

Acronyms

ABW	Antarctic Bottom Water
ADCP	Acoustic Doppler Current Profiler
ADEOS	Advanced Earth Observing Satellite
AF-FOV	alias-free field-of-view
AIS	Automatic Identification System
ALTICORE	ALTImetry for COastal Regions (project)
AM	Active Microwave(s)
AMSR-E	Advanced Scanning Microwave Radiometer
AOD	Aerosol Optical Depth
ARTIST	Arctic Radiation and Turbulence Interaction Study
ASAR	Advanced Synthetic Aperture Radar
ASCAT	Advanced Scatterometer
ASTER	Advanced Spaceborne Thermal Emission Reflection Radiometer
ATI	Along-Track Interferometric Synthetic Aperture Radar
ATSR	Along-Track Scanning Radiometer
AVHRR	Advanced Very High Resolution Radiometer
AW	Atlantic Waters
BAW	Bundesanstalt für Wasserbau (Federal Waterways Engineering and Research Institute, Germany)
BC	Before Christ
BF	Beam Forming
BSH	Bundesamt für Seeschifffahrt und Hydrographie (Federal Maritime and Hydrographic Agency, Germany)
CASIX	Centre for observation of Air-Sea Interactions and fluxes
CCD	Computer Compatible Disk
CDOM	Chromophoric Dissolved Organic Matter
CDOM	Coloured Dissolved Organic Material
CFAR	Constant False Alarm Rate (detection)
<i>chl</i>	chlorophyll
<i>Chl</i>	Chlorophyll-like pigment concentration
Chl-a	Chlorophyll <i>a</i>
CPA	Colour Producing Agents
CPR	Continuous Plankton Recorder
CTD	Conductivity-Temperature-Depth
CZCS	Coastal Zone Color Scanner
DF	Direction Finding
DFT	Discrete Fourier Transform
DLR	Deutsches Zentrum für Luft- und Raumfahrt (German Aerospace Center)

<i>doc</i>	dissolved organic carbon
DOM	Dissolved Organic matter
DWD	Deutscher Wetterdienst (German Weather Service)
E-AF-FOV	extended alias-free field-of-view
EAP	East Atlantic Pattern
EARS	Early Advanced Re-transmission Service
EC	European Commission
ECOOP	EU COastal sea OPerational observing & forecasting
ECMWF	European Centre for Medium-Range Weather Forecast
EEZ	Exclusive Economic Zone
ELF	ENEA LIDAR Fluorosensor
EMT	Eastern Mediterranean Transient
ENEA	Ente per le Nuove tecnologie l'Energia e l'Ambiente (Italian National Agency for New technologies, Energy and the Environment)
ENSO	El Niño / Southern Oscillation
EOF	Empirical Orthogonal Function(s)
EOS	Earth Observation Satellite
ERS	European Remote Sensing Satellite
ESA	European Space Agency
ESRIN	European Space Research Institute
ESTAR	Electronically Steered Thinned Array Radiometer
ESTEC	European Space Research and Technology Centre
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
FFT	Fast Fourier Transform
FINO	Forschungsplattformen in Nordsee und Ostsee (German Research Platforms in the North and Baltic Sea)
FLIR	Forward-Looking Infra-Red (camera)
FLS-A	Fluorescent LIDAR System-A
FMCW	Frequency Modulated Continuous Wave
FMICW	Frequency Modulated Interrupted Continuous Wave
FOV	Field-of-View
FYI	First-Year Ice
GAC	Global Area Coverage
GCM	General Circulation Model
GDAC	Global Data Analysis Centres
GDOP	Geometrical Dillution Of Precision
GDR	Geophysical Data Record
GHRSSST-PP	GODAE High Resolution Sea Surface Temperature - Pilot Project
GMES	Global Monitoring for Environment and Security
GMF	Geophysical Model Function

GODAE	Global Ocean Data Assimilation Experiment
GOOS	Global Ocean Observing System
GPS	Global Positioning System
GRDC	Global Runoff Data Centre
HAB	Harmful Algal Blooms
HELCOM	HELSinki COMmission
HF	High Frequency
HH	horizontal co-polarisation
InSAR	Interferometric Synthetic Aperture Radar
IOCCG	International Ocean-Colour Coordinating Group
IOP	Inherent Optical Properties
IJRS	International Journal of Remote Sensing
IR	Infra-Red
JPL	Jet Propulsion Laboratory
JRC	Joint Research Centre of the European Commission
K_d	diffuse attenuation coefficient
KNMI	Koninklijk Nederlands Meteorologisch Instituut (Royal Dutch Meteorological Institute)
KSAT	Kongsberg Satellite Services
LAC	Local Area Coverage
LAN	Local Area Network
LASER	Light Amplification by Stimulated Emission of Radiation
LFS-A	Laser Fluoro-Sensor System - A
LIDAR	Light Detection and Ranging
LG	Local Gradient
LIF	LASER Induced Fluorescence
LRIT	Long Range Identification and Tracking
MABL	Marine Atmospheric Boundary Layer
MAST	Marine Science and Technology
MAW	Modified Atlantic Water
MBR	Maximum Band Ratio
MCC	Maximum Cross Correlation
MED	Mediterranean Sea
MERIS	Medium Resolution Imaging Spectrometer
MERSEA	Marine Environment and Security for the European Area
METOP	METEorological OPERational Satellite
MFSTEP	Mediterranean Forecasting System for Environmental Predictions
MHI	Marine Hydrophysical Institute
MIRAS	Microwave Imaging Radiometer by Aperture Synthesis

MLE	Maximum Likelihood Estimation
MMJ	Mid-Mediterranean Jet
MMSEE	Minimum Mean Square Error Estimation
MODIS	Moderate Resolution Imaging Spectrometer
MOI	Mediterranean Oscillation Index
MOS	Multi-spectral Optical Sensor
MSS	Multiple Solution Scheme
MW	Mediterranean Waters
MW	Microwave(s)
MWR	Microwave Radiometer
MYI	Multi-Year Ice
NA	North Atlantic
NADW	North Atlantic Deep Water
NAO	North Atlantic Oscillation
NAP	Non-Algae Particles
NASA	National Aeronautics and Space Administration
NCEP	National Centers for Environmental Prediction
NMEA	National Marine Electronics Association (US)
NN	Neural Network
NOAA	National Oceanic and Atmospheric Administration
NP	Non-Pigmented Particulate Material (organic + inorganic)
NRCS	Normalized Radar Cross Section
NSCAT	NASA Scatterometer
NWP	Numerical Weather Prediction
OLS	Oceanographic LIDAR System
OSI	Ocean and Sea Ice
OSPAR	Oslo Paris Commission
OSTIA	Operational SST and Sea Ice Analysis
OTHR	Over-The-Horizon Radar
OW	Open Water(s)
PH	Pigmented Particulate Material (from phytoplankton)
PAR	Photosynthetically Available Radiation
PCA	Principle Component Analysis
PD	Polarization Difference
PDF	Probability Density Function
PM	Passive Microwave(s)
PMT	photomultiplier(s)
PMW	Passive Microwave(s)
POEM	Physical Oceanography of the Eastern Mediterranean
PR	Polarization Ratio
PSMSL	Permanent Service of Mean Sea Level
PSSM	Polynya Signature Simulation Method
psu	practical salinity units
PRF	Pulse Repetition Frequency

QS	QuikSCAT
RADAR	Radio Detection and Ranging
RAR	Real Aperture Radar
RCS	Radar Cross Section
RDAC	Regional Data Assembly Centres
RGB	Red-Green-Blue (colour composite)
RGPS	RADARSAT Geophysical Processor System
R/GTS	(GHRSSST-PP) Regional/Global Task Sharing
rms	root mean square
ROV	Remotely Operated Underwater Vehicle
R_{rs}	Remote Sensing Reflectance
RS	Remote Sensor(s)
RWS	Rijkswaterstaat (National Institute for Water Management, The Netherlands)
<i>S</i>	Salinity
SA	South Atlantic
SAF	Satellite Application Facilities
SAG	Southern Adriatic permanent cyclonic Gyre
SAR	Synthetic Aperture Radar
SCAT	Scatterometer
SeaWiFS	Sea-viewing Wide Field-of-view Sensor
SEVIRI	Spinning Enhanced Visible and Infra-Red Imager
SHOM	Service Hydrographique et Océanographique de la Marine (French Hydrographic Office)
SI	Sea Ice
SIR	Spaceborne Imaging Radar
SLA	Sea Level Anomaly
SLAR	Side-Looking Airborne Radar
SLFMR	Scanning Low Frequency Microwave Radiometer
<i>sm</i>	mineral (suspended) matter
SMMR	Scanning Multichannel Microwave Radiometer
SMOS	Soil Moisture and Ocean Salinity
SNR	signal-to-noise ratio
SRTM	Shuttle Radar Topography Mission
SSH	Sea Surface Height
SSHA	Sea Surface Height Anomaly
SSM/I	Special Sensor Microwave/Imager
SSR	Surface Solar Radiation (SSR)
SSS	Sea Surface Salinity
SST	Sea Surface Temperature
TEC	Total Electron Content
TI	Thin Ice
TM	Thematic Mapper

T/P	Topex/Poseidon
TPJ	Topex/Poseidon and Jason-1
UAV	Unmanned Aerial Vehicle
UHR	Ultra-High Resolution
ULIS	Underwater LIDAR Imaging System
USLA	United States Lifesaving Association
UTC	Universal Time Coordinated
UV	Ultraviolet
VMS	Vessel Monitoring System
VTC	Vessel Traffic Control
VTS	Vessel Traffic Services
VV	vertical co-polarisation
WaMoS II	Wave Monitoring System II
WERA	Wellen RADar (Wave Radar)
WFD	Water Framework Directive
WiFS	Wide Field-of-view Sensor
WS	White Sea
WS	Wind Speed (from sea surface roughness)
WVC	Wind Vector Cell
XBT	eXpendable Bathy-Thermograph
YS	Yellow Substance

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This Volume has been prepared and published with the support of the
Joint Research Centre, European Commission.



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