

List of Acronyms

AAM	Atmosphere Angular Momentum
AARNet	Australia Academic and Research Network
AAS	American Astronomical Society
AC	(IVS) Analysis Center
ACF	AutoCorrelation Function
ACU	Antenna Control Unit
AD	Analog to Digital
ADB	Analog to Digital Board
ADC	Analog to Digital Converter
ADEV	Allan DEVIation
AEB	Agência Espacial Brasileira (Brazilian Space Agency) (Brazil)
AER	Atmospheric and Environmental Research, Inc. (USA)
AES	Advanced Engineering Services Co., Ltd (Japan)
AGILE	Astro-rivelatore Gamma ad Immagini LEggero satellite (Italy)
AGN	Active Galactic Nuclei
AGOS	Australian Geophysical Observing System (Australia)
AGU	American Geophysical Union
AIPS	Astronomical Image Processing System
AIUB	Astronomical Institute, University of Bern (Switzerland)
ALMA	Atacama Large Millimeter Array
AMRFP	Access to Major Research Facilities Program
ANU	Australian National University (Australia)
AO	Astronomical Object
AOA	Allen Osborne Associates
AOC	Array Operation Center (Japan)
AOG	Auxilliary Output Generator
APEX	Atacama Pathfinder EXperiment (Chile)
API	Application Programming Interface
APPS	Advanced Precise Positioning System
APSG	Asia-Pacific Space Geodynamics program
APT	Asia Pacific Telescope
APTF	Asian Pacific Time and Frequency
ARC	Astrometric Radiointerferometric Correlator
ARIES	Astronomical Radio Interferometric Earth Surveying program
ARO	Algonquin Radio Observatory (Canada)
ASC	Astro Space Center (Russia)
ASD	Allan Standard Deviation
ASI	Agenzia Spaziale Italiana (Italy)
ASKAP	Australian Square Kilometre Array Pathfinder (Australia)
ATA	Advanced Technology Attachment
ATA	Allen Telescope Array (USA)
ATCA	Australia Telescope Compact Array (Australia)

ATM	Asynchronous Transfer Mode
ATNF	Australia Telescope National Facility (Australia)
AUSLIG	AUstralian Surveying and Land Information Group (now Geoscience Australia (GA)) (Australia)
AUT	Auckland University of Technology (New Zealand)
AWI	Alfred Wegener Institute for polar and marine research (Germany)
A-WVR	Advanced Water Vapor Radiometer
BAAS	Bulletin of the American Astronomical Society
BAdW	Bayerische Akademie der Wissenschaften (Bavarian Academy of Sciences and Humanities) (Germany)
BBC	Base Band Converter
BdRAO	Badary Radio Astronomical Observatory (Russia)
BEK	Bayerische Kommission für die internationale Erdmessung (Germany)
BIPM	Bureau International de Poids et Mesures (France)
BKG	Bundesamt für Kartographie und Geodäsie (Germany)
BMC	Basic Module of Correlator
BOR1	Body Of Revolution type 1
BOSSNET	BOSon South NETwork
BPE	Bernese Processing Engine
BPF	Band Pass Filter
BRAS	Broadband Russian Acquisition System
BVID	Bordeaux VLBI Image Database
BW	BandWidth
BWG	Beam WaveGuide
CACS	Canadian Active Control System
CAGS	Council of Astronomical and Geophysical data analysis Services
CARAVAN	Compact Antenna of Radio Astronomy for VLBI Adapted Network (Japan)
CAS	Chinese Academy of Sciences (China)
CASPER	Center for Astronomy Signal Processing and Electronics Research (USA)
CAY	Centro Astronómico de Yebes (Spain)
CC	(IVS) Combination Center
CC	(IVS) Coordinating Center
CDAS	Chinese vlbi Data Acquisition System
CDDIS	Crustal Dynamics Data Information System (USA)
CDP	Crustal Dynamics Project
CDT	Centro de Desarrollo Tecnológico at Yebes Observatory (Spain)
CE	Conformité Européene
CE-1	Chang'E-1 (China)
CfA	Harvard-Smithsonian Center for Astrophysics (USA)
CGE	Centrum für Geodätische Erdsystemforschung (Germany)
CGLBI	Canadian Geodetic Long Baseline Interferometry
CGPS	Continuous GPS
CGS	Centro di Geodesia Spaziale (Italy)
CHAMP	Challenging Mini-Satellite Payload
CIB	Correlator Interface Board

CIP	Celestial Intermediate Pole
CLARA	Cooperación Latino Americana de Redes Avanzadas
CLIWA-NET	Cloud LIiquid WAtEr NETwork
CMB	Core-Mantle Boundary
CMNOC	Crustal Monitoring Network Of the Chinese mainland geological environment (China)
CMONC	Crustal Movement Observation Network of China (China)
CMONOC	Crustal Movement Observation Network Of China (China)
CMVA	Coordinated Millimeter VLBI Array
CNES	Centre National d'Etudes Spatiales (France)
CNIG	Centro Nacional de Información Geográfica (Spain)
CNR	Consiglio Nazionale delle Ricerche (Italy)
CNRS	Centre National de la Recherche Scientifique (France)
CNS	Communication, Navigation and Surveillance systems, Inc. (USA)
CODA	Correlator Output Data Analyzer
COL	Combination at the Observation Level
CONGO	COoperative Network for GIOVE Observation
CORE	Continuous Observations of the Rotation of the Earth
CORS	Continuously Operating Reference Stations
COTS	Commercial-Off-The-Shelf
CP	Circularly Polarized
CPO	Celestial Pole Offset
CPOS	POSITION accuracy on the Centimetre level
CPP	IERS Combination Pilot Project
CRAAE	Centro de Rádio Astronomia e Aplicações Espaciais (Brazil)
CRAAM	Centro de Rádio Astronomia e Astrofísica Mackenzie (Brazil)
CrAO	Crimean Astrophysical Observatory (Ukraine)
CRDS	Celestial Reference frame Deep South
CRESTech	Centre for Research in Earth and Space Technology (Canada)
CRF	Celestial Reference Frame
CRL	Communications Research Laboratory (now NICT) (Japan)
CRS	Celestial Reference System
CSA	Canadian Space Agency (Canada)
C-SART	Constrained Simultaneous Algebraic Reconstruction Technique
CSCU	Cryogenic System Control Unit
CSIR	Council for Scientific and Industrial Research (South Africa)
CSIRO	Commonwealth Scientific and Industrial Research Organisation (Australia)
CSRIFS	Combined Square Root Information Filter and Smoother
CSRS	Canadian Spatial Reference System
CSTnet	China Science and Technology Network (China)
CTVA	Canadian Transportable VLBI Antenna
CUTE	CRL and University Telescopes Experiment (Japan)
CVN	Chinese VLBI Network
CW	Chandler Wobble
CW	Continuous Wave

CWDM	Coarse Wavelength Division Multiplexer
CYLAR	CDT Yebes Laser Ranging
DAO	GSFC Data Assimilation Office (USA)
DAQ	Data AcQuisition
DAR	Data Acquisition Rack
DAS	Data Acquisition System
DASOS	DAS Operating System
DAT	Digital Audio Tape
DB	Data Base
DBBC	Digital Base Band Converter
DBE	Digital BackEnd
DDC	Digital DownConverter
DDOR	Delta Differenced One-way Range
DeltaDOR	Delta Differenced One-way Range
DFG	Deutsche Forschungsgemeinschaft (German Research Foundation) (Germany)
DFT	Discrete Fourier Transform
DGFI	Deutsches Geodätisches ForschungsInstitut (Germany)
DGK	Deutsche Geodätische Kommission (Germany)
dGPS	differential GPS
DHC	De Havilland Canada Company
DIAR	Dipartimento di Ingegneria Idraulica, Ambientale, Infrastrutture viarie, Rilevamento (Italy)
DIISR	Department of Innovation, Industry, Science and Research (Australia)
DIM	Data Input Module
DISTART	Dipartimento di Ingegneria delle Strutture, dei Trasporti, delle Acque, del Rilevamento del Territorio (Italy)
DLR	Deutsches Zentrum für Luft- und Raumfahrt (German Aerospace Center)
DNSC	Danish National Space Center (Denmark)
DOGS	Dgfi Orbit and Geodetic parameter estimation Software
DOGS-RI	Dgfi Orbit and Geodetic parameter estimation Software (Radio Interferometry)
DOM	Data Output Module
DOMES	Directory Of MERIT Sites
DORIS	Doppler Orbitography and Radiopositioning Integrated by Satellite
DPFU	Degrees Per Flux Unit
DPN	Dual Pseudo-random Noise
DR	Dichroic Reflector
DRAGON	Dynamic Resource Allocation through GMPLS over Optical Networks
DRAO	Dominion Radio Astrophysical Observatory (Canada)
DREN	Defense Research and Engineering Network (USA)
DSAMS	Direct Sampling Applied for Mixed Signals
DSCB	Data Stream Combining Board
DSCIG	Direcção de Serviços de Cartografia e Informação Geográfica (Portugal)
DSIF	Deep Space Instrumentation Facility
DSN	Deep Space Network
DSNA	Deep Space Network Array (USA)

DSP	Digital Signal Processor
DSS	Deep Space Station
DTU	Danmarks Tekniske Universitet (Denmark)
D-VLBI	Differential VLBI
EAN	Eastern Asia VLBI Network
EAS	European Astronomical Society
ECCO	Estimating the Circulation and Climate of the Ocean
ECMWF	European Centre for Medium-Range Weather Forecasts
EDM	Electronic Distance Measurement
EFTF	European Frequency and Time Forum
EGAE	Experiment Guided Adaptive Endpoint
EGS	European Geophysical Society
EGU	European Geosciences Union
EIA	Environmental Impact Assessment
ELSA	European Leadership in Space Astrometry
ENC GNSS	European Navigation Conference on Global Navigation Satellite Systems
ENSG	L'École Nationale des Sciences Géographiques
ENSO	El-Niño/Southern Oscillation
ENVISAT	ENVironmental SATellite
EOP	Earth Orientation Parameter
EOP-PC	Earth Orientation Parameter Product Center (France)
EOS	Earth Observing System
EOT	Empirical Ocean Tide
EOT8A	Empirical Ocean Tide 2008 model from multi-mission satellite Altimetry
ERA	Earth Rotation Angle
ERP	Earth Rotation Parameter
ERS	European Remote Sensing Satellites
ESA	European Space Agency
ESO	European Southern Observatory
ESTEC	European Space research and TEchnology Centre
ETS-8	Engineering Test Satellite 8
ETSIT	Escuela Técnica Superior de Ingenieros de Telecomunicación
ETS-Lindgren	EMC Test Systems-Lindgren (USA)
ETS-VIII	Engineering Test Satellite 8
EU	European Union
EuCAP	European Conference on Antennas and Propagation
EUREF	EUropean REference Frame
EVGA	European Vlbi group for Geodesy and Astrometry
EVLA	Expanded Very Large Array
e-VLBI	Electronic VLBI
EVN	European VLBI Network
EXPReS	Express Production Real-time e-VLBI Service
FACH	Fuerza Aérea de Chile (Air Force of Chile) (Chile)
FAGS	Federation of Astronomical and Geophysical data analysis Services
FCN	Free Core Nutation

FEM	Finite Element Method
FES	Finite Element Solution
FESG	Forschungseinrichtung Satellitengeodäsie/Technical University of Munich (Germany)
FFI	Forsvarets ForskningsInstitutt (Norwegian Defence Research Establishment) (Norway)
FFT	Fast Fourier Transform
FFTS	Fast Fourier Transform Spectrometer
FGI	Finnish Geodetic Institute (Finland)
FGS	ForschungsGruppe Satellitengeodäsie (Germany)
FICN	Free Inner Core Nutation
FILA	FIRst LAsT
FINEP	Financiadora de Estudos e Projetos (Brazilian Innovation Agency) (Brazil)
FIR	Finite Impulse Response
FITS	Flexible Image Transport System
FOV	Field Of View
FP7	Seventh Framework Programme (Europe)
FPDP	Front Panel Data Port
FPGA	Field-programmable Gate Array
FS	Field System
FSS	Frequency Selective Sub-reflector
FTP	File Transfer Protocol
FWF	Fonds zur Förderung der wissenschaftlichen Forschung (Austrian Science Fund)
GA	Geoscience Australia (Australia)
GALAXY	Giga-bit Astronomical Large Array with cross connect
GAPE	Great Alaska and Pacific Experiment
GARNET	GSI Advanced Radiotelescope NETwork (Japan)
GARR	Gruppo per l'Armonizzazione delle Reti della Ricerca (Italian Academic and Research Network) (Italy)
GARS	German Antarctic Receiving Station (Germany)
GASP	GLAST-AGILE Support Program
GBT	Green Bank Telescope (USA)
GCGO	Gilmore Creek Geophysical Observatory (USA)
GCRS	Geocentric Celestial Reference System
GD SATCOM	General Dynamics SATCOM technologies
GDR	altimeter Geophysical Data Record
GEMD	Geospatial and Earth Monitoring Division (Australia)
GeoDAF	Geodetic Data Archiving Facility (Italy)
GEX	Giga-bit series VLBI EXperiment
GFZ	GeoForschungsZentrum (Germany)
GGAO	Goddard Geophysical and Astronomical Observatory (USA)
GGFC	Global Geophysical Fluids Center
GGN	Global GPS Network
GGOS	Global Geodetic Observing System
GGP	Global Geodynamics Project

GICO	GIga-bit COrrrelator
GINs	Géodésie par Intégrations Numériques Simultanées
GIOVE	Galileo In-Orbit Validation Element
GIS	Geographic Information System
GISTM	GPS Ionospheric Scintillation and TEC Monitor
GIUB	Geodetic Institute of the University of Bonn (now IGGB) (Germany)
GLAST	Gamma ray Large Area Space Telescope (USA)
GLDAS	Global Land Data Assimilation System
GLONASS	GLOBAL NAVigation Satellite System (Russia)
GLORIA	GLOBAL Radio Interferometry Analysis
GMF	Global Mapping Function
GMPLS	Generalized MultiProtocol Label Switching
GMST	Greenwich Mean Sideral Time
GNS Science	Geological and Nuclear Sciences Research Institute (New Zealand)
GNSS	Global Navigation Satellite Systems
GOCE	Gravity field and steady-state Ocean Circulation Explorer
GOES	Geostationary Operational Environmental Satellite (USA)
GOT	Goddard/Grenoble Ocean Tide
GOW	Geodetic Observatory Wettzell
GP-B	Gravity Probe B
GPS	Global Positioning System
GPT	Global Pressure and Temperature
GPU	Graphics Processing Unit
GR	General Relativity
GRACE	Gravity Recovery and Climate Experiment (USA)
GREAT-ESF	Gaia Research for European Astronomy Training — European Science Foundation
GREF	German GPS REFerence network
GRGS	Groupe de Recherches de Géodésie Spatiale (France)
GSD/NRCan	Geodetic Survey Division of Natural Resources Canada (Canada)
GSFC	Goddard Space Flight Center (USA)
GSI	GeoSpatial Information authority of japan (Japan)
GSK	Generalized Spectral Kurtosis
GSM	Global System for Mobile communication
GSOS	GPS Surface Observing System
GSS	Generator of Synchronization Signals
GST	Greenwich Sideral Time
HAMTIDE	Hamburg direct data Assimilation Methods for TIDEs
HartRAO	Hartebeesthoek Radio Astronomy Observatory (South Africa)
HAT-Lab	High Advanced Technology-Lab (Italy)
HEMT	High Electron Mobility Transistor
HF	High Frequency
HIA	Herzberg Institute for Astrophysics (Canada)
HIC	Hawaii Intranet Consortium (USA)
HIRLAM	High Resolution Limited Area Model

Honeywell TSI	Honeywell Technology Solutions Inc. (USA)
HOPS	Haystack Observatory Postprocessing System
HPBW	Half Power BeamWidth
HPC	High Performance Compute
HSI	High Speed Input bus
HSIR	High Speed Input Replicated bus
HTS	High Temperature Superconductor
HTSI	Honeywell Technology Solutions Incorporated (USA)
HVAC	Heating, Ventilation, and Air Conditioning
IAA	Institute of Applied Astronomy (Russia)
IAG	International Association of Geodesy
IAPG	Institut für Astronomische und Physikalische Geodäsie (Institute for Astronomical and Physical Geodesy) (Germany)
IAR	Instituto Argentino de Radioastronomía (Argentina)
IAU	International Astronomical Union
IBGE	Instituto Brasileiro de Geografia e Estatística (Brazil)
IBM	International Business Machines Corporation (USA)
iBOB	Interconnect Break Out Board
ICRAR	International Centre for Radio Astronomy Research (Australia)
ICRF	International Celestial Reference Frame
ICRF2	2nd realization of the International Celestial Reference Frame
ICRF3	3rd realization of the International Celestial Reference Frame
ICRS	International Celestial Reference System
IDS	International DORIS Service
IDV	IntraDay Variability
IERS	International Earth Rotation and Reference Systems Service
IETF	Internet Engineering Task Force
IF	Intermediate Frequency
IGeS	International Geoid Service
IGFN	Italian Space Agency GPS Fiducial Network (Italy)
IGFS2	second International Symposium of the Gravity Field of the earth
IGG	Institute of Geodesy and Geophysics (Austria)
IGG	Institut für Geodäsie und Geoinformation der universität bonn (Germany)
IGGB	Institut für Geodäsie und Geoinformation der Universität Bonn (Germany)
IGGOS	Integrated Global Geodetic Observing System (now GGOS)
IGM	Instituto Geográfico Militar (Chile)
IGM	Istituto Geografico Militare (Italy)
IGN	Institut Geographique National (France)
IGN	Instituto Geográfico Nacional (Spain)
IGS	International GNSS Service
IISGEO	International Institute for Space Geodesy and Earth Observation
I-JUSE	Institute of Japanese Union of Scientists and Engineers (Japan)
IKAROS	Interplanetary Kite-craft Accelerated by Radiation of the Sun (Japan)
ILRS	International Laser Ranging Service
IMC	Interface Module of Correlator

IMF	Isobaric Mapping Function
INACH	Institute for Antarctic Research Chile
INAF	Istituto Nazionale di Astrofisica (Italy)
INGV	Institute of Geophysics and Volcanology (Italy)
INPE	Instituto Nacional de Pesquisas Espaciais (Brazil)
InSAR	Interferometric Synthetic Aperture Radar
INTA	Instituto Nacional de Técnica Aeroespacial (Spain)
IP	Internet Protocol
IPEV	Institut polaire français Paul Emile Victor (France)
IPWV	Integrated Precipitable Water Vapor
IRA	Istituto di RadioAstronomia (Italy)
IRAM	Institut de RAdioastronomie Millimétrique (France)
IRAS	InfraRed Astronomy Satellite
IRASR	Institute for Radio Astronomy and Space Research (New Zealand)
IRIS	International Radio Interferometric Surveying
IRP	Invariant Reference Point
IRSR	Institute for Radiophysics and Space Research (New Zealand)
ISACCO	Ionospheric Scintillations Arctic Campaign Coordinated Observation
ISAS	Institute of Space and Astronautical Science (Japan)
ISBN	International Standard Book Number
ISI	Information Sciences Institute (USA)
ISV	Instantaneous State Vector
ITIS	Istituto di Tecnologia Informatica Spaziale (Italy)
ITRF	International Terrestrial Reference Frame
ITRS	International Terrestrial Reference System
ITSS	(Raytheon) Information Technology and Science Services (USA)
IUGG	International Union of Geodesy and Geophysics
IVOA	International Virtual Observatory Alliance
IVP	Invariant Point
IVS	International VLBI Service for Geodesy and Astrometry
IWV	Integrated Water Vapor
IYA	International Year of Astronomy
JADE	JApAnese Dynamic Earth observation by VLBI
JARE	Japanese Antarctic Research Expedition (Japan)
JAXA	Japan Aerospace Exploration Agency (Japan)
JENAM	Joint European and National Astronomy Meeting
JGN	Japan Gigabit Network (Japan)
JGR	Journal of Geophysical Research
JHB	JoHannesBurg
JIVE	Joint Institute for VLBI in Europe
JLRA	Joint Laboratory for Radio Astronomy (China)
JMA	Japan Meteorological Agency (Japan)
JPL	Jet Propulsion Laboratory (USA)
JSPS	Japanese Society for the Promotion of Science (Japan)
JST	Japan Standard Time

KARAT	KAshima RAy-tracing Tools (Japan)
KARATS	KAshima RAy-Tracing Service (Japan)
KAREN	Kiwi Advanced Research and Education Network (New Zealand)
KASI	Korea Astronomy and Space Science Institute (Korea)
KAT	Karoo Array Telescope (South Africa)
KBR	K-Band Ranging
KEG	Kommission für Erdmessung und Glaziologie (Commission for Geodesy and Glaciology) (Germany)
KFC	Kashima Flexible Correlator
KPGO	Kokee Park Geophysical Observatory (USA)
KPSS	Kwiatkowski-Phillips-Schmidt-Shin
KSP	KeyStone Project (Japan)
KSRC	Kashima Space Research Center (Japan)
KSTC	Kashima Space Technology Center
KTU	Karadeniz Technical University (Turkey)
KTU-GEOD	Karadeniz Technical University (KTU), Department of Geomatics Engineering (Turkey)
KVG	Korea VLBI system for Geodesy (Korea)
KVM	Keyboard, Video, and Mouse
KVN	Korean VLBI Network
LAB	Laboratoire d'Astrophysique de Bordeaux (France)
LAGEOS	LAser GEodynamic Satellite
LAMOST	Large Sky Area Multi-object Fiber Spectroscopic Telescope (China)
LAREG	Laboratoire de Recherches en Géodésie (France)
LBA	Long Baseline Array (Australia)
LCP	Left Circular Polarization
LCS	Long baseline array Calibrator Survey
LD	Laser Diode
LEA	Lab of Ephemeris Astronomy (Russia)
LED	Light-Emitting Diode
LEIF	Large Equipment and Infrastructure Funding
LEO	Low Earth Orbit
LHC	Left Hand Circular
LIEF	Large Infrastructure and Equipment Funding
LINZ	Land Information New Zealand (New Zealand)
LLR	Lunar Laser Ranging
LNA	Low Noise Amplifier
LNMAG	Lab of New Methods in Astrometry and Geodynamics (Russia)
LO	Local Oscillator
LOC	Local Organizing Committee
LOD	Length Of Day
LPF	Low Pass Filter
LPI	Lebedev Physical Institute (Russia)
LRS	Laser Ranging System
LSB	Lower Side Band

LSC	Least Squares Collocation
LSF	Large Scale Facility
LSGER	Lab of Space Geodesy and Earth Rotation (Russia)
LSM	Least Squares Method
LSQM	Least Squares Method
MAO	Main Astronomical Observatory (Ukraine)
MARBLE	Multiple Antenna Radio-interferometry for Baseline Length Evaluation
MBH	Mathews/Bufett/Herring Nutation Model
MCB	Monitor and Control Bus
MCI	Monitor and Control Infrastructure
MDION	Multi-Dimensional IONosphere modeling
MDSCC	Madrid Deep Space Communications Complex (Spain)
MEI	Multivariate ENSO Index
MERIT	Monitoring of Earth Rotation and Intercomparison of the Techniques of Observation and Analysis
METLAB	Microwave Energy Transmission LABoratory (Japan)
MEX	Mars Express
MIT	Massachusetts Institute of Technology (USA)
MITEQ	Microwave Information Transmission EQuipment (USA)
MIUR	Ministero dell'Istruzione, dell' Università e della Ricerca (Ministry of Education, University and Research) (Italy)
MJD	Modified Julian Date
MLRO	Matera Laser Ranging Observatory (Italy)
MNHD	Mineral and Natural Hazard Division (Australia)
MNRAS	Monthly Notices of the Royal Astronomical Society
MOBLAS	MOBile LASer
MODEST	MODeL and ESTimate
MOU	Memorandum of Understanding
MPI	Max-Planck-Institute (Germany)
MPI	Message Passing Interface
MPIfR	Max-Planck-Institute for Radioastronomy (Germany)
MPM	Millimeter-wave Propagation Model
MRO	Mars Reconnaissance Orbiter
MRO	Metsähovi Radio Observatory (Finland)
MSL	Mars Science Laboratory
MTLRS	Modular Transportable Laser Ranging System
NAO	National Astronomical Observatories (China)
NAO	National Astronomical Observatory (Japan)
NAOC	National Astronomical Observatories of China (China)
NAOJ	National Astronomical Observatory of Japan (Japan)
NAR	Noise-Adding Radiometer
NAS	Network Attached Storage
NASA	National Aeronautics and Space Administration (USA)
NASU	National Academy of Sciences of Ukraine (Ukraine)
NCAR	National Center for Atmospheric Research (USA)

NCEP	National Centers for Environmental Prediction (USA)
NCRIS	National Collaborative Research Infrastructure Strategy (Australia)
NDBC	National Data Buoy Center
NDRE	Norwegian Defence Research Establishment (Norway)
NEA	Near-Earth Asteroid
NENS	Near Earth Network Services
NEOS	National Earth Orientation Service (USA)
NEQ	Normal Equation System
NESDIS	National Environmental Satellite, Data, and Information Service (USA)
NetCDF	Network Common Data Form
NEXPreS	Novel EXploration Pushing Robust e-VLBI Services
NGII	National Geographic Information Institute (Korea)
NGS	National Geodetic Survey (USA)
NGSLR	Next Generation Satellite Laser Ranging
NIC	Network Interface Card
NICT	National Institute of Information and Communications Technology (Japan)
NII	National Institute of Informatics (Japan)
NIPR	National Institute of Polar Research (Japan)
NMA	Norwegian Mapping Authority (Norway)
NMF	Niell Mapping Function
NNR	No-Net-Rotation
NNT	No-Net-Translation
NOAA	National Oceanic and Atmospheric Administration (USA)
NOFS	U.S. Naval Observatory, Flagstaff Station (USA)
NORAD	North American Aerospace Defense Command
NOT	Nordic Optical Telescope
NRAO	National Radio Astronomy Observatory (USA)
NRC	National Research Council of Canada (Canada)
NRCan	Natural Resources Canada (Canada)
NRF	National Research Foundation (South Africa)
NSF	National Science Foundation (USA)
NTP	Network Time Protocol
NTT	New Technology Telescope (Chile)
NTT	Nippon Telegraph and Telephone Corporation (Japan)
NVI	NVI, Inc. (USA)
NWP	Numerical Weather Prediction
NySMAC	Ny-Ålesund Science Managers Committee
OAM	Observatorio Astronómico de Madrid (Spain)
OAN	Observatorio Astronómico Nacional (Spain)
OASU	Observatoire Aquitain des Sciences de l'Univers (France)
OCA	Observatoire de la Côte d'Azur (France)
OCARS	Optical Characteristics of Astrometric Radio Sources
OPAR	Observatoire de Paris (France)
OPC	(IVS) Observing Program Committee
ORCA	Optical ReCeiver/splitter/Amplifier

Orion KL	Orion Kleinmann-Low
OS	Operating System
OSI	Operator Software Impact
OSO	Onsala Space Observatory (Sweden)
OTL	Ocean Tidal Loading
PARNASSUS	Processing Application in Reference to NICT's Advanced Set of Softwares Usable for Synchronization
PASJ	Publications of the Astronomical Society of Japan
PASP	Publications of the Astronomical Society of the Pacific
PATA	Parallel Advanced Technology Attachment
PC	Principal Component
PCAL	Phase CALibration
PCB	Printed Circuit Board
PCU	Power Control Unit
PEACESAT	Pan-Pacific Education and Communication Experiments by Satellite
PERSAC	Pulkovo EOP and Reference Systems Analysis Center (Russia)
PF	Processing Factor
PFB	Polyphase Filter Bank
PIVEX	Platform Independent VLBI EXchange format
PLC	Programmable Logic Controller
PLO	Phase Locked Oscillator
PM	Polar Motion
PMD	Politecnico di Milano DIAR (Italy)
PMRF	Pacific Missile Range Facility (USA)
PNR	Peak to Noise Ratio
POLARIS	POLar motion Analysis by Radio Interferometric Surveying
POP	Point of Presence
PPN	Parameterized Post-Newtonian
PPP	Precise Point Positioning
PRAO	Pushchino Radio Astronomy Observatory (Russia)
PRARE	Precise RAnge and Range-rate Equipment
PSD	Power Spectrum Density
PSS	Point Source Sensitivity
PTCB	Precise Temperature Control Box
PWL	PieceWise Linear
QDOR	Quadruply Differenced One-way Ranging
QRFH	Quad-Ridged Flared Horn
QRHA	Quad-Ridge Horn Antenna
QZSS	Quasi Zenith Satellite System (Japan)
RAEGE	Red Atlántica de Estaciones Geodinámicas y Espaciales
RAID	Redundant Array of Independent Disks
RAS	Russian Academy of Sciences (Russia)
RCP	Right Circular Polarization
RCU	Receiver Control Unit
RDBE	Roach Digital Back End

RDBE-H	RDBE Hardware version
RDBE-S	RDBE Software version
RDV	Research and Development sessions using the VLBA
RedCLARA	CLARA (Cooperación Latino Americana de Redes Avanzadas) network
REFAG	Reference Frames for Applications in Geosciences
REGINA	REseau GNSS pour l'IGS et la NAVigation (GNSS Receiver Network for IGS and Navigation) (France)
REPA	REsidual Plotting and Ambiguity resolution
REUNA	Red Universitaria Nacional (Chile)
RF	Radio Frequency
RFCN	Retrograde Free Core Nutation
RFI	Radio Frequency Interference
RHC	Right Hand Circular
ROACH	Reconfigurable Open Architecture Computing Hardware
ROEN	Rádio-Observatório Espacial do Nordeste (Brazil)
ROM	Real Observatorio de Madrid (Spain)
RRFID	Radio Reference Frame Image Database
RS-232C	Recommended Standard-232C
RT	Radio Telescope
RTCM	Radio Technical Commission for Maritime services
RTIS	Real-Time Ionospheric Scintillation
RTK	Real-Time Kinematic
RTNF	Radio Telescope National Facility (New Zealand)
RTP	Real-Time Protocol
RTW	Radio Telescope in Wettzell
SAC	Satellite Application Centre
SAC-SOS	Special Analysis Center for Specific Observing Sessions
SAGE	Small Advanced Geodetic e-VLBI System
SAI	Sternberg State Astronomical Institute (Russia)
SAN	Storage Area Network
SANSA	South African National Space Agency (South Africa)
SANSA EO	South African National Space Agency Earth Observation
SAR	Synthetic Aperture Radar
SAS	Scandinavian AirlineS
SATA	Serial Advanced Technology Attachment
SBIR	Small Business Innovation Research
SC	Sub-Commission
SCG	SuperConducting Gravimeter
SCNS	Space Communications Network Services
SCR	Silicon Controlled Rectifier
SDK	Software Development Kit
SDM	Signal Distribution Modules
SDSS	Signal Distribution and Synchronization System
SEAC	Sociedad Española de Aplicaciones Cibernéticas (Spain)
SEFD	System Equivalent Flux Density

SETI	Search for Extraterrestrial Intelligence
SG	Superconducting Gravimeter
SGL	Space Geodynamics Laboratory (Canada)
SGP	Space Geodesy Project
SGT	Stinger Ghaffarian Technologies (USA)
SHAO	SHanghai Astronomical Observatory (China)
SI	Special Issue
SI	Structure Index
SIDC	Solar Influence Data Center (Belgium)
SIMD	Single Instruction Multiple Data
SINEX	Solution INdependent EXchange
SISMA	Seismic Information System for Monitoring and Alert
SK	Spectral Kurtosis
SKA	Square Kilometre Array
SLR	Satellite Laser Ranging
SMA	SubMillimeter Array (USA)
SMA	SubMiniature type-A
SMART	Small Missions for Advanced Research and Technology
SMHI	Swedish Meteorological and Hydrological Institute (Sweden)
SMTO	SubMillimeter Telescope Observatory (USA)
SNAP	Standard Notation for Astronomical Procedures
SNR	Signal to Noise Ratio
SNSN	Swedish National Seismic Network (Sweden)
SOD	Site Occupation Designator
SOSW	Satellite Observing System Wettzell (Germany)
SPb	Saint-Petersburg (Russia)
SPbU	Saint-Petersburg University (Russia)
SPEED	Short Period and Episodic Earth rotation Determination
SPU	Saint-Petersburg University (Russia)
SPV	Signal Path Variation
SRIF	Square Root Information Filter
SRT	Sardinia Radio Telescope (Italy)
SRTM	Shuttle Radar Topography Mission
SSA	Singular Spectrum Analysis
SSAI	Science Systems and Applications, Inc. (USA)
SSB	Solar System Barycenter
STDN	Satellite Tracking Data Network (NASA)
STEREO	Solar TERrestrial RELations Observatory
SU	Station Unit
SUDP	Simple User Datagram Protocol
SVD	Singular Value Decomposition
SvRAO	Svetloe Radio Astronomical Observatory (Russia)
SWT	SW Technology (USA)
SYRTE	SYstème de Références Temps-Espace
TAC	Totally Accurate Clock

TAI	Temps Atomique International (International Atomic Time)
TAL	Terrestrial Air Link
TANAMI	Tracking Active galactic Nuclei with Austral Milliarcsecond Interferometry (Australia)
TanDEM-X	TerraSAR-X add-on for Digital Elevation Measurement (Germany)
TAO	Telecommunications Advanced Organization (Japan)
TCE	Time Comparison Equipment
TDC	(IVS) Technology Development Center
TEC	Total Electron Content
TECU	Total Electron Content Units
TEIN	Trans-Eurasia Information Network
Telecom NZ	Telecom New Zealand
TEM	Transverse ElectroMagnetic
TEMPO	Time and Earth Motion Precision Observations
TENET	Tertiary Education and Research Network of South Africa (South Africa)
TERENA	Trans-European Research and Education Networking Association
TerraSAR	Terra Synthetic Aperture Radars (Germany)
TerraSAR-X	Terra Synthetic Aperture Radars X-band (Germany)
TID	Traveling Ionospheric Disturbance
TIGA-PP	GPS TIDE GAUGE Benchmark Monitoring Pilot Project
TIGO	Transportable Integrated Geodetic Observatory (Germany, Chile)
TLE	Two Line Elements
TLRS	Transportable Laser Ranging System
TMR	Training and Mobility of Researchers program of the European Community
ToR	IVS Terms of Reference
TOW	Technical Operations Workshop
TRF	Terrestrial Reference Frame
TSPM	Test Synchronization Pulsar gating Module
TTC	Tracking, Telemetry, and Command
TTL	Transistor-Transistor Logic
TTW	Twin Telescope Wettzell (Germany)
TU	Technische Universität
TUM	Technische Universität München (Technical University of Munich) (Germany)
TWA	Travel Wave Antennas
TWSTFT	Two-Way Satellite Time and Frequency Transfer
UAO	Urumqi Astronomical Observatory (China)
UBB	Universidad del Bío Bío (Chile)
UC Berkeley	University of California, Berkeley (USA)
UCP	Unified Control Point
UD	Upper Diagonal
UDC	Up-Down Converter
UDMA	Ultra Direct Memory Access
UEN	Up East North
UMTS	Universal Mobile Telecommunications System
UNAVCO	University NAVSTAR Consortium

UNICAMP	Universidade Estadual de Campinas (Brazil)
UNISEC	UNiversity Space Engineering Consortium (Japan)
UNITEC-1	UNisec Technological Experiment Carrier-1 (Japan)
UR	Ultra Rapid
UREO	Ultra-Rapid Earth Orientation
URSI	Union Radio-Scientifique Internationale
USB	Unified S-Band
USB	Upper Side Band
USNO	United States Naval Observatory (USA)
USP	Universidade de São Paulo (Brazil)
USS	Uniform Sky Strategy
UT	Universal Time
UT1	Universal Time
UTAS	University of TASmania (Australia)
UTC	Coordinated Universal Time
u-VLBI	Ultra High Sensitivity VLBI
UWB	Ultra WideBand
V2PEG	VLBI2010 Project Executive Group
VC	Variance Components
VC	Video Converter
VCS	VLBA Calibrator Survey
VDBE	VLBA Digital BackEnd
VDIF	VLBI Data Interchange Format
VEGA	Venus-Halley project (Russia)
VERA	VLBI Exploration of Radio Astrometry
VEX	Venus EXpress
VEX	VLBI EXchange format
VHDL	Very High-level Design Language
VieVS	Vienna VLBI Software
VGOS	Vlbi2010 Global Observing System
VLA	Very Large Array (USA)
VLBA	Very Long Baseline Array (USA)
VLBI	Very Long Baseline Interferometry
VMF	Vienna Mapping Function
VMware	Virtual Machine software
VO	Virtual Observatory
VSI	VLBI Standard Interface
VSI-C	Metsähovi VSI-H Converter board
VSI-H	VLBI Standard Interface Hardware
VSI-S	VLBI Standard Interface Software
VSN	Volume Serial Number
VSOP	VLBI Space Observatory Program
VSR	VLBI Science Recorder
VSSP	Versatile Scientific Sampling Processor
VTEC	Vertical Total Electron Content

VTM	Vienna TEC (Total Electron Content) Model
VTP	VLBI Transport Protocol
VTRF	VLBI Terrestrial Reference Frame
WACO	WAshington COrrelator (USA)
WEBT	Whole Earth Blazar Telescope
WEGENER	Working Group of European Geoscientists for the Establishment of Networks for Earth-science Research
WG	Working Group
WGS84	World Geodetic System 1984
WIDAR	Wideband Interferometric Digital ARchitecture
WLAN	Wireless Local Area Network
WLRS	Wettzell Laser Ranging System (Germany)
WMAP	Wilkinson Microwave Anisotropy Probe
WVR	Water Vapor Radiometer
WVSR	Wideband VLBI Science Recorder
WWW	World Wide Web
XDM	eXperimental Development Model
ZcRAO	Zelenchukskaya Radio Astronomical Observatory (Russia)
ZTD	Zenith Total Delay
ZWD	Zenith Wet Delay