Management	2009-02-23
LISS	Linear Imaging Self-Scanning Sensor		Technical - Instrument	2010-05-20
LLI	Long Lead Item		Engineering	2009-02-23
LM	Land Management		Applications	2009-02-23
LoM	Loss of Mission		Management	2010-02-02
LoO	Likelihood-of-Occurrence		Management	2008-08-19
LOS	Line-of-Sight		Technical - General	2010-05-06
LOS	Loss of signal		Technical - Operations	2009-05-15
LPC	Limited Performance Check		Engineering	2009-02-23
LRR	Launch Readiness Review		Management	2009-02-23
LRTAP	Long-Range Transboundary Air Pollution		Applications	2009-02-23
LSB	Least Significant Bit		Technical - Data Management	2009-02-23
LSE	Lancaster Software Entwicklung GmbH		Organizations	2009-02-23
LSP	Launch Service Provider		Organizations	2010-05-26
LTDN	Local Time Descending Node		Technical - General	2009-02-23
LTS	Local Topocentric System		Technical - General	2010-05-20
LTSM	Long-Term System Monitoring		Technical - Calibration/Validation	2009-01-27
LU	Latch-Up		Technical - Bus	2009-02-23
LUT	Look-up table	Look-up table contains input and output values. When LUT correction is applied a particular signal of input value has to be replaced by corresponding output value	Technical - Calibration/Validation	2010-03-04
LVDS	Low Voltage Differential Signalling		Technical - General	2009-02-23
LVTTL	Low Voltage Transistor Transistor Logic		Technical - General	2009-03-05
M&C	Monitoring & Control		Technical - Operations	2009-02-23
MA	Monitoring & Alarm	The DIMS component constantly monitors the health of all DIMS services and the states of the requests handled by them. In case of anomalies alarm messages are sent to the operators in charge	Technical - Data Management	2010-03-04
MAB	Memory Array Board		Technical - General	2009-02-24
MAIT	Manufacturing, Assembly, Integration & Test		Engineering	2009-02-23
MAOCD	Mission Analysis and Operations Concept		Technical - Operations	2009-02-23
MAP	Multiplexed Access Point		Technical - Bus	2009-02-23
MAPTIS	Material and Process Technical Information System		Management	2009-02-23
MATLAB	MATrix LABoratory	developed by The MathWorks	Engineering	2010-05-20
Mbps	Megabit per second		Technical - Data Management	2009-02-23
MC	Macrocommand	The commands sent from the satellite bus to the HSI via mil-Bus are referred to as macrocommands.	Technical - Instrument	2010-02-02
MCB	Memory Control Board		Technical - General	2009-02-23
MCOR	Mission Close-Out Review - Ground Segment		Management	2009-02-23
MCS	Macrocommand Sequence	Macro commands can be assembled to lists which are processed sequentially. These command lists are referred to as Macro Command Sequence.	Technical - Instrument	2010-02-02
MCS	Monitoring and Control System		Engineering	2008-08-19
MCT	Mercury Cadmium Telluride		Technical - General	2009-02-23
MDR	Mission Definition Review		Management	2009-02-23
MDS	Mission Data System		Engineering	2009-02-23
MEOD	Meteorite & Earth Orbital Debris		Technical - General	2009-02-23
MEOP	Maximum Expected Operating Pressure		Technical - Operations	2009-02-16
MEOSS	Monocular Electro Optical Stereo Scanner		Technical - General	2010-05-20
MERIS	Medium Resolution Imaging Spectrometer		Organizations	2009-02-23
MET	Mission Elapsed Time		Technical - Operations	2010-02-02

Abbreviation	Term	Definition	Category	Modified at
MGSE	Mechanical Ground Support Equipment		Engineering	2009-02-23
MGT	Management File		Management	2009-02-23
MIB	Mission Information Base		Technical - Operations	2010-05-20
MIL	Military		Organizations	2009-02-23
MIP	Major Inspection Point		Management	2009-02-16
MIP	Modular Inversion Processor		Technical - Data Management	2009-02-23
MISRA	Motor Industry Software Reliability Association		Organizations	2009-02-23
MIUL	Materials Identification and Usage List		Engineering	2009-02-23
MLI	Multi-Layer Insulation		Technical - General	2009-02-23
MM	Magnetometer		Technical - Bus	2009-02-23
MM	Mass Memory		Technical - Data Management	2008-08-19
MMFS	Multi Mission Flight Support		Technical - Operations	2009-02-23
MMI	Man-Machine Interface		Technical - Data Management	2009-02-23
MMPP	Material, Mechanical Parts and Processes		Engineering	2009-02-23
MOCR	Mission Operation Close-out Review		Management	2009-02-23
MOD	Mission Operations Director		Technical - Operations	2009-02-23
MODIS	Moderate Resolution Imaging Spectrometer		Organizations	2009-02-23
MODIS	Moderate Resolution Imaging Spectroradiometer		Technical - Instrument	2010-05-20
MODTRAN	MODerate resolution atmospheric TRANsmission		Technical - General	2010-05-20
MODTRAN	Moderate Resolution Transmittance		Technical - Data Management	2009-02-23
MOI	Moment Of Inertia		Technical - Bus	2009-02-23
MOIS	Mission Operations Information System	by Rhea System S.A.	Technical - Data Management	2009-02-23
MoM	Minutes of Meeting		Management	2009-02-23
MOMS	Modular Optoelectronic Multispectral Scanner		Technical - Instrument	2009-02-23
Mon	Monitoring	Monitoring is a process of constant or periodical measurements of certain parameters in order to assess their stability	Technical - Calibration/Validation Management	2009-02-23
MOP	Mission Operations Plan		Management	2010-04-08
MOPS	Mission offline-processing system		Technical - Operations	2010-05-26
MOS	Mission Operations Manager		Management	2010-02-02
MOS	Mission Operations Segment		Management	2009-02-23
MOS	Modular Optoelectronic Scanner		Organizations	2009-02-23
MOT	Mission Operations Team		Technical - Operations	2009-02-23
MOTS	Modified off-the Shelf		Engineering	2010-06-08
MoU	Memorandum of Understanding		Management	2009-02-23
MP	Maintenance Plan		Technical - Operations	2009-02-23
MPS	Mission Planning System		Engineering	2008-08-19
MPSRD	Mission Planning Subsystem Requirements		Management	2009-02-23
MRB	Material Review Board		Management	2009-02-23
MRD	Mission Requirement Document		Management	2009-02-23
MRR	Manufacturing Readiness Review		Management	2009-02-23
MS	Multi-Spectral		Technical - General	2009-02-23
MSB	Most Significant Bit		Technical - Data Management	2009-02-16
MSFC	Marshal Space Flight Centre		Organizations	2009-02-23
MSIL	Maintenance Significant Items List		Engineering	2009-02-23
MSPE	Mean Square Positional Error		Technical - General	2009-02-23
MSU	Memory Sub-Unit		Technical - General	2009-02-23
MT	Magnet Torquer		Technical - Bus	2009-02-23
MTBF	Mean Time Between Failure		Technical - General	2009-02-23
MTF	Modulation Transfer Function	The geometric description of a detector's instantaneous field-of-view (IFOV) from the satellite. The modulation transfer function (MTF) is a frequency-based characterization of the IFOV of the plane area of a specific detector that is both sensitive to and exposed to radiation from the imaging optics. The full width-at-half-maximum (FWHM) of a 2-dimensional line-spread function is a spatial representation of IFOV. MTF is the ratio of the contrast of the output to the input image as a function of frequency. MTF is defined as the magnitude of the Fourier transform of the line spread function. Common units of IFOV are radians, steradians (sr) or degrees. Because of the common optics and the similar size, detectors within a spectral band are usually assumed to have identical IFOVs. An IFOV expressed in spatial rather than angular units, such as 30 m for a TM detector, is altitude-dependent. An instrumental in-vacuum MTF is modulated further by the atmosphere, which broadens the nominal instrumental IFOV, such that it is not possible to resolve features as easily on the ground. If the structural aspects of the	Technical - Instrument	2009-02-23
MTL	Master Time Line		Technical - Operations	2009-02-16
MTO	Mission Time On-board		Technical - Bus	2009-02-23
MTTR	Mean Time to Repair		Technical - General	2009-02-23
MUA	Material Usage Agreement		Engineering	2009-02-23
MVC	Model-View Controller		Technical - Operations	2009-02-23
N/A	Not Applicable		Management	2009-02-23
NAGIOS	NAGIOS	NAGIOS is a monitoring system that enables organizations to identify IT infrastructure problems. Under GNU General Public License published See http://www.nagios.org .	Technical - General	2010-05-26

Abbreviation	Term	Definition	Category	Modified at
NASA	National Aeronautics & Space Administration		Organizations	2009-02-23
NASCOM	NASA Communications Network		Organizations	2009-02-23
NC	Non-Conformance		Management	2009-02-23
NCH	Noise Characterisation		Technical - Calibration/Validation	2009-02-23
NCR	Non-Conformance Report	Documentation of problems being identified during testing and operation, where a system or product does not perform according to valid requirements.	Management	2009-02-23
NCTRS	Network Controller and Telemetry Router		Technical - Space-Ground Communications	2009-02-23
ND	Normative Document		Management	2009-02-23
NDI	Non-destructive Inspection		Engineering	2009-02-23
NDIU	Network Data Interface Unit		Technical - Space-Ground Communications	2009-02-23
NER	Noise Equivalent Radiance	At-Sensor Radiance level corresponding to a SNR = 1.	Technical - Calibration/Validation	2009-02-23
NFS	Network File System	specific brand of distributed file system	Technical - Data Management	2010-05-21
NGO	Non-Governmental Organizations		Organizations	2009-02-23
NOP	Non-Operations		Technical - Operations	2009-02-23
NORAD	North American Aerospace Defense Command	North American Aerospace Defense Command (NORAD). Aerospace warning and Aerospace control.	Organizations	2010-05-21
NOV	Non-Volatile memory		Technical - General	2009-02-23
NPRD	Nonelectronic Parts Reliability Data		Engineering	2008-08-19
NPSL	NASA Parts Selection List		Engineering	2009-02-23
NR	Normative Reference		Management	2010-05-31
NRB	Non-conformance Review Board		Management	2009-02-23
NSG	Neustrelitz Ground Station		Engineering	2009-02-23
NSTS	National Space Transportation System		Organizations	2009-02-23
NSTS/ISS	National Space Transportation System / ISS		Organizations	2009-02-23
NTP	Network Time Protocol		Technical - General	2009-05-15
NUC	Non-Uniformity Correction		Technical - Instrument	2009-02-23
NZ	Neustrelitz		Organizations	2009-02-23
OA	Observation Area	Observation Areas (OA) are regions on Earth's surface considered as targets for hyperspectral imaging with EnMAP-HSI. OAs are defined through sets of geographic coordinates. The parameter set depends on the type of Observation Request, i.e. whether the data can be acquired with a single data take or whether multiple passes are required.	Technical - Operations	2010-06-08
OAD	Operational Applicable Document		Technical - Operations	2009-02-23
OBDH	On-Board Data Handling		Technical - Data Management	2009-02-23
OBEH	On-Board Event History		Technical - Operations	2010-02-19
OBT	On-Board Time		Technical - Bus	2008-08-19
OC	Ordering Control	The DIMS component OC is responsible to host, handle and process all orders from customers within the DIMS context. It provides ordering workflow functions including customer management, order status reporting, sensitivity checks, initiation of production and dissemination as well as for order accounting support.	Technical - Data Management	2010-03-04
OCS	Orbit Control System		Technical - Bus	2009-02-23
OFIRA	Object Feature-based Image Registration Algorithm		Technical - General	2010-05-20
OGSE	Optical Ground Support Equipment		Engineering	2009-01-27
OHB	Orbitale Hochtechnologie Bremen-System AG		Organizations	2010-05-31
OMU	Output Multiplexer Unit		Technical - General	2009-02-23
OOA	Object-Oriented Analysis		Technical - General	2009-02-23
OOD	Object Oriented Design		Technical - General	2009-02-23
OOL	Out-of-limit		Technical - Data Management	2010-04-22
OOP	On-board Orbit Propagator		Technical - Bus	2010-05-06
OP	Oberpfaffenhofen		Organizations	2010-04-27
OP	Observation Planning	Observation Planning (OP) is a planning activity performed by users ahead of submitting a Proposal or issuing an Observation Request. OP is supported by the EnMAP Data Access Portal with the same tools used for processing Observation Requests.	Technical - Operations	2010-05-22
OPE	OPERational Requirement		Management	2009-02-23
OPG	Online/Offline Product Generation and Delivery	The DIMS component OPG generates custom-made delivery packages of ordered product items, either for online transfer or on media. It controls devices like CD/DVD production systems or tape autoloaders	Technical - Data Management	2010-03-04
OR	Observation Request	Observation Requests (OR) are requests issued by registered users to the ground segment through the Data Access Portal asking for Data Takes. The OR provides all information required for scheduling data takes such as location and extension of the Observation Area, acquisition time-frame, sensor look angle, and data product level(s).	Technical - Operations	2009-08-11
ORR	Operational Readiness Review		Management	2009-02-23
ORU	Orbital Replaceable Unit		Technical - General	2009-02-23
OS	Operating System		Technical - General	2009-02-16
OSI	Open Systems Interconnection		Technical - General	2009-02-23
OT	Operating Tool	The DIMS component OT is the graphical user interface to DIMS that allows operators to browse, visualize and manipulate the product library contents, the system status or the active requests at the DIMS services.	Technical - Data Management	2010-03-04
OTP	Operational Training Plan		Management	2010-04-21
OTS	Off-the-shelf		Engineering	2009-02-23
OV	Over-Voltage		Technical - General	2009-02-23
OVP	Operational Validation Plan		Management	2010-04-13

Abbreviation	Term	Definition	Category	Modified at
OVR	Operational Validation Readiness Review		Management	2009-02-23
P/L	Payload	The instruments that are accommodated on a spacecraft. (http://earthobservatory.nasa.gov/Library/glossary.php3)	Engineering	2009-02-16
PA	Product Assurance		Management	2009-02-23
PA/S	Product Assurance & Safety		Management	2009-02-23
PAD	Parts Approval Document		Management	2009-02-23
PAH	Polyaromatic Hydrocarbons		Technical - General	2009-02-23
PAP	Product Assurance Plan		Management	2009-02-23
PAR	Photosynthetic Active Radiation		Technical - Instrument	2009-02-23
PAU	Power Amplifier Unit		Technical - General	2009-02-23
PC	Personal Computer		Technical - Data Management	2009-02-23
PC	Production Control	The DIMS component PC is responsible for production chain organization and workflow functions. It provides a flexible configuration interface that allows to plug-in workflow specific logic.	Technical - Data Management	2010-03-04
PCB	Printed Circuit Board		Engineering	2009-02-23
PCN	Panel Calibration Network		Technical - Calibration/Validation	2009-02-23
PcR	Processing Request	Processing Requests are subjobs of a Production Request(PdR) in Processing System Management (PSM)	Technical - Data Management	2010-05-26
PCV	Processor and Calibration/Validation		Management	2010-05-26
PCVR	Physical Configuration Verification Review		Management	2009-02-16
PDN	Panel Distribution Network		Technical - Calibration/Validation	2009-02-23
PDOP	Positional Dilution of Precision		Technical - Bus	2009-02-23
PDR	Preliminary Design Review		Management	2009-02-23
PdR	Production Request	Production requests are exchanged between DIMS Ordering Control (OC), DIMS Production Control (PC) and the Processing System Management (PSM) component of connected processing systems. A production request contains information about input products, output products, processing parameters and additional administration parameters.	Technical - Data Management	2010-06-08
PER	PERformance Requirement		Management	2009-02-23
PFD	Power Flux Density		Technical - General	2009-02-23
PFM	Protoflight Model		Engineering	2009-02-23
PGS	Payload Ground Segment		Management	2009-02-23
PHR	Payload Hazard Report		Management	2009-02-23
PI	Principal Investigator		Organizations	2009-02-23
PID	Process Identification		Technical - Data Management	2009-02-23
PINTA	Program For Interactive Timeline Analysis		Technical - Operations	2009-01-27
PL	Product Library	The PL is the central component of DIMS responsible for consistent long-term storage of digital products. It is backed up on archiving solutions for primary data and database systems for the inventory. Various other DIMS components use the PL to access metadata and data	Technical - Data Management	2010-03-04
PLA	ProjektLeiter Arbeitskreis		Management	2009-02-23
PLATO	Planning Tool		Technical - Operations	2009-02-16
PM	Program Memory		Technical - General	2009-02-23
PM	Project Management		Management	2009-02-23
PMM	Payload Mission Manager		Technical - Operations	2009-02-23
PMP	Parts, Materials and Processes		Engineering	2009-02-23
PMS	Project Management Support-Tool		Management	2010-05-03
PN	Probability (of occurrence) Number		Engineering	2009-02-23
PNode	PSM Processing Node		Technical - Data Management	2010-05-21
PO	Payload Organization		Engineering	2009-02-23
PPCB	Part Procurement Control Board		Engineering	2009-02-23
PPDP	Primary Power Distribution Panel		Technical - General	2009-01-27
PPL	Preferred Parts List		Management	2009-02-23
PPP	Public Private Partnership		Organizations	2009-02-16
PPS	Pulse per Second		Technical - General	2009-02-23
PRB	Project Review Board		Management	2009-02-16
PRD	Project Requirements Document		Management	2009-02-23
PRI	Physiological Reflectance Index		Technical - Instrument	2009-02-23
PRISM	Panchromatic Remote-sensing Instrument for Stereo Mapping		Technical - Instrument	2010-05-20
PRNU	Photo Response Non Uniformity		Technical - Instrument	2008-03-26
PRNU	Photo Response Non-Uniformity	Photo response non-uniformity is one source of pattern noise in detector arrays. It is seen as the variation in pixel responsivity to the same illumination over the array	Technical - Calibration/Validation	2010-06-08
PROM	Programmable Read-Only Memory		Technical - General	2009-03-05
PROMET-V	PROcess oriented Modular Environment and Vegetation model		Applications	2009-02-23
PRR	Preliminary Requirements Review		Management	2009-02-23
PS	Processing System	A Payload Ground Segment (PGS) Processing System is the operational unit responsible for the processing of EnMAP HSI data, i.e. the generation of products of one or more product types. It comprises one or more processors and a Processor Control System integrating these processors into the operational environment of the Data & Information Management System (DIMS). The Processor Control System manages the data flow between DIMS and the processors; it is build by a DIMS Processing System Management (PSM) and a configuration including adapters to the processors.	Technical - Data Management	2009-02-16

Abbreviation	Term	Definition	Category	Modified at
PSE	Power Supply Electronics		Technical - General	2009-02-23
PSF	Point Spread Function	Image of a point like object on the focal plane.	Technical - Instrument	2009-02-23
PSM	Processing System Management	DIMS (Data & Information Management System) component within a Processing System responsible for administrative tasks like cache management and scheduling.	Technical - Data Management	2010-06-08
PSR	Power Supply RFE		Technical - General	2009-02-23
PSRP	Payload Safety Review Panel		Management	2009-02-23
PTC	Pulse Tube Cooler		Technical - General	2009-02-23
PTD	Packet Telemetry Decoder		Technical - Space-Ground Communications	2009-02-23
PTR	Post Test Review		Management	2010-05-26
PUS	Packet Utilisation Standard		Technical - General	2009-02-16
PVT	Position, Velocity, Time		Technical - General	2009-02-23
PWM	Pulse Width Modulation		Technical - Space-Ground Communications	2009-02-23
PWR	Bus Power Subsystem Identifier		Technical - Bus	2009-01-27
PWR	Power		Technical - Operations	2009-03-05
Q	Quality		Management	2009-02-23
QA	Quality Assurance		Management	2009-02-23
QAM	Quality Assurance Manager		Management	2009-02-23
QCI	Quality Conformance Inspection		Management	2009-02-23
QL	Quicklook		Technical - Data Management	2009-01-27
QM	Qualification Model		Engineering	2009-02-23
QML	Qualified Manufacturer List		Management	2009-02-23
QPL	Qualified Parts List		Engineering	2009-02-23
QPSK	Quadrature Phase Shift Keying		Technical - Space-Ground Communications	2009-02-23
QR	Qualification Review		Management	2009-02-23
QT	Qualification Test		Engineering	2009-02-23
QWIP	Quantum Well Infra-red Photodetector		Technical - Instrument	2009-02-23
R&D	Research and Development		Management	2009-02-23
R2CC	Request-TO-Command-Converter		Technical - Operations	2009-02-23
RA	Right Ascension		Technical - General	2009-02-23
RAC	Reliability Analysis Center		Engineering	2009-02-23
RAID	Redundant Array of Independent Discs		Technical - Data Management	2009-02-23
RAM	Reliability, Availability & Maintenance		Engineering	2009-02-23
RB	Raumflugbetrieb		Organizations	2010-05-31
RBD	Reliability Block Diagram		Engineering	2009-02-23
RD	Reference Document		Management	2009-02-24
RE	Report Entry		Management	2009-02-23
RF	Radio Frequency		Technical - Space-Ground Communications	2009-02-24
RfA	Request for Approval		Management	2009-02-24
RfD	Request for Deviation		Management	2009-02-23
RFDU	Radio Frequency Distribution Unit		Technical - Space-Ground Communications	2009-02-23
RfW	Request for Waiver		Management	2009-02-24
RHCP	Right-Hand Circular Polarisation		Technical - Space-Ground Communications	2009-02-23
RI	Risk Index	Score used to measure the magnitude of the risk; it is a combination of the likelihood of occurrence and the severity of consequence, where scores are used to measure likelihood and severity.	Management	2009-02-24
RID	Review Item Discrepancy	Non-conformance or discrepancy identified during a project review and formally documented within.	Management	2009-02-23
RIMan	Risk Item Manager		Management	2009-02-23
RIPEMD	RACE Integrity Primitives Evaluation Message Digest		Technical - Operations	2010-05-31
RL	Request Library	The DIMS component RL encapsulates the storage of requests providing a simple but comprehensive interface for DIMS services having requests to store for the long term.	Technical - Data Management	2010-03-04
RLC	Run Length Code		Technical - General	2010-05-20
RLE	Run-Length Encoding		Technical - Data Management	2009-02-23
RM	Risk Management		Management	2009-02-24
RMS	Root Mean Square		Engineering	2009-02-24
RMSE	Root Mean Square Error		Technical - General	2010-05-21
RNU	Response Non-Uniformity	RNU is variation in responsivity of the detector pixels to the same illumination over the entrance aperture and FOV of the system. RNU depends on the detector PRNU as well as on non-uniformity in light propagation due to optical and mechanical causes. In EnMAP RNU is applicable to the spectral row	Technical - Calibration/Validation	2010-04-08
RoD	Review of Design		Management	2009-02-24
RoI	Region of Interest		Technical - General	2009-02-24
ROIC	Read-Out Integrated Circuit		Technical - General	2009-02-24
ROSAVIAKOS	Russian Space Agency		Organizations	2009-02-24
RPC	Rational Polynomial Coefficients		Technical - General	2010-06-08
RPF	Rational Polynomial Functions		Technical - General	2010-05-06
RPG	Radar Parameter Generator		Technical - General	2009-02-23
RPL	Real Packet Length		Technical - Space-Ground Communications	2009-01-27
RPLIDX	Replay Index		Technical - Operations	2009-01-27

Abbreviation	Term	Definition	Category	Modified at
RR	Radiometric Resolution	Radiometric resolution is the Noise Equivalent Radiance which is derived from the SNR specification for VNIR and SWIR range respectively, corresponding to the least significant bit representation of the measurement chain.	Technical - Instrument	2009-02-23
RS	Remote Sensing		Technical - General	2009-02-24
RS-B	Satellite Bus Requirement Specification		Technical - Bus	2009-02-23
RSI	Receiving Station Interface		Technical - Space-Ground Communications	2009-02-23
RT	Remote Terminal		Technical - General	2009-02-23
RTC	Real Time Clock		Technical - General	2009-02-23
RTEMS	Real-Time Executive for Multiprocessor Systems		Technical - Data Management	2009-02-23
RTN	Radial, Tangential, Normal	This coordinate system is based on the location of the spacecraft relative to the Sun and the Sun's rotation axis. It is a spacecraft centered coordinate system. It is most useful for periods when the spacecraft is in interplanetary space. R = R Points from the Sun to the spacecraft T = W x R The Sun's rotation vector crossed into R N = X x Y Completes the right-handed triad	Technical - General	2010-05-26
RTOS	Real-Time Operating System		Technical - Data Management	2009-02-23
RVT	Radiation Verification Testing		Engineering	2009-02-24
RW	Reaction Wheel		Technical - Bus	2009-02-23
Rymsa	Radiaci?n y Microondas S.A		Organizations	2009-02-23
S	Safety		Management	2009-02-23
S	Similarity	Verification Method	Engineering	2009-02-23
S/C	Spacecraft		Technical - Bus	2009-02-23
S/W	Software		Technical - General	2009-02-23
S2K	SCOS2000		Technical - Operations	2010-02-23
SA	Structured Analysis		Technical - Bus	2009-01-27
SA	Subaddress		Technical - General	2009-02-23
SAA	South Atlantic Anomaly		Technical - General	2009-01-27
SAAP	Safe-And-Arm Plug		Technical - Bus	2009-02-23
SAM	Spectral Angle Mapper		Applications	2009-02-24
SAN	Storage And Archiving Network		Technical - Data Management	2009-02-23
SAND	Spectral Analysis of Dryland Degradation		Organizations	2009-01-27
SAR	Synthetic Aperture Radar		Technical - General	2009-02-23
SaVoir	Swath Acquisition Viewer	The Swath Acquisition Viewer SaVoir developed by Taitus Software / Italy Swath Acquisition Viewer is a Windows stand-alone application for analyzing potential remote sensing opportunities from earth observation satellites. By combining each satellite's orbit, sensor field of view geometry and the shape and location of a user-defined area of interest, SaVoir can determine the exact times when a satellite would be capable of observing the specified area of interest.	Technical - Operations	2010-05-24
SCC	Satellite Control Center		Technical - Operations	2009-02-23
SCC	Space Components Coordination		Technical - Bus	2009-01-27
SCF	Source Channel File	part of HSI raw data	Technical - Instrument	2010-05-21
SCI	Software Configuration Item		Engineering	2008-08-19
SCM	Shutter Calibration Mechanism	A mechanism inside the EnMAP instrument implementing the functions dark calibration, radiometric and spectral calibration with reference light sources and the observation (normally earth). For the mission critical function observation a fail-safe design is provided.	Technical - Instrument	2009-02-23
SCOE	System Check-Out Equipment		Technical - Bus	2009-01-27
SCOS-2000	Spacecraft Control and Operation System	(by ESA)	Technical - Operations	2010-02-02
SCR	System Change Request	Notification of an identified shortcoming or weakness, which might require a system change in terms of improvement (e.g. performance, cost savings).	Engineering	2009-02-23
SDH	Sun diffuser hatch	Sun diffuser hatch is a moveable part of FAD that consists of reflective diffuser, frame, vanes, rotation axis etc. SDH has two main positions: stored and working. In working position the diffuser is illuminated by sun for solar calibration	Technical - Instrument	2010-04-08
SDP	Safety Data Package		Management	2009-01-27
SE	System Engineering		Engineering	2009-01-27
SeaWIFS	Sea Wide Field Sensor		Organizations	2010-05-26
SEB	Single Event Induced Burn-out		Technical - Bus	2009-01-27
SEB	System Engineering Board		Management	2010-05-26
SEC	System Engineering & Calibration		Engineering	2009-02-23
SEE	Single Event Effect		Technical - General	2009-01-27
SEGR	Single Event Gate Rupture		Technical - General	2009-01-27
SEL	Single Event Latch-Up		Technical - General	2009-01-27
SEM	Scanning Electron Microscope		Technical - General	2010-05-26
SEP	System Engineering Plan		Engineering	2009-01-27
SEPPL	SEIf Pointing Processor Library		Technical - Operations	2009-02-23
SET	Single Event Transients		Technical - General	2009-01-27
SEU	Single Event Upset		Technical - General	2009-01-27
SFF	Spectral Feature Fitting		Applications	2009-01-27
SFTP	Secure File Transfer Protocol		Technical - General	2010-04-22
SG	Solar Generator		Technical - Bus	2009-01-27
SGP4	Simplified General Perturbations Satellite Orbit Model 4	SGP4 (Simplified General Perturbations Satellite Orbit Model 4) is a NASA/NORAD algorithm of calculating near earth satellites (i.e. calculating their orbital state vectors relative to the Earth Centered Inertial coordinate system)	Technical - General	2010-05-21
SIMSA	Spectral Imaging Mission for Science and Application		Organizations	2009-01-27
SIS	Satellite Integration Stand		Technical - Bus	2009-01-27
SLE	Space Link Extension		Technical - Space-Ground Communications	2009-01-27
SLIPR	Satellite / Launcher Interface Protectiv		Technical - General	2009-01-27
SM	Structural Model		Technical - Bus	2009-01-27
SMA	Spectral Mixture Analysis		Applications	2009-01-27

Abbreviation	Term	Definition	Category	Modified at
SMAP	Short and Medium-term Priority Environmental Action Programme		Organizations	2009-01-27
SMS	Satellite Management System		Technical - Bus	2009-02-23
SMU	Satellite Management Unit		Technical - Bus	2009-01-27
SN	Serial Number		Technical - General	2009-01-27
SNR	Signal-to-Noise Ratio	The signal S is defined as the number of signal electrons generated in detector corresponding to an At Sensor Radiance level corresponding to a 30% reflectance target at 500 m ASL, 30° sun zenith angle, 21 km visibility. The total noise (Ntotal) consists of instrument noise (Nsensor) and shot noise Nshot = sqrt(S) assumed independent from each other, i.e. Ntotal = sqrt((Nsensor) ² + S). The SNR is calculated as: SNR = S/Ntotal.	Technical - General	2009-02-24
SOAP	Simple Object Access Protocol	SOAP is a protocol specification for exchanging structured information in the implementation of Web Services in computer networks. It relies on eXtensible Markup Language (XML) as its message format, and usually relies on other Application Layer protocols (most notably Remote Procedure Call (RPC) and HTTP) for message negotiation and transmission. SOAP can form the foundation layer of a web services protocol stack, providing a basic messaging framework upon which web services can be built.	Technical - Data Management	2010-02-26
SoC	Severity-of-Consequence		Management	2009-02-23
SoC	State of Charge		Technical - Bus	2009-01-27
SoE	Sequence of Events		Technical - Operations	2009-02-23
SOW	Statement of Work		Management	2009-01-27
SPE	SAR Performance Estimator		Technical - General	2009-02-24
SPECTRA	Surface Processes and Ecosystem Changes		Organizations	2009-01-27
SPF	Single Point Failure		Technical - General	2009-01-27
SPID	Single independent source packets		Technical - Data Management	2010-02-18
SPL	Single Point Failure List		Technical - General	2010-05-26
SPOT	Système Pour l'Observation de la Terre	before: Systeme Probatoire d'Observation de la Terre	Organizations	2009-01-27
SPS	Sun Port Shutter		Technical - Instrument	2009-02-23
SPS	Sun Presence Sensor		Technical - Bus	2009-02-23
SR	System Requirement	A Subsystem Requirement states a need or expectation to a subsystem (derived from ground segment requirements).	Engineering	2009-02-23
SRAM	Static Random Access Memory		Technical - Bus	2009-01-27
SRB	Service Request Bit		Technical - General	2009-02-23
SRD	Software Requirement Document		Engineering	2009-01-27
SRD-G	System Requirements Document - Ground		Engineering	2010-06-08
SRD-S	System Requirements Document - Space		Engineering	2009-01-27
SRF	System Report File		Technical - Bus	2009-02-24
SRR	System Requirements Review		Management	2009-01-27
SRTM	Shuttle Radar Topography Mission		Organizations	2009-01-27
SS	Space Segment		Management	2010-06-08
SSB	SLE Switch Board		Technical - Space-Ground Communications	2009-01-27
SSC	Swedish Space Corporation	The Swedish Space Corporation (SSC) is a comprehensive space company covering the entire field, from the definition of innovative business concepts and space projects to the development, tests and operation of the systems. (ref: www.ssc.se)	Organizations	2010-05-21
SSDP	Subsystem Development Plan		Management	2009-01-27
SSF	Saved Command Stack Files		Technical - Operations	2009-03-05
SSM	SWIR Switch Mirror	A mechanism switching the light path by a moving mirror from the nominal SWIR unit to the redundant SWIR unit. The switching to the redundant unit can be performed only once.	Technical - Instrument	2009-08-19
SSMM	Solid-State Mass Memory		Technical - Bus	2009-02-23
SSO	Sun-Synchronous Orbit		Technical - General	2009-01-27
SSP	Space Station Programme		Technical - Operations	2009-01-27
SST	Satellite Support Team		Technical - Operations	2009-03-05
SST	Signal Sequence Table		Technical - Space-Ground Communications	2009-02-23
STD	Standard		Management	2009-01-27
STDM	Structural thermal development model	STDM is a model of IOU that has the same structural and mass properties as the IOU PFM. STDM is used for testing structural properties and thermo-control system of IOU.	Technical - Instrument	2010-04-08
STDV	Standard Deviation		Technical - Data Management	2009-02-16
STOL	Satellite Test and Operations Language		Technical - General	2009-02-16
STR	Bus Structure Subsystem Identifier		Technical - Bus	2010-02-02
STS	StarTracker Sensor		Technical - Bus	2010-05-26
STS	System Technical Specification		Engineering	2010-06-08
STSVO	Space Transportation System/Vehicle Organization		Organizations	2009-01-27
SUM	Software User Manual		Management	2009-01-27
SV	Space Vehicle		Technical - Bus	2009-01-27
SVT	System Validation Test		Engineering	2009-01-27
SVTL	Safety Verification Tracking Log		Engineering	2010-05-26
SW	Status Word		Technical - Data Management	2009-01-27
SWIR	Short Wavelength Infra-Red		Technical - General	2009-01-27

Abbreviation	Term	Definition	Category	Modified at
SWIR FPA	SWIR Focal Plane Assembly	A camera for the EnMAP instrument based on a MCT sensor for the wavelength range 900nm to 2450nm. This camera exists in a cold standby redundancy configuration. Detector cooling downto 150K nominal operational temperature by means of a pulse tube cooler driven by a flexure bearing compressor.	Technical - Instrument	2010-02-02
SWL	Safe Working Load		Technical - Bus	2009-02-23
SW-PA	Software Product Assurance		Management	2009-01-27
T	Test	Verification Method	Technical - General	2010-02-02
TAR	Technical Acceptance Review		Management	2009-02-23
TB	terabyte	Standard SI: 1 Billion Bytes	Technical - General	2010-05-21
TBC	To Be Confirmed		Management	2009-01-27
TBD	To Be Defined		Management	2009-01-27
TBW	To Be Written		Management	2010-05-14
TC	Telecommand		Technical - Space-Ground Communications	2009-01-27
TC	Test case	A Test Case is a test to be performed in a predefined assembly with predefined test data and formally documented. A Test is a formal process of exercising or putting to trial the ground segment or a subsystem by manual or automatic means to identify differences between specified, expected and actual results.	Engineering	2009-03-01
TCS	Thermal Control Subsystem		Technical - Bus	2009-02-24
TCXO	Temperature Controlled Quartz Oscillator		Technical - General	2009-01-27
TD	Test Data	Test Data is an abstract instance of a configuration interface item or a product specification.	Engineering	2010-05-06
TDV	Test Data Version	A Test Data Version is an instance of a test data. It has been specifically identified for use in executing tests.	Engineering	2010-06-08
Teldix	Teldix GmbH Heidelberg		Management	2009-02-23
TESI	Terrasar Exploitation and Service Infrastructure		Organizations	2009-02-23
TF	Transfer Frame		Technical - Space-Ground Communications	2009-02-16
TFT	Thin-film transistors		Technical - General	2009-03-05
THM	Thermal		Technical - Operations	2009-03-05
TID	Telecommand Identifier		Technical - Space-Ground Communications	2009-02-23
TID	Total Ionizing Dose		Technical - General	2010-05-26
TLE	Two-Line-Elements		Technical - Operations	2010-05-26
TLS	TMTC Link Subsystem (S-band)		Technical - Space-Ground Communications	2010-05-26
TM	Telemetry		Technical - Space-Ground Communications	2009-01-27
TMA	Three-Mirror Anastigmat		Technical - Instrument	2009-01-27
TMC	Telemetry & (Tele-)Command		Technical - Space-Ground Communications	2010-05-26
T-MCS	Terrasar-x Monitoring & Control System		Technical - Operations	2009-01-27
TML	Total Mass Loss		Technical - General	2009-02-16
TMM	Thermal Mathematical Model		Technical - Bus	2009-02-23
TMS	Telemetry and Commanding System		Technical - Operations	2009-03-05
TMTC	Telemetry/Telecommand		Technical - Space-Ground Communications	2009-01-27
TMTCPH	Telemetry / Telecommand Packet Header		Technical - Space-Ground Communications	2009-02-23
TN	Technical Note		Management	2009-01-27
TOA	Top-of-Atmosphere		Technical - General	2009-01-27
TOD	True Of Date	True of Date (TOD), The most accurate system of celestial coordinates used to define a body's position relative to the center of the Earth. This coordinate system incorporates Earth's rotation, UT corrections, precession, nutation, and polar wandering.	Technical - General	2010-06-08
TPD	Test Plan Document		Engineering	2009-02-23
TPM	Third Party Mission		Management	2010-06-08
TR	Test Report	A Test Report is the formal documentation of the results of a performed test case with a specific assembly version and specific test data versions.	Engineering	2010-05-06
TRB	Test Review Board		Management	2009-01-27
TRR	Test Readiness Review		Management	2009-01-27
TSOP	Thin Small-Outline Packages		Technical - Bus	2009-01-27
TS-X	TerraSAR-X		Organizations	2009-01-27
TT&C	Tracking, Telemetry & Command		Technical - Space-Ground Communications	2009-01-27
TTA	Thermal Test Adapter		Technical - Bus	2009-01-27
TTLE	Time-tagged Telecommand List Element		Technical - Space-Ground Communications	2009-02-23
TTTC	Time-Tagged Telecommand		Technical - Space-Ground Communications	2009-01-27
TUS1	Transmitter Up-Stage 1		Technical - Space-Ground Communications	2009-02-23
TUS2	Transmitter Up-Stage 2		Technical - Space-Ground Communications	2009-02-23
TUS3	Transmitter Up-Stage 3		Technical - Space-Ground Communications	2009-02-23
TVVR	Technical Verification and Validation Review		Engineering	2009-01-27

Abbreviation	Term	Definition	Category	Modified at
Tx	Transmitter		Technical - Space-Ground Communications	2009-01-27
UART	Universal Asynchronous Receiver Transmitter		Technical - Space-Ground Communications	2009-01-27
UBA	Umweltbundesamt - Federal Environmental Agency		Organizations	2009-01-27
UCM	Unit Controller Module		Technical - Bus	2009-01-27
UIF	User Information Services Interface Framework	The DIMS service UIF provides the interface to local or external User Information Systems (UIS). It maps product upload as well as user orders.	Technical - Data Management	2010-03-04
UML	Unified Modeling Language		Technical - General	2009-01-27
UNCCD	UN Convention to Combat Desertification		Organizations	2009-01-27
UNECE	United Nations Economic Commission for Europe		Organizations	2009-01-27
UNEP	United Nations Environment Programme		Organizations	2009-01-27
UNESCO	United Nations Educational, Scientific and Cultural Organization		Organizations	2009-01-27
UNFCCC	United Nations Framework Convention on Climate Change		Organizations	2009-01-27
UPS	Uninterruptible Power Supply		Technical - General	2010-05-21
UPS	Universal Polar Stereographic		Technical - General	2009-02-16
UR	Unresolved risk	Risk for which risk reduction attempts are not feasible, cannot be verified, or have proved unsuccessful: a risk remaining unacceptable.	Management	2009-02-24
URD	User Requirements Document		Engineering	2009-01-27
URL	Uniform Resource Locator		Technical - General	2009-01-27
USM	Universal Sensor Model		Technical - General	2010-05-06
UTC	Universal Time Coordinated		Technical - General	2009-01-27
UTM	Universal Transverse Mercator		Technical - General	2009-02-24
UV	Ultraviolet		Technical - Instrument	2008-08-19
VA	Value-Adding		Applications	2008-08-19
Val	Validation	The process of determining the spatial and temporal error fields of a given remotely sensed data product through a comparison with values derived from sampling at the surface, examination of the internal consistency of the data product, and/or comparison with modelled surrogates. The robustness of the validation program is primarily a function of the quality, sampling, and coverage of the data used for comparison. In some cases where the physics is very simple and predictable (all sources of error easily determined and predicted), validation at a few locations and times may be sufficient to provide good estimates of errors in all places and times. In other cases where the temporal and spatial variability of the products, input fields, and algorithm error budgets, are poorly known, the breadth of the validation process must be considerably larger and ongoing. In a broader context, the term validation is also used as confirmation, through provision of objective evidence that the requirements for a specific intended use or application have been fulfilled (see ECSS P-001B, ISO 9000:2000).	Technical - Calibration/Validation	2010-05-28
VCB	Verification Control Board		Engineering	2009-01-27
VCD	Verification Control Document		Engineering	2009-01-27
VCF	Virtual Channel File	part of HSI raw data	Technical - Instrument	2010-05-21
VCP	Video Management Unit Command Protocol		Technical - General	2010-05-06
VHD	Vertical Hoisting Device		Technical - Bus	2009-01-27
VHR	Very High Resolution		Technical - General	2009-01-27
VM	Verification Matrix		Engineering	2009-01-27
VNIR	Visible / Near Infra-Red		Technical - General	2009-08-11
VNIR FPA	VNIR Focal Plane Assembly	A camera for the EnMAP instrument based on a silicon CMOS image sensor (CIS) for the wavelength range 420nm - 1000nm. Thermal stabilization by a peltier cooler.	Technical - Instrument	2010-02-02
VoCS	Voice Communication System		Technical - Operations	2010-02-02
VPP	Variable Packet Processor		Technical - Data Management	2010-02-02
VRD	Verification Requirement Document		Engineering	2009-01-27
VSS	Visual Source Safe		Technical - General	2009-05-15
VTA	Vibration Test Adapter		Technical - Bus	2009-01-27
VTC	Vacuum Temperature Cycling		Technical - General	2009-02-23
VTL	Verification Tracking Log		Engineering	2009-01-27
VTR	Verification Test Review		Engineering	2009-02-23
w.r.t.	with respect to		Management	2009-01-27
WBS	Work Breakdown Structure		Management	2009-01-27
WCA	Worst Case Analysis		Engineering	2008-07-25
WCRP	World Climate Research Program		Organizations	2009-01-27
WCS	Web Coverage Service	The Web Coverage Service (WCS) is an Open Geospatial Consortium interface standard. It supports platform-independent calls for geographical coverages across the web. The coverages are objects (or images) in a geographical area.	Technical - Data Management	2010-05-24
WGS	World Geodetic System		Technical - General	2009-02-23
WGS84	World Geodetic System 1984	The World Geodetic System is a standard for use in cartography, geodesy, and navigation. It comprises a standard coordinate frame for the Earth, a standard spheroidal reference surface (the datum or reference ellipsoid) for raw altitude data, and a gravitational equipotential surface (the geoid) that defines the nominal sea level. The latest version is WGS84.	Technical - General	2010-05-20
WHM	WeilHeim-Bodenstation		Technical - Operations	2009-02-23
WMO	World Meteorological Organization		Organizations	2009-01-27
WMS	Web Map Service	Web Map Service (WMS) is a protocol standard for serving georeferenced map images. The images are generated by a map server.	Technical - Data Management	2010-05-24
WP	Work Package		Management	2009-01-27
WPD	Work Package Description		Management	2009-01-27
WSDL	Web Services Description Language	XML-based language that provides a model for describing Web services	Technical - Data Management	2010-02-26

Abbreviation	Term	Definition	Category	Modified at
WTA	Warning Time Analysis		Technical - Space-Ground Communications	2009-01-27
XBDA	X-band Downlink Assembly		Technical - Space-Ground Communications	2009-02-23
XBDU	X-band Downlink Unit		Technical - Space-Ground Communications	2009-01-27
XD	Extended Decommutation		Technical - Space-Ground Communications	2009-02-16
XML	Extensible Markup Language		Technical - Data Management	2009-02-23
XMOD	X-band Modulator		Technical - Space-Ground Communications	2009-01-27
XTCE	XML Telemetric & Command Exchange		Technical - Data Management	2010-02-25
ZARM	Zentrum für angewandte Raumfahrttechnik		Organizations	2009-02-23