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## List of Acronyms

ACU	Antenna Control Unit
AGU	American Geophysical Union
AIPS	Astronomical Image Processing System
ANU	Australian National University (Australia)
APPS	Advanced Precise Positioning System
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)
AUSLIG	AUstralian Surveying and Land Information Group (now GA) (Australia)
A-WVR	Advanced Water Vapor Radiometer
BBC	Base-Band Converter
BIPM	Bureau International de Poids et Mesures (France)
BKG	Bundesamt für Kartographie und Geodäsie (Germany)
CACS	Canadian Active Control System
CAS	Chinese Academy of Sciences (P.R. China)
CAY	Centro Astronómico de Yebes (Spain)
CC	(IVS) Coordinating Center
CDDIS	Crustal Dynamics Data Information System (USA)
CDP	Crustal Dynamics Project
CGS	Centro di Geodesia Spaziale (Italy)
CMVA	Coordinated Millimeter VLBI Array
CNES	Centre National d'Etudes Spatiales (France)
CNRS	National Center for Scientific Research (France)
CNS	Communication, Navigation and Surveillance systems, Inc.
CORE	Continuous Observations of the Rotation of the Earth
CPP	IERS Combination Pilot Project
CRAAE	Center for Radio Astronomy and Space Applications (Brazil)
CRAAM	Centro de Rádio-Astronomia e Astrofísica Mackenzie
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)
CSIRO	Commonwealth Scientific and Industrial Research Organization (Australia)
CTVA	Canadian Transportable VLBI Antenna
CUTE	CRL and University Telescopes Experiment (Japan)
DAR	Data Acquisition Rack

DAS	Data Acquisition System
DASOS	DAS Operating System
DAT	Digital Audio Tape
DBBC	Digital Baseband Converter
DeltaDOR	Delta Differenced One-way Range
DGFI	Deutsches Geodätisches ForschungsInstitut (Germany)
DLR	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)
DSN	Deep Space Network
DSS	Deep Space Station
DVLBI	Differential VLBI
ECMWF	European Center for Medium Range Weather Forecasting
ENSG	L'École Nationale des Sciences Géographiques
ENVISAT	ENVIronmental SATellite
EOP	Earth Orientation Parameters
ERP	Earth Rotation Parameters
e-VLBI	Electronic VLBI
EVN	European VLBI Network
FCN	Free Core Nutation
FESG	Forschungseinrichtung Satellitengeodäsie/Technical University of Munich (Germany)
FFI	Forsvarets ForskningsInstitut (Norwegian Defence Research Establishment) (Norway)
FFT	Fast Fourier Transform
FGS	Forschungsgruppe Satellitengeodäsie (Germany)
FS	Field System
FTP	File Transfer Protocol
FWF	Austrian Science Fund
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)
GBT	Green Bank Telescope (USA)
GeoDAF	Geodetical Data Archive Facility (Italy)
GFZ	GeoForschungsZentrum (Germany)
GIUB	Geodetic Institute of the University of Bonn (Germany)
GLONASS	GLObal NAVigation Satellite System
GLORIA	GLObal Radio Interferometry Analysis
GMST	Greenwich Mean Sideral Time
GPS	Global Positioning System
GSD	Geodetic Survey Division of Natural Resources Canada (Canada)
GSFC	Goddard Space Flight Center (USA)

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GSI	Geographical Survey Institute (Japan)
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
ICRF	International Celestial Reference Frame
ICRS	International Celestial Reference System
IERS	International Earth Rotation Service
IGFN	Italian Space Agency GPS Fiducial Network (Italy)
IGG	Institute of Geodesy and Geophysics (Austria)
IGM	Instituto Geográfico Militar (Chile)
IGN	Instituto Geográfico Nacional (Spain)
IGS	International GPS Service
ILRS	International Laser Ranging Service
IMF	Isobaric Mapping Function
INAF	Istituto Nazionale di Astrofisica (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
ITSS	(Raytheon) Information Technology and Science Services (USA)
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
JPL	Jet Propulsion Laboratory (USA)
JSPS	Japanese Society for the Promotion of Science (Japan)
KSP	KeyStone Project (Japan)
KSRC	Kashima Space Research Center (Japan)
LAGEOS	LAser GEOdynamic Satellite
LAREG	Laboratoire de Recherches en Géodésie (France)
LBA	Long Baseline Array
LEA	Lab of Ephemeris Astronomy (Russia)
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

LSGER	Lab of Space Geodesy and Earth Rotation (Russia)
MAO	Main Astronomical Observatory (Ukraine)
MBH	Mathews/Buffett/Herring Nutation Model
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
NAOJ	National Astronomical Observatory of Japan (Japan)
NASA	National Aeronautics and Space Administration (USA)
NCAR	National Center for Atmospheric Research (USA)
NCEP	National Centers for Environmental Prediction (USA)
NEOS	National Earth Orientation Service (USA)
NESDIS	National Environmental Satellite, Data, and Information 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)
NNR	No-Net-Rotation
NNT	No-Net-Translation
NOAA	National Oceanic and Atmospheric Administration (USA)
NRAO	National Radio Astronomy Observatory (USA)
NRCan	Natural Resources Canada (Canada)
NTT	Nippon Telegraph and Telephone Corporation (Japan)
NVI	NVI, Inc. (USA)
OAN	Observatorio Astronómico Nacional (Spain)
OPAR	Paris Observatory (France)
OPC	(IVS) Observing Program Committee
OSO	Onsala Space Observatory (Sweden)
PF	Processing Factor
PIVEX	Platform Independent VLBI EXchange format
POLARIS	POlAR motion Analysis by Radio Interferometric Surveying
PRARE	Precision RAnge and Range-rate Experiment
RAS	Russian Academy of Sciences (Russia)
RDV	Research and Development sessions using the VLBA
REPA	REsidual Plotting and Ambiguity resolution
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
SEFD	System Equivalent Flux Density
SGL	Space Geodynamics Laboratory (Canada)

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SHAO	Shanghai Astronomical Observatory (China)
SIMD	Single Instruction Multiple Data
SINEX	Solution INdependent EXchange format
SKA	Square Kilometer Array
SLR	Satellite Laser Ranging
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)
SWT	SW Technology (USA)
TAC	Totally Accurate Clock
TAI	Temps Atomique International (International Atomic Time)
TAO	Telecommunications Advanced Organization (Japan)
TDC	Technology Development Center
TECU	Total Electron Content Units
TEMPO	Time and Earth Motion Precision Observations
TOW	Technical Operations Workshop
TRF	Terrestrial Reference Frame
TUM	Technical University of Munich
UBB	Universidad del Bío Bío (Chile)
URSI	International Radio Science Union
USB	Upper Side Band
USNO	U. S. Naval Observatory (USA)
UT1	Universal Time
UTAS	University of Tasmania (Australia)
UTC	Coordinated Universal Time
VCS	VLBA Calibrator Survey
VERA	VLBI Exploration of Radio Astrometry
VLBA	Very Long Baseline Array (USA)
VLBI	Very Long Baseline Interferometry
VMF	Vienna Mapping Functions
VSSP	Versatile Scientific Sampling Processor
VTEC	Vertical Total Electron Content
VTRF	VLBI Terrestrial Reference Frame
WACO	WAShington COrrelator (USA)
WVR	Water Vapor Radiometer
WWW	World Wide Web
ZTD	Zenith Total Delay
ZWD	Zenith Wet Delay