



The Sustained Global Ocean Observing System For Climate

FY2008

ANNUAL REPORT

CLIMATE OBSERVATION DIVISION
NOAA CLIMATE PROGRAM OFFICE

NOAA, National Oceanic and Atmospheric Administration
www.noaa.gov

NOAA Climate Observation Division
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Acronyms

List of Acronyms in FY08

4DVAR	Four-Dimensional VARiational analysis
AABW	Antarctic Bottom Water
AAIW	Antarctic Intermediate Water Formation in the Southeast Pacific
AARI	Arctic and Antarctic Research Institute
ABL	Atmospheric Boundary Layer
ACC	Antarctic Circumpolar Current
ACC	Alaskan Coastal Current
ADB	AOML Data Buoy
ADCP	Acoustic Doppler Current Profiler
ADOS	Autonomous Drifting Ocean Stations
ADP	Adopt a Drifter Program
ADPC	Asian Disaster Preparedness Center
ADPRC	Asia-Pacific DATA-Research Center (University of Hawaii)
AGU	American Geophysical Union
AMMA	African Monsoon Multidisciplinary Analyses
AMO	Atlantic Multidecadal Oscillation
AMPS	Advanced Multi-Sensor Payload System
AMS	American Meteorological Society
AMSR	Advanced Microwave Scanning Radiometer
AMVER	Automated Mutual assistance Vessel Rescue system
AOMIP	Arctic Ocean Model Intercomparison Project (NSF)
AOML	Atlantic Oceanographic and Meteorological Laboratory
AON	Arctic Observing Network
AOU	Apparent Oxygen Utilization
APDRC	Asia-Pacific Data Research Center
APEX	Advanced Plume Sensor System (float)
APL	Applied Physics Laboratory
APS	African Partnership Station
ARCHES	AbRupt climate CHange Studies (CORC-ARCHES)
ArcIMS	Arc Internet Map Server
ASCAT	Advanced SCATterometer
ASCLME	Agulhas Somalia Current Large Marine Ecosystem
ASIMET	Air-Sea Interaction Meteorology system
ASLO	American Society of Limnology and Oceanography
ASOF	Arctic SubArctic Ocean Fluxes
ATLAS	Autonomous Temperature Line Acquisition System
ATRH	ATLAS Relative Humidity Rotronic
ATV	All Terrain Vehicle
AVHRR	Advanced Very High Resolution Radiometer
AVISO	Archiving, Validation and Interpretation of Satellite Oceanographic data
AXBT	Airborne eXpendable BathyThermograph

BAMS	Bulletin of the American Meteorological Society
BAS	British Antarctic Survey
BATHY	Bathythermograph format for data exchange
BATS	Bermuda Atlantic Time Series
BEST	Bering Ecosystem Study (NSF)
BGAN	Broadband Global Area Network
BGOS	Beaufort Gyre Observing System
BIOS	Bermuda Institute of Ocean Studies
BNL	Brookhaven National Laboratory
BoM	Bureau of Meteorology (Australia)
BP	Barometric Pressure
BPG	Bottom Pressure Gauge
BPPT	Badan Pebgkajian dan Penerapan Teknologi (Indonesia's Agency for the Assessment and Application of Technology)
BRKP	Badan Riset Kelautan dan Perikanan (Indonesia's Agency for Marine and Fisheries Research)
BSH	Bundesamt für Seeschifffahrt und Hydrographie (Federal Maritime and Hydrographic Agency, Germany)
BSRN	Baseline Surface Radiation Network
BSWB	Briefing Sequence Web Page
BT	BathyThermograph
BTM	Bermuda Testbed Mooring
BUFR	Binary Universal Form
C-MAN	Coastal-Marine Automated Network
C3O	Canada's three Oceans
CADIS	Cooperative Arctic Data and Information Service
CalCOFI	California Cooperative Oceanic Fisheries Investigations
CARINA	CARbon dioxide IN the Atlantic
CARIOCA	CARbon Interface OCEan Atmosphere (buoy)
CBLAST	Coupled Boundary Layers/Air-Sea Transfer
CCHDO	CLIVAR Carbon Hydrographic Data Office
CCS	California Current System
CCSP	Climate Change Science Program
CDAS	Climate Data Assimilation System
CDC	Climate Diagnostics Center
CDIAC	Carbon Dioxide Information Analysis Center
CDO	Climate Data Online
CDOM	Colored Dissolved Organic Matter
CDP	Climate Data Portal
CDW	Circumpolar Deep Water
CFA	Continuous Flow Analyzer
CFCs	Chlorofluorocarbons
CFS	Climate Forecast System (NCEP)
CFSRR	Coupled Forecast System Reanalysis and Reforecast
CIMAS	Cooperative Institute for Marine and Atmospheric Studies

CISL	Computational and Information Systems Laboratory
CliC	Climate and Cryosphere
CLIMAR-III	Third JCOMM Workshop on Advances in Marine Climatology
CLIMODE	CLiVar MOde water Dynamics Experiment
CLIVAR	CLImate VARIability and Predictability
CMAP	CPC Merged Analysis of Precipitation
CMORPH	CPC MORPHing Technique
CO-OPS	Center for Operational Oceanographic Products and Services
COAMPS	Coupled Ocean / Atmosphere Mesoscale Prediction System (Navy)
COAPS	Center for Ocean-Atmospheric Prediction Studies
COARE	Coupled Ocean-Atmosphere Response Experiment
COD	Climate Observation Division
CODE	Coastal Ocean Dynamics Experiment (drifter)
COFS	College of Ocean and Fisheries Science (University of Washington)
COP	Climate Observation Program
CORC	Consortium on the Oceanís Role in Climate
CORS	Continuously Operating Reference System
COSC	Climate Observing System Council
COSP	Climate Observations and Services
COTS	Commercial Off-The-Shelf
CPC	Climate Prediction Center
CPIES	Current and Pressure Recording Inverted Echo Sounder
CPO	Climate Program Office
CPPA	Climate Prediction Program for the Americas
CRM	Certified Reference Material
CSIRO	Commonwealth Scientific and Industrial Research Organization
CSML	Climate System Markup Language
CSV	Comma Separated Values
CTD	Conductivity, Temperature, Depth
DAC	Data Assembly Center
DAMCOLES	Developing Arctic Modeling and Observing Capabilities for Long-term Environmental Studies
DART	Deep Ocean Assessment and Reporting of Tsunamis (Buoy)
DBCP	Data Buoy Cooperation Panel
DBMS	DataBase Management System
DCP	Data Collection Platform
DDL	Data Definition Language
DIC	Dissolved Inorganic Carbon
DICE	Dissolved Inorganic Carbon Extractors
DIW	DeIonized Water
DKP	Departemen Kelautan dan Perikanan (Ministry for Marine Affairs and Fisheries, Republic of Indonesia)
DMAC	Data Management and Communication (IOOS)
DMC	Drought Monitoring Center
DOC	Dissolved Organic Carbon

DODS	Distributed Ocean Data System
DOE	Department of Energy
DON	Dissolved Organic Nitrogen
DORIS	Doppler Orbitography and Radiopositioning Integrated by Satellite
DQE	Data Quality Evaluation
DSS	Data Support Section (NCAR)
DVS	Doppler Volume Sampler
DWBC	Deep Western Boundary Current
EC-GC	Electron Capture Gas Chromatography
ECCO	Estimating the Circulation and Climate of the Ocean
EcdiF	Ensemble circulation-dependent inflation Filter
ECMWF	European Centre for Medium-Range Weather Forecasts
EEZ	Exclusive Economic Zone
EGU	European Geosciences Union
EKE	Eddy Kinetic Energy
EMC	Environmental Modeling Center (NCEP)
eMLR	extended Multiple Linear Regression
ENSO	El Niño-Southern Oscillation
EOF	Empirical Orthogonal Function
ERA40	ECMWF ReAnalysis-40
ERDC	Engineer Research and Development Center (US Army)
ERS	Earth Remote-sensing Satellite
ERSST	Extended Reconstruction of SST
ESRI	Environmental Systems Research Institute
ESRL	Earth System Research Laboratory
ESSAS	Ecosystem Studies of Sub-Arctic Seas
ESSD	Earth System Science Data
ETL	Environmental Technology Laboratory
EURAINSAT	European satellite rainfall analysis and monitoring at the geostationary scale
EVAC	Environmental Verification and Analysis Center
FICARAM	Flujos de Interambio aire mar en una sección meridional en el océano Atlántico (Spain)
FNMOC	Fleet Numerical Meteorology and Oceanography Center
FOAM	Forecasting Ocean Assimilation Model
FRX	Frequently Repeated XBT
FSU-COAPS	Florida State University Center for Ocean-Atmosphere Prediction Studies
FTE	Full Time Equivalent
FTP	File Transfer Protocol
FURG	Fundação Universidade do Rio Grande (Brazil)
FWI	FreshWater Initiative (NSF)
FY	Fiscal Year
GAGE	Guiana Abyssal Gyre Experiment
GasEx	Gas Exchange Southern Ocean Experiment Cruise
GCC	Global Carbon Cycle
GCOS	Global Climate Observing System

GCP	Global Carbon Project
GDAC	Global Data Analysis Centre
GDP	Global Drifter Program
GEO-IDE	Global Earth Observation Integrated Data Environment (NOAA)
GEOSAT	GEODesy SATellite
GEOSS	Global Earth Observing System of Systems
GEWEX	Global Energy and Water-cycle Experiment
GFDL	Geophysical Fluid Dynamics Laboratory
GHCN	Global Historical Climate Network
GHGNA	GreenHouse Gas and Natural Aerosol
GIS	Geographic Information System
GLODAP	Global Ocean Data Analysis Project
GLOSS	Global Sea Level Observing System
GLOSS-LTT	GLOSS- Long Term Trend
GMT	Greenwich Mean Time satellites
GO	General Oceanics, Inc
GODAE	Global Ocean Data Assimilation Experiment
GODAR	Global Oceanographic Data Archaeology and Rescue Project
GODAS	Global Ocean Data Assimilation System (NCEP)
GOES	Geostationary Operational Environmental Satellite
GOMECC	Gulf of Mexico and East Coast Carbon Cruise
GOOS	Global Ocean Observing System
GOSUD	Global Ocean Surface Underway Data project
GPCP	Global Precipitation Climatology Project
GPM	Global Precipitation Measurement Program (NASA)
GPS	Global Positioning System
GSFC	Goddard Space Flight Center (NASA)
GSOP	Global Synthesis and Observations Panel of CLIVAR
GT/SPP	Global Temperature-Salinity Profile Program
GTS	Global Telecommunications System
GTSP	Global Temperature-Salinity Profile Program
GUI	Graphical User Interface
HD	High Density Line
HOT	Hawaii Ocean Timeseries
HR-XBT	High Resolution Expendable Bathythermograph
HRD	Hurricane Research Division
HRX	High Resolution XBT
HYCOM	HYbrid Coordinate Ocean Model
IA	Implementing Arrangement
IABP	International Arctic Buoy Program
IAI	Inter-American Institute for Global Change Research
IAOOS	International Arctic Ocean Observing System
IAPSO	International Association for the Physical Sciences of the Ocean
IBPIO	International Buoy Programme for the Indian Ocean
IC	Initial Conditions

ICC	Inductive Cable Coupler
ICEALOT	International Chemistry Experiment in the Arctic Lower Troposphere
ICESat	Ice, Cloud, and land Elevation Satellite
ICOADS	International Comprehensive Ocean-Atmosphere Data Set
IEEE	Institute of Electrical & Electronics Engineers, Inc.
IES	Inverted Echo Sounder
IFM-GEOMAR	Leibniz Institute of Marine Sciences, GEOMAR (Kiel/Germany)
IFREMER	Institut Français de Recherche pour l'Exploitation de la MER (French Research Institute for Exploitation of the Sea) (France)
IGBP	International Geosphere-Biosphere Programme
IGOSS	Integrated Global Ocean Services System
IHO	International Hydrographic Organization
IMARPE	Instituto del MAR del PERÚ (Institute of Marine Research, Peru)
IMB	Ice Mass Balance (buoy)
IMBER	Integrated Marine Biogeochemistry and Ecosystem Research
IMET	Improved METeorological instrument
InaGOOS	Indonesian Global Ocean Observing System
IndOOS	Indian Ocean Observing System
INPE	Instituto Nacional de Pesquisas Espaciais (National Institute for Space Research, Brazil)
INSTANT	International Nusantara Stratification and Transport Program
IOC	Intergovernmental Oceanographic Commission
IOCCP	International Ocean Carbon Coordination Project
IODE	International Oceanographic Data and information Exchange
IOOS	Integrated Ocean Observing System
IOP	Indian Ocean Panel
IORGC	Institute of Observational Research for Global Change (JAMSTEC)
IOTWS	Indian Ocean Tsunami Warning System
IPCC	Intergovernmental Panel on Climate Change
IPRC	International Pacific Research Center
IPS	Ice Profiling Sonar
IPY	International Polar Year
IR	Infrared
IRD	Institut de Recherche pour le Développement (France)
IRI	International Research Institute for Climate Prediction
ISABP	International South Atlantic Buoy Programme
ISCAT	Investigation of Sulfur Chemistry in the Antarctic Troposphere
ISCCP	International Satellite Cloud Climatology Project
IT	Information Technology
ITCZ	Inter-Tropical Convergence Zone
ITF	Indonesian ThroughFlow
JAMSTEC	Japan Agency for Marine-Earth Science and Technology
JASL	Joint Archive for Sea Level
JASON	Not an acronym but the name of a joint French/US altimeter mission

JCOMM	Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology
JCOMMOPS	Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology Observing Platform Support
JGOFS	Joint Global Ocean Flux Survey
JIMAR	Joint Institute for Marine and Atmospheric Research, University of Hawaii
JIMO	Joint Institute for Marine Observations
JISAO	Joint Institute for the Study of the Atmosphere and Ocean
JKEO	JAMSTEC-KEO
JMA	Japan Meteorological Agency
JPL	Jet Propulsion Laboratory
JTA	Joint Tariff Agreement
KE	Kuroshio Extension
KEO	Kuroshio Extension Observatory
KESS	Kuroshio Extension System Study
KIP	Kuroshio Extension Implementation Panel
LADCP	Lowered Acoustic Doppler Current Profiler
LAS	Live Access Server
LD	Low Density Sampling Line
LDEO	Lamont-Doherty Earth Observatory
LHF	Latent Heat Flux
LOCEAN	Laboratoire d'Océanographie - Expérimentation et Approches Numériques (France)
LTRE	Long-Term Research in Environmental Biology
LWR	LongWave Radiation
MAK	MAKassar
MATE	Marine Advanced Technology Education
MBARI	Monterey Bay Aquarium Research Institute
MBL	Marine Boundary Layer
MBT	Mechanical Bathythermograph
MCSST	Multi-Channel Sea Surface Temperature
MEDS	Marine Environmental Data Services
META-T	Metadata-Temperature
MIT	Massachusetts Institute of Technology
MITgcm	Massachusetts Institute of Technology, General Circulation Model
MJO	Madden-Julian Oscillation
MLD	Mixed Layer Depth
MMS	Minerals Management Service
MOB	Monthly Ocean Briefing
MOC	Meridional Overturning Circulation
MOCHA	Meridional Overturning, Circulation and Heat Transport Array
MODIS	Moderate Resolution Imaging Spectroradiometer
MoES	Ministry of Earth Science (India)
MOMAF	Ministry of Maritime Affairs and Fisheries (Korea)
MOSEAN	Multi-disciplinary Ocean Sensors for Environmental Analyses and Networks

MOU	Memorandum of Understanding
MOVE	Meridional Overturning Variability Experiment
MSL	Mean Sea Level
MTS	Marine Technology Society
MV	Motor Vessel
MWOI	MicroWave Optimum Interpolation
NACP	North American Carbon Program
NADW	North Atlantic Deep Water
NAM	North American Mesoscale (NCEP)
NAO	North Atlantic Oscillation
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center
NCDDC	National Coastal Data Development Center
NCEP	National Centers for Environmental Prediction
NDBC	National Data Buoy Center
NDP	Numeric Data Package
NERC	National Environmental Research Council
NESDIS	National Environmental Satellite, Data, & Information Service
netCDF	network Common Data Form
NGCUC	New Guinea Coastal Undercurrent
NGDC	National Geophysical Data Center
NHC	National Hurricane Center
NIC	National Ice Center
NIES	National Institute for Environmental Studies
NIO	National Institute of Oceanography (India)
NIWA	National Institute of Water and Atmospheric Research (New Zealand)
NMAO	NOAA's Marine and Aviation Operations
NMFS	National Marine Fisheries Service
NMHS	National Meteorological and Hydrological Services
NOAA	National Oceanic and Atmospheric Administration
NOC	National Oceanographic Centre
NODC	National Oceanographic Data Center
NOPP	National Ocean Partnership Program
NORI	National Oceanographic Research Institute (Korea)
NORPAX	North Pacific Experiment
NOS	NOAA Ocean Service
NOSA	NOAA Observing System Architecture
NPDBAP	North Pacific Data Buoy Advisory Panel
NPEO	North Pole Environmental Observatory
NPO	North Pacific Oscillation
NRC	National Research Council
NSCAT	NASA Scatterometer
NSF	National Science Foundation
NTAS	Northwest Tropical Atlantic Station

NVODS	National Virtual Ocean Data System
NWLON	National Water Level Observation Network
NWLP	National Water Level Program
NWP	Numerical Weather Prediction
NWS	National Weather Service
NWSTG	National Weather Service Telecommunication Gateway
OAFflux	Objectively Analyzed air-sea heat Fluxes
OAR	Office of Oceanic and Atmospheric Research
OBC	Open Boundary Conditions
OCB	Ocean Carbon and Biogeochemistry Program
OSCC	Ocean Carbon and Climate Change Program
OCCI	Ocean Climate Change Institute
OCDMS	Ocean Carbon Data Management System (PMEL)
OceanSITES	OCEAN Sustained Interdisciplinary Timeseries Environment observation System
OCL	Ocean Climate Laboratory (NODC)
OCO	Office of Climate Observation
OCS	Ocean Climate Stations (PMEL)
ODA	Oceanic Data Assimilation
ODINAFRICA	Ocean Data and Information Network for Africa
OEM	Original Equipment Manufacturer
OGCM	Ocean General Circulation Models
OGP	Office of Global Programs
OHC	Ocean Heat Content
OI	Optimum Interpolation
OISO	Océan Indien Service d'Observations (France)
OLR	Outgoing Longwave Radiation
OMAO	Office of Marine and Aviation Operations
ONAR	Oxygen, Nitrogen, and ARgon
ONR	Office of Naval Research
OOCL	Orient Overseas Container Line
OOPC	Ocean Observations Panel for Climate
OpeNDAP	Open Source Project for Network Data Access Protocol
OPP	Office of Polar Programs (NSF)
ORFOIS	ORigin and Fate of biogenic particle fluxes in the Ocean and their Interactions with the atmospheric CO ₂ concentration as well as the marine Sediment
ORS	Ocean Reference Stations
OSCAR	Ocean Surface Current Analyses – Real-time
OSMC	Observing System Monitoring Center
OSSE	Observing System Simulation Experiments
OVIDE	Observatoire de la Variabilité Interannuelle et DEcennale en Atlantique Nord (France)
PACRAIN	Pacific Rain Gauge Data
PACS	Pan American Climate Studies

PCMCIA	Personal Computer Memory Card International Association
PDO	Pacific Decadal Oscillation
PEHRPP	Pilot Evaluation of High Resolution Precipitation Products
PHOD	Physical Oceanography Division
PI	Principal Investigator
PI-GOOS	Pacific Islands - Global Ocean Observing System
PIC	Particulate Inorganic Carbon
PICES	North Pacific Marine Science Organization (nicknamed PICES for a Pacific ICES)
PICO	Platform and Instrumentation for Continuous ocean Observations (PMEL)
PIES	Pressure Gauge Equipped Inverted Echo Sounder
PIRATA	Pilot Research Moored Array in the Tropical Atlantic
PMEL	Pacific Marine Environmental Laboratory
PMO	Port Meteorological Officer
PNA	Pacific North America
PNG	Papua New Guinea
PNMS	Pacific National Meteorological Services
PO.DAAC	Pacific Ocean Distributed Active Archive Center
POC	Particulate Organic Carbon
POGO	Partnership for the Observation of the Global Oceans
POL	Proudman Oceanographic Laboratory
PSMSL	Permanent Service for Mean Sea Level
QA	Quality Assurance
QC	Quality Control
QSCAT	Seawinds on QuikScat
QuikSCAT	Quick SCATterometer
R/V	Research Vessel
RAMA	Research moored Array for African-Asian-Australian Monsoon Analysis
RANET	Radio and Internet for the Communication of Hydro-Meteorological Information for Rural Development
RAPID	Rapid Climate Change
RCM	Recording Current Meter
RH	Relative Humidity
RIMES	Regional Integrated Multi-Hazard Early Warning System
RLR	Revised Local Reference
RMS	Root-Mean-Square
ROMS	Regional Ocean Modeling System
RPS	Raytheon Polar Services
RRS	Royal Research Ship
RSMAS	Rosenstiel School of Marine and Atmospheric Science
RUSALCA	Russian-American Long-Term Census of the Arctic
RVIB	Research Vessel / Ice Breaker
RVSMDC	Research Vessel Surface Meteorology Data Center
RVTEC	Research Vessel Technical Enhancement Committee
SABOM	South African Bureau of Meteorology

SAC	Special Analysis Center
SAMOS	Shipboard Automated Meteorological and Oceanographic System
SBC	Santa Barbara Channel
SBE	Sea-Bird Electronics, Inc.
SCC	Siberian Coastal Current
SCOR	Scientific Committee for Ocean Research
SCS	Scientific Computing System
SDE	Spatial Database Engine
SEAFLUX	Ocean Surface Turbulent Flux Project
SEAS	Shipboard Environmental data Acquisition System
SERREAD	Scientific Educational Resources and Experience Associated with the Deployment of Argo profiling floats in the South Pacific Ocean
SHF	Sensible Heat Flux
SHN	Servicio de Hidografía Naval (Argentine Hydrographic Naval Office)
SHOA	Servicio Hidrografico y Oceanografico de la Armada (Chilean Navy)
SIO	Scripps Institution of Oceanography
SLP	Sea Level Pressure
SLP-Pac	Sea Level Program in the Pacific
SMB	Santa Maria Basin
SMTP	Simple Mail Transfer Protocol
SOCAT	Surface Ocean Carbon ATlas
SOCOVV	Surface Ocean CO ₂ Variability and Vulnerabilities
SOI	Survey of India
SOI	Southern Oscillation Index
SOLAS	Surface Ocean-Lower Atmosphere Study
SOLO	Sounding Oceanographic Lagrangian Observer (float)
SOOP	Ship-of-Opportunity Program
SOOPIP	Ship-of-Opportunity Implementation Panel
SOPAC	Pacific Islands Applied Geosciences Commission
SOSE	Southern Ocean State Estimate
SOT	Ship Observations Team
SOTO	State Of The Ocean (AOML)
SPARCE	South Pacific Rainfall Climate Experiment
SPREP	Secretariat for Pacific Regional Environmental Programme
SQL	Structured Query Language
SRB	Surface Radiation Budget
SRDC	Surface Reference Data Center
SRNHI	State Research Navigational Hydrographical Institute (Russian Federation)
SSC	Scientific Steering Committee (PIRATA)
SSH	Sea Surface Height
SSM/I	Special Sensor Microwave Imager
SSS	Sea-Surface Salinity
SST	Sea Surface Temperature
SSTA	Sea Surface Temperature Anomaly
SSW	Standard SeaWater

START	Global Change System for Analysis, Research, and Training
STMW	SubTropical Mode Water
SVP	Surface Velocity Program
SVPB	Surface Velocity Program (SVP) Barometer
SWFSC	SouthWest Fisheries Science Center
TA	Total Alkalinity
TACE	Tropical Atlantic Climate Experiment (CLIVAR)
TACs	Traditional Alphanumeric Codes
TALK	Total Alkalinity
TAO	Tropical Atmosphere Ocean Array
TDCFs	Table-Driven Code Forms
TESAC	Temperature, Salinity, Currents (format for data exchange)
TIP	Tropical Moored Buoy Implementation Panel
TIROS	Television and InfraRed Observation Satellite
TMAP	Trilateral Monitoring and Assessment
TMI	TRMM Microwave Imager
TMPA	TRMM Multi-satellite Precipitation Analysis
TOGA	Tropical Ocean Global Atmosphere Program
TOPEX	Ocean TOPography Experiment
TOVS	TIROS Operational Vertical Sounder
TRACKOB	Track observation
TRITON	TRiangle Trans-Ocean Buoy Network
TRMM	Tropical Rainfall Measurement Mission
TSG	Thermosalinograph
UAF	University of Alaska Fairbanks
UCAR	University Corporation for Atmospheric Research
UCLA	University of California, Los Angeles
UCSB	University of California, Santa Barbara
UHSLC	University of Hawaii Sea Level Center
UNCED	United Nations Conference on Environment and Development
UNFCCC	United Nations Framework Convention on Climate Change
UNOLS	University-National Oceanographic Laboratory System
UOHC	Upper Ocean Heat Content
UOP	Upper Ocean Processes Group (WHOI)
URI	University of Rhode Island
USCG	United States Coast Guard
USCGC	United States Coast Guard Cutter
USGCRP	U.S. Global Change Research Program
UW	University of Washington
VAMOS	Variability of the American MONsoon System
VOCALS	VAMOS Ocean Cloud Atmosphere Land Study
VOS	Volunteer Observing Ship
VOSclim	WMO Volunteer Observing Ship Climate project
VPN	Virtual Private Network
VQC	Visual Quality Control

WAVES	Web-Accessible Visualization and Extraction System
WCRP	World Climate Research Program
WDC-A	World Data Center-A for Oceanography
WFS	Web Feature Service
WGSF	WCRP Working Group on Surface Fluxes
WHOI	Woods Hole Oceanographic Institution
WHOTS	WHOI Hawaii Ocean Timeseries Station
WIGOS	WMO Integrated Global Observing Systems
WMO	World Meteorological Organization
WMS	Web Map Service
WOA	World Ocean Atlas
WOAP	WCRP Observations and Assimilation Panel
WOCE	World Ocean Circulation Experiment
WOD	World Ocean Database
WOTAN	Weather Observations Through Ambient Noise
WRF	Weather Research and Forecast
WWW	The World Weather Watch of WMO
XBT	EXpendable BathyThermograph
XBTRT	SEAS XBT Auto-QC System
XCTD	EXpendable Conductivity Temperature Depth