

SENTINEL HANDBOOK ACRONYM LIST

AATSR	Advanced Along-Track Scanning Radiometer
AAC	Alternative Atmospheric Correction (algorithm)
AATSR	Advanced Along-Track Scanning Radiometer
ACE	Altimeter Corrected Elevation Model
ACP	Atmospheric Correction Processor
AD	Applicable Document
ADD	Architecture Design Document
ADF	Auxiliary Data File
ADG	Absorption coefficients of both CDOM and detritus exhibit
ADS	Auxiliary Data Set
AGC	Automatic Gain Control
AIL	Action Item List
AIT	Assembly Integration & Testing
AIV	Assembly Integration and Verification
AL	Along Track
AME	Absolute Measurement Error
AMIN	Aerosol Model Index Number
ANC	ANCillary dataset
ANSI	American National Standards Institute
ANX	Ascending Node Crossing
AOCS	Attitude and Orbit Control System
AOD	Aerosol Optical Depth
API	Application Programming Interface
APID	Application Identification number
APR	Along-track view Pixel Resolution
ARGANS	Applied Research in Geomatics, Atmosphere, Nature and Space
ATBD	Algorithm Theoretical Baseline Document
ART	Absolute Reference Time
ASCII	American Standard Code for Information Interchange
ASTER	Advanced Spaceborne Thermal Emission
AU	Astronomical Unit
AVHRR	Advanced Very High Resolution Radar
AVNIR	Advanced Visible and Near Infrared Radiometer
BAC	Baseline Atmospheric Correction (algorithm)
BB	Black Body
BBOX	Bounding Box
BC	Brockmann Consult GmbH
BEAM	Basic Envisat AATSR and MERIS Toolbox
BEAM VISAT	BEAM Visualisation and Analysis Tool
BER	Bit Error Rate
BEST	Basic Envisat SAR Toolbox
BOA	Bottom Of Atmosphere
BOL	Beginning Of Life
BRDF	Bidirectional Reflection Distribution Function
BRF	Bidirectional Reflectance Factor
BT	Brightness Temperature
BW	Browse
CAST	Chinese Academy of Space technology
CCD	Charge-Coupled Device
CCS	Command and Control Subsystem

CCSDS	Consultative Committee for Space Data Systems
CDH	Control and Data Handling
CDHS	Control and Data Handling Subsystem
CDL	netCDF Common Data Language
CDM	Coloured Dissolved Matter
CDOM	Coloured Dissolved Organic Matter
CDR	Critical Design Review
CDS	Coordinated Data access System
CDS-CI	CDS Core Infrastructure
CDS-PPE	CDS Post Processing Element
CDS-SCI	CDS Services Coordinated Interface
CDS-SPR	CDS System Performance and Reporting
CEOS	Committee on Earth Observation Satellites
CF	Climate Format
CFI	Customer Furnished Item
CFS	Canadian Forest Service
CHL	Chlorophyll
CHRIS	Compact High Resolution Imaging Spectrometer
CM	Calibration Mechanism
CLD	Clout LUT dataset
CLI	Command-Line Interface
CLS	Collecte Localisation Services
CM	Calibration Mechanism
CNES	Centre Nationale Etudes Spatiales
COARDS	Cooperative Ocean/Atmosphere Research Data Service
COG	Centre Of Gravity
CONF	Level 1b processor configuration dataset
COSA	Camera Optical Sub Assembly
COSAR	Complex SAR
COTS	Commercial Off-The-Shelf
COV	Coefficient Of Variation
CPU	Central Processing Unit
CQC	Coordinated Quality Control
CRAAS	Centralized Routing Authentication and Authorisation Service
CRC	Cyclic Redundancy Check
CRR	Computing Resources Requirements
CSA	Canadian Space Agency
CSS	Cascading Style Sheet
CT	Classification Thresholds (bright and glint)
CZCS	Coastal Zone Colour Scanner (NASA)
DA	Detection Assembly
DAM	Data Access Management
DAP	Data Access Protocol
DAT	Display and Analysis Tool
DDD	Detailed Design Document
DDF	Design Definition File
DEM	Digital Elevation Model
DF	Data File
DIL	Deliverable Item Status List
DJR	Design Justification File
DI	Dimensionless
DLR	Germany's national research centre for aeronautics and space
DMS	dimethylsulfide
DND	Canadian Department of National Defence

DP	Dual Polarisation
DPM	Detailed Processing Model document
DORIS	Doppler Orbit determination and Radio positioning Integrated on Satellite
DPU	Digital Processing Unit
DVP	Design and Verification Plan
DWH	Data Warehouse
EC	European Commission
ECMWF	European Centre for Medium-Range Weather Forecasting
ECSS	European Cooperation for Space Standardisation
ECV	Essential Climate Variable
EDAC	Error Detection And Correction
EE	Earth Explorer
EEE	Electrical Electronic and Electromechanical
EEPROM	Electrically Erasable and Programmable Read Only Memory
EGSE	Electrical Ground Support Equipment
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
ENVISAT	ENVironment SATellite
EO	Earth Observation
EOL	End of Life
EOQC	Earth Observation Quality Control
EPM	Earth Pointing Mode
ERR	Earth observation Reduced Resolution
ERS	European Remote Sensing satellite
ESA	European Space Agency
ESLs	Expert Support Laboratories
ESOC	European Space Operations Centre
ESRIN	ESA Centre for Earth Observation
ESTEC	European Space Research and Technology Centre
ETM	Enhanced Thematic Mapper
EU	European Union
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
EW	Extra-Wide Swath
FAPAR	Fraction of Absorbed Photosynthetically Active Radiation
FAQ	Frequently Asked Questions
FBDAQ	Flexible Dynamic Block Adaptive Quantization
FEP	Front End Processor
FES	Finite Element Solution
FOS	Flight Operations Segment
FOV	Field-Of-View
FPA	Focal Plane Assembly
FR	Full Resolution
FRP	Fire Radiative Power
FST	Fire Surface Temperature
FTP	File Transfer Protocol
FTS	Fast Track Service
GAC	Global Area Coverage
GAMME	GMES Harmonisation in a Multi Mission Environment
GC	Geometric Calibration Dataset
GCMs	GMES Contributing Missions
GCOS	Global Climate Observing System
GCP	Ground Control Point
GDEM	Global Digital Elevation Model

GDR	Geophysical Data Record
GEO	Group on Earth Observations / Geometry Dataset
GeoTIFF	Geographic Tagged Image File Format
GFDL	Geophysical Fluid Dynamics Laboratory
GHG	GreenHouse Gases
GHRSSST	GODAE High Resolution Sea Surface Temperature
GIIG-ICD	Generic IPF Interface Guidelines
GIM	Geocoded Incidence angle Mask
GIM	Global Ionospheric Maps
GIPP	Ground Image Processing Parameters
GIS	Geographic Information System
GLAS	Greenland Geoscience Laser Altimeter System
GMES	Global Monitoring for Environment and Security
GNSS	Global Navigation Satellite System
GODAE	Global Ocean Data Assimilation Experiment
GOSIC	Global Observing Systems Information Center
GOT	Global Ocean Tides
GPF	Graph Processing Framework
GPM	Generic Product Model
GPRW	Gain Profile Range Window
GPS	Global Positioning System
GRD	Ground Range Detected
GRI	Global Referencing Image
GRDM	Ground Range Detected Multilooked
GSC	GMES Space Component
GSCDA	GMES Space Component Data Access
GSE	GMES Service Element
GSFC	Goddard Space Flight Center
GSPs	GMES Service Projects
GUI	Graphical User Interface
HDF	Hierarchical Data Format
HH	Horizontal transmit, Horizontal receive SAR polarization
HR	High Resolution
HTML	HyperText Markup Language
HV	Horizontal transmit, Vertical receive SAR polarization
H/W	Hardware
IC	Instrument Characterisation
ICD	Interface Control Document
ICRF	International Celestial Reference Frame
IDE	Integrated Development Environment
IDEAS	Instrument Data Quality Evaluation and Analysis Service
IEEE	Institute of Electrical and Electronics Engineers
IERS	International Earth Rotation Service
I/F	Interface
IF	Intermediate Frequency
IFOV	Instantaneous Field of View
IMT	Inverse Modelling Technique
I/O	Input/Output
IOCR	In Orbit Commissioning Review
IODD	Input Output Data Definition Document
IOCCG	International Ocean-Colour Coordinating Group
IPCC	Inter-governmental Panel on Climate Change
IPF	Instrument Processing Facility

IR	Infrared
IRTM-NN	Inverse Radiative Transfer Model-Neural Network
ISAR	Infrared SST Autonomous Radiometer
ISO	International Organization for Standardization
ISP	Instrument Source Packet
ISPRS	International Society for Photogrammetry and Remote Sensing
ISVV	Independent Software Verification and Validation
ITRF	International Terrestrial Reference Frame
ITS-90	International Temperature Scale of 1990
ITU	International Telecommunications Union
IW	Interferometric Wideswath
IWV	Integrated Water Vapour column
JAI	Java Advanced Imaging
JAR	Java archive file
JPEG	Joint Photographic Experts Group, but commonly used to describe and image format
JRC	Joint Research Centre
KML	Keyhole Markup Language
L0	Level 0
L1	Level 1
L2	Level 2
L3	Level 3
LAC	Local Area Coverage
LAI	Leaf Area Index
LFR	Land Full Resolution / Lambert equivalent reflectance
LIDAR	Light Detection And Ranging (system)
LMA	Levenberg-Marquardt Algorithm
LQSF	Land Quality and Science Flags
LRA	Laser Retro-reflector Array
LRM	Low Resolution Mode
LRR	Laser Retro-Reflector / Land Reduced Resolution
LS	Lower Stratosphere
LSB	Least Significant Bit
LST	Land Surface Temperature
LST	Land Surface Temperature
LTM	Long Term Monitoring
LUC	Land Use and land Cover
LUT	Look Up Table
LWCM	Land/Water/Coastline Map
LWIR	Long Wave Infra-Red
MARS	Monitoring Agricultural ResourceS
MBR	Maximum-Band-Ratio
MD	Measurement Dataset / Meteorological Data
MDT	Mean Dynamic Topography
MERSEA	Marine Environment and Security for the European Area Integrated project
MERIS	Medium Resolution Imaging Spectrometer
MGVI	MERIS Global Vegetation Index
MIR	Mid Infra-Red
MIRI	Mid Infra-Red Instrument
MLE	Maximum Likelihood Estimation
MMI	Man Machine Interface
MODIS	Moderate Resolution Imaging Spectrometer
MPC	Mission Performance Centres
MPH	Main Product Header

MPPT	Maximum Power Point Tracker
MQE	Mean Quadratic Error
MR	Medium Resolution
MRD	Mission Requirements Document
MSI	Multi-Spectral imaging Instrument
MSLP	Mean Sea Level Pressure
MSS	Mean Sea Surface
MTCI	MERIS Terrestrial Chlorophyll Index
MTF	Modulation Transfer Function
MTL	Mission Timeline
MVT	MERIS Validation Team
MWIR	Medium Wave Infrared
MWR	Microwave Radiometer
N/A	Not Applicable
NASA	National Aeronautics and Space Administration
NAVATT	Navigation and Attitude
NcML	netCDF Markup Language
NCR	Non-Conformance Report
NDSI	Normalised Difference Snow Index
NDVI	Normalised Difference Vegetation Index
NED	National Elevation Dataset (USGS)
NEDL	Noise Equivalent Differential Luminance
NEDT	Noise Equivalent Differential Temperature
NEST	Next ESA SAR Toolbox
NetCDF	Network Common Data Form
NIR	Near Infrared
nLw	Normalised Water-leaving Radiance
NOAA	National Oceanic and Atmospheric Administration
NOMAD	NASA Bio-optical Marine Algorithm Data Set
NPP	Net Primary Production
NPR	Nadir view Pixel Resolution
NRT	Near Real Time
NSSDC	National Space Science Data Centre
NTC	Non Time Critical
NTFS	New Technology File System
NVRAM	Non-Volatile RAM
O-SPS	Optical System Performance Simulator
OAA	Observational Azimuth Angle
OAIS	Reference Model for an Open Archival Information System
OBT	On-Board Time
OC	Ocean Colour
OCS	Carbonyl sulphide
ODESA	Optical Data Processor of the European Space Agency
OE	Optimal Estimation
OF	Orbit file
OEU	OLCI Electronic Unit
O-GPP	Optical Ground Prototype Processor
OGVI	OLCI Global Vegetation Index
OLCI	Ocean and Land Colour Instrument
OLQC	OnLine Quality Control
OME	Optomechanical Enclosure
OSW	Ocean SWell spectra
OTCI	OLCI Terrestrial Chlorophyll Index

OWI	Ocean Wind field
OZA	Observation Zenith Angle
PA	Product Assurance
PAR	Photosynthetically Active Radiation
PCD	Product Confidence Data
PDF	Portable Document Format
PDGS	Payload Data Ground Segment
PDL	Parameters Data List
PDR	Preliminary Design Review
PDS	Payload Data Segment
PDU	Product Data Units
PF	Processing Facility
PF-SC	Processing Facility - Stand-alone Chain
PH	Product Handbook
POD	Precise Orbit Determination
POO	Position On Orbit
PQL	Preliminary Quicklook
PR	Pixel Resolution
PRF	Pulse Repetition Frequency
PRISM	Panchromatic Remote-sensing <i>Instrument</i> for Stereo Mapping
PROBA	PRoject for On-Board Autonomy (mission)
PSF	Point Spread Function
PT	Product Tree
PTFE	Polytetrafluoroethylen
PTR	Point Target Response
QA	Quality Assurance
QA4EO	Quality Assurance for Earth Observation
QC	Quality Control
QI	Quality Indicator
QL	Qualification Load
QP	Quad-Polarization
QR	Qualification Review
QWG	Quality Working Group
RAC / RC	Radiometric Calibration
RAL	Rutherford Appleton Laboratory
RAM	Random Access Memory
RAN	Re-ANalysis
RA	Radar Altimeter
RAR	Range Ambiguity Ratio
RB	Requirement Baseline
RC	Radiometric and spectral Calibration
RCP	Rich Client Platform
RD	Reference Document
REP	Red-Edge Position
RF	Radio Frequency
RFU	Radio Frequency Unit
RMS	Root Mean Square
ROI	Region Of Interest
RPE	Relative Pointing Error
RR	Reduced Resolution
RSL	Reference Slant Range
RSS	Root Sum Square
RSTB	RADARSAT-2 Toolbox
RTC	Real Time Clock

RVL	surface Radial VeLocity
S/C	Spacecraft
S/W	Software
S-1	Sentinel-1
S-2	Sentinel-2
S-3	Sentinel-3
SAA	Sun Azimuth Angle
SAFE	Standard Archive Format for Europe
SAR	Synthetic Aperture Radar
SDF	Structured Data File markup language
SDP	Software Development Plan
SDRSR	Spectral Diffuser Relative Spectral Reflectance
SEN4SCI	SENtinels for SCIENCE
SeaWiFS	Sea-viewing Wide Field-of-view Sensor
SEU	Single Event Upset
SISTeR	Scanning Infrared Sea surface Temperature Radiometer
SI	Systeme International
SLC	Single Look Complex
SLR	Satellite Laser Ranging
SLSTR	Sea and Land Surface Temperature Radiometer
SM	Stripmap
SME	Small to Medium sized Enterprise
SMU	Satellite Management Unit
SNR	Signal to Noise Ratio
SO2	Sulfur Dioxide
SPA	Software Product Assurance
SPC	Spectral Calibration
SPF	Single Point Failure
SPH	Specific Product Header
SPM	Suspended Particulate Matter
SPOT	Satellite Pour l'Observation de la Terre
SPS	System Performance Simulator
SIRAL	SAR Interferometric Radar ALtimeter
SRAL	SAR Radar ALtimeter
SRB	Surface Radiation Budget
SRDF	Spectral Region Distribution Function
SRF	Surface Radiation Budget
SRR	System Requirements Review
SRTM	Shuttle Radar Topography Mission (US)
SSA	Spatial Sampling Angle
SSB	Sea State Bias
SSD	Spatial Sampling Distance
SSES	Single Sensor Error Statistic
SSH	Sea Surface Height
SSI	Spatial Sampling Interval
SSP	Sub-Satellite Point
SST	Sea Surface Temperature
STC	Short Time Critical
SUHET	Sentinel User Handbook and Exploitation Tools
SUM	Software User Manual
SVF	Software Validation Facility
SV	State Vector
SVP	Software Verification Plan

SVR	Software Validation Report
SYN	Level 2 vegetal products derived from SLSTR/OLCI Level 1C synergy
SWA	Scrambling Window Assembly
SWH	Significant Wave Height
SWIR	Short Wave Infra-Red
SWSA / SWA	Scrambling Window Assembly
SWU	Scrambling Window Unit
SZA	Solar Zenith Angle
TAI	Temps Atomique International
TAS-F	Thales Alenia Space - France
TBC	To Be Confirmed
TBD	To Be Determined
TBS	To Be Specified
TB	Thermal Balance
TC	Telecommand
TCWV	Total Column Water Vapour
TIR	Thermal infrared
TDD	Test Definition Document
TDI	Time Delay and Integration
TDS	Test Data Set
THREDDS	Thematic Realtime Environmental Distributed Data Service
TIFF	Tagged Image File Format
TMM	Thermal Mathematical Model
TM	Telemetry
TNs	Technical Notes
TOA	Top Of Atmosphere
TOC	Top of Canopy
TCO3	Total Column Ozone
TOPSAR	Terrain Observation with Progressive Scans SAR
TPD	Test Procedures Document
TPM	Third Party Mission
TRP	Temperature Reference Point
TS	Technical Specification
TSM	Total Suspended Matter
TT&C	Telemetry Tracking and Command
TVC	Thermal Vacuum Chamber
TVT	Thermal Vacuum Test
UCAR	University Corporation for Atmospheric Research
UKMO	UK Met Office
UML	Unified Modelling Language
UNFCCC	United Nations Framework Convention on Climate Change
URD	User Requirement Document
USDA	United States Department of Agriculture
USGS	United States Geological Service (US)
USO	Ultra-Stable Oscillator
UT	Upper Troposphere
UTC	Universal Time Code
UTF	Uniform Transformation Format
UTM	Universal Transverse Mercator
UV	Ultra Violet
VAL	Validation
VAM	Video Acquisition Module
VCDU	Virtual Channel Data Unit
VCID	Virtual Channel Identifier

VC	Virtual Channel / Vicarious Calibration
VGT	Level 2 continuation of SPOT VEGETATION products
VH	Vertical transmit, Horizontal receive SAR polarization
VIMS	Visible and Infrared Mapping Spectrometer
VIRTIS	Visible and IR Thermal Imaging Spectrometer
VISCAL	Visible Calibration
VIS	Visible
VISCAL	VISible CALibration (ADF computed during the previous orbit)
VNIR	Visible and Near Infra-Red
VV	Vertical transmit, Vertical receive SAR polarization
WCRP	World Climate Research Programme
WCT	Water Composed Temperature
WFR	Water Full Resolution
WGS	World Geodetic System
WGS84	World Geodetic System Revision 84
WMO	World Meteorological Organization
WQSF	Water Quality and Science Flags
WRR	Water Reduced Resolution
WRT	With Respect To
WST	Water Surface Temperature
WV	Wave Mode
XML	Extensible Markup Language
XSD	XML Schema Definition
XSVE	X-band Subsystem Validation Equipment