

List of Acronyms

AAM	Atmosphere Angular Momentum
AAS	American Astronomical Society
ACF	AutoCorrelation Function
ACU	Antenna Control Unit
AD	Analog-to-Digital
AES	Advanced Engineering Services Co.,Ltd (Japan)
AGN	Active Galactic Nuclei
AIPS	Astronomical Image Processing System
ANU	Australian National University (Australia)
AOA	Allen Osborne Associates
AOC	Array Operation Center (Japan)
APSG	Asia-Pacific Space Geodynamics program
APT	Asia Pacific Telescope
ARIES	Astronomical Radio Interferometric Earth Surveying program
ARO	Algonquin Radio Observatory (Canada)
ASI	Agenzia Spaziale Italiana (Italian Space Agency) (Italy)
ATA	Allen Telescope Array
ATM	Asynchronous Transfer Mode
ATNF	Australia Telescope National Facility (Australia)
BBC	Base Band Converter
BIPM	Bureau International de Poids et Mesures (France)
BKG	Bundesamt für Kartographie und Geodäsie (Germany)
BOSSNET	BOSon South NETwork
CACS	Canadian Active Control System
CARAVAN	Compact Antenna of Radio Astronomy for VLBI Adapted Network (Japan)
CAS	Chinese Academy of Sciences (P.R. China)
CAY	Centro Astronómico de Yebes (Spain)
CDDIS	Crustal Dynamics Data Information System (USA)
CDP	Crustal Dynamics Project
CfA	Harvard-Smithsonian Center for Astrophysics (USA)
CGS	Centro di Geodesia Spaziale (Italy)
CIB	Correlator Interface Board
CNES	Centre National d'Etudes Spatiales (France)
CNR	Consiglio Nazionale delle Ricerche (Italy)
CNRS	National Center for Scientific Research (France)
CNS	Communication, Navigation and Surveillance systems, Inc. (USA)
CODA	Correlator Output Data Analyzer
CORE	Continuous Observations of the Rotation of the Earth
CRAAE	Centro de Rádio Astronomia e Aplicações Espaciais (Brazil)
CRAAM	Centro de Rádio-Astronomia e Astrofísica Mackenzie (Brazil)
CRESTech	Centre for Research in Earth and Space Technology (Canada)
CRF	Celestial Reference Frame

CRL	Communications Research Laboratory (now NICT) (Japan)
CSA	Canadian Space Agency (Canada)
CSCU	Cryogenic System Control Unit
CSRS	Canadian Spatial Reference System
CTVA	Canadian Transportable VLBI Antenna
CUTE	CRL and University Telescopes Experiment (Japan)
CVN	Chinese VLBI Network
DAR	Data Acquisition Rack
DAS	Data Acquisition System
DAT	Digital Audio Tape
DBBC	Digital Base Band Converter
DBE	Digital BackEnd
DGFI	Deutsches Geodätisches ForschungsInstitut (Germany)
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)
DOMES	Directory Of MERIT Sites
DORIS	Doppler Orbitography by Radiopositioning Integrated on Satellite
DRAGON	Dynamic Resource Allocation through GMPLS over Optical Networks
DRAO	Dominion Radio Astrophysical Observatory (Canada)
DVLBI	Differential VLBI
ECMWF	European Center for Medium Range Weather Forecasting
EGAE	Experiment Guided Adaptive Endpoint
ENVISAT	ENVIronmental SATellite
EOP	Earth Orientation Parameters
ERP	Earth Rotation Parameters
EUREF	EUropean REFerence Frame
eVLA	Expanded Very Large Array
e-VLBI	Electronic VLBI
EVN	European VLBI Network
FAGS	Federation of Astronomical and Geophysical data analysis Services
FCN	Free Core Nutation
FESG	Forschungseinrichtung Satellitengeodäsie/Technical University of Munich (Germany)
FFI	Forsvarets ForskningsInstitut (Norwegian Defence Research Establishment) (Norway)
FITS	Flexible Image Transport System
FS	Field System
FTP	File Transfer Protocol
FWF	Fonds zur Förderung der wissenschaftlichen Forschung (Austrian Science Fund)
GA	Geoscience Australia (Australia)
GAPE	Great Alaska and Pacific Experiment
GARNET	GSI Advanced Radiotelescope NETwork (Japan)
GARR	Gruppo per l'Armonizzazione delle Reti della Ricerca (Italy)
GARS	German Antarctic Receiving Station (Antarctica)

GEMD	Geohazard and Earth Monitoring Division (Australia)
GeoDAF	Geodetical Data Archive Facility (Italy)
GEX	Giga-bit series VLBI EXperiment
GFZ	GeoForschungsZentrum (Germany)
GGAO	Goddard Geophysical and Astronomical Observatory (USA)
GGP	Global Geodynamics Project
GISTM	GPS Ionospheric Scintillation and TEC Monitor
GIUB	Geodetic Institute of the University of Bonn (Germany)
GLONASS	GLObal NAVigation Satellite System
GMF	Global Mapping Function
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GREF	German GPS REference network
GRGS	Groupe de Recherches de Géodésie Spatiale (France)
GSD	Geodetic Survey Division of Natural Resources Canada (Canada)
GSFC	Goddard Space Flight Center (USA)
GSI	Geographical Survey Institute (Japan)
HF	High Frequency
HPBW	Half Power Beam Width
HTSI	Honeywell Technology Solutions Incorporated (USA)
IAA	Institute of Applied Astronomy (Russia)
IAG	International Association of Geodesy
IAU	International Astronomical Union
iBOB	Interface Break Out Board
ICRF	International Celestial Reference Frame
ICRS	International Celestial Reference System
IDS	International DORIS Service
IERS	International Earth Rotation Service
IGFN	Italian Space Agency GPS Fiducial Network (Italy)
IGG	Institute of Geodesy and Geophysics (Austria)
IGGB	Institut für Geodäsie und Geoinformation (Germany)
IGM	Instituto Geográfico Militar (Chile)
IGN	Instituto Geográfico Nacional (Spain)
IGS	International GPS Service
ILRS	International Laser Ranging Service
INAF	Istituto Nazionale di Astrofisica (Italy)
INGV	National Institute of Geophysics and Volcanology (Italy)
INPE	Instituto Nacional de Pesquisas Espaciais (Brazil)
IPWV	Integrated Precipitable Water Vapor
IRA	Istituto di RadioAstronomia (Italy)
IRIS	International Radio Interferometric Surveying
ISAS	Institute of Space and Astronautical Science (Japan)
ITRF	International Terrestrial Reference Frame
ITRS	International Terrestrial Reference System
IUGG	International Union of Geodesy and Geophysics

IVS	International VLBI Service for Geodesy and Astrometry
JADE	Japanese Dynamic Earth observation by VLBI
JARE	Japanese Antarctic Research Expedition (Japan)
JAXA	Japan Aerospace Exploration Agency (Japan)
JGN	Japan Gigabit Network (Japan)
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)
KAT	Karoo Array Telescope (South Africa)
KPGO	Kokee Park Geophysical Observatory (USA)
KSP	KeyStone Project (Japan)
KSRC	Kashima Space Research Center (Japan)
KVN	Korean VLBI Network
LBA	Long Baseline Array
LEIF	Large Equipment and Infrastructure Funding
LLR	Lunar Laser Ranging
LNA	Low Noise Amplifier
LO	Local Oscillator
LOD	Length Of Day
LSB	Lower Side Band
MAO	Main Astronomical Observatory (Ukraine)
MIT	Massachusetts Institute of Technology (USA)
MLRO	Matera Laser Ranging Observatory (Italy)
MOBLAS	MOBile LASer
MODEST	MODEl and ESTimate
MPI	Max-Planck-Institute (Germany)
MPIfR	Max-Planck-Institute for Radioastronomy (Germany)
MTLRS	Modular Transportable Laser Ranging System
NAOC	National Astronomical Observatories of China
NAOJ	National Astronomical Observatory of Japan (Japan)
NASA	National Aeronautics and Space Administration (USA)
NCRIS	National Collaborative Research Infrastructure Strategy (Australia)
NEA	Near-Earth Asteroid
NEOS	National Earth Orientation Service (USA)
NGS	National Geodetic Survey (USA)
NICT	National Institute of Information and Communications Technology (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)

NRAO	National Radio Astronomy Observatory (USA)
NRCan	Natural Resources Canada (Canada)
NSF	National Science Foundation (USA)
NTT	Nippon Telegraph and Telephone Corporation (Japan)
NVI	NVI, Inc. (USA)
OAN	Observatorio Astronómico Nacional (Spain)
OCA	Observatoire de la Côte d'Azur (France)
OPAR	Paris Observatory (France)
OPC	(IVS) Observing Program Committee
OSO	Onsala Space Observatory (Sweden)
PARNASSUS	Processing Application in Reference to NICT's Advanced Set of Softwares Usable for Synchronization
PCAL	Phase CALibration
PCU	Power Control Unit
POLARIS	POLar motion Analysis by Radio Interferometric Surveying
PRARE	Precision RAnge and Range-rate Experiment
PWV	Precipitable Water Vapour
QSO	Quasi-Stellar Object
RAS	Russian Academy of Sciences (Russia)
RCU	Receiver Control Unit
RDV	Research and Development sessions using the VLBA
RedCLARA	CLARA (Cooperación Latino Americana de Redes Avanzadas) network
REUNA	Red Universitaria Nacional (Chile)
RFI	Radio Frequency Interference
ROEN	Rádio-Observatório Espacial do Nordeste (Brazil)
RRFID	Radio Reference Frame Image Database
RTP	Real-Time Protocol
SAGE	Small Advanced Geodetic e-VLBI System
SCR	Silicon Controlled Rectifier
SDK	Software Development Kit
SEFD	System Equivalent Flux Density
SGL	Space Geodynamics Laboratory (Canada)
SGT	Stinger Ghaffarian Technologies (USA)
SHAO	Shanghai Astronomical Observatory (China)
SI	Structure Index
SINEX	Solution INdependent EXchange format
SKA	Square Kilometer Array
SLR	Satellite Laser Ranging
SMART	Small Missions for Advanced Research and Technology
SNAP	Standard Notation for Astronomical Procedures
SPbU	Saint-Petersburg University (Russia)
SPU	Saint-Petersburg University (Russia)
SRTM	Shuttle Radar Topography Mission
STDN	Satellite Tracking Data Network (NASA)
STEREO	Solar TERrestrial RELations Observatory

SU	Station Unit
SWT	SW Technology (USA)
TAC	Totally Accurate Clock
TAO	Telecommunications Advanced Organization (Japan)
TDC	Technology Development Center
TEC	Total Electron Content
TerraSAR-X	Terra Synthetic Aperture Radar X-band (Germany)
TID	Traveling Ionospheric Disturbance
TIGO	Transportable Integrated Geodetic Observatory (Germany, Chile)
TLRS	Transportable Laser Ranging System
TRF	Terrestrial Reference Frame
TSPM	Test Synchronization Pulsar gating Module
TUM	Technical University of Munich
UBB	Universidad del Bío Bío (Chile)
URSI	International Union of Radio Science
USB	Upper Side Band
USNO	U. S. Naval Observatory (USA)
UT	Universal Time
UT1	Universal Time
UTAS	University of TASmania (Australia)
UTC	Coordinated Universal Time
VCS	VLBA Calibrator Survey
VEGA	Venus-Halley project (Russia)
VERA	VLBI Exploration of Radio Astrometry
VEX	VLBI EXchange format
VLBA	Very Long Baseline Array (USA)
VLBI	Very Long Baseline Interferometry
VMF	Vienna Mapping Functions
VSI-H	VLBI Standard Interface Hardware
VSOP	VLBI Space Observatory Program
VSSP	Versatile Scientific Sampling Processor
VTRF	VLBI Terrestrial Reference Frame
WACO	WAshington COrrrelator (USA)
WG	Working Group
WVR	Water Vapor Radiometer
WWW	World Wide Web
XDM	eXperimental Development Model
ZTD	Zenith Total Delay
ZWD	Zenith Wet Delay