

## List of Acronyms

A-WVR	Advanced Water Vapor Radiometer
ACU	Antenna Control Unit
AIPS	Astronomical Image Processing 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)
ATM	Asynchronous Transfer Mode
ATNF	Australia Telescope National Facility
AUSLIG	AUstralian Surveying and Land Information Group (Australia)
BKG	Bundesamt für Kartographie und Geodäsie (Germany)
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
CGLBI	Canadian Geodetic Long Baseline Interferometry
CGS	Centro di Geodesia Spaziale (Italy)
CLIWA-NET	Cloud LIquid WAtEr NETwork
CMVA	Coordinated Millimeter VLBI Array
CNR	Consiglio Nazionale delle Ricerche (Italy)
CNRS	National Center for Scientific Research (France)
CORE	Continuous Observations of the Rotation of the Earth
COTS	Commercial-Off-The-Shelf
CRAAE	Center for Radio Astronomy and Space Applications (Brazil)
CrAO	Crimean Astrophysical Observatory (Ukraine)
CRESTech	Centre for Research in Earth and Space Technology (Canada)
CRF	Celestial Reference Frame
CRL	Communications Research Laboratory (Japan)
CTVA	Canadian Transportable VLBI Antenna
DAR	Data Acquisition Rack
DAS	Data Acquisition System
DAT	Digital Audio Tape
DGFI	Deutsches Geodätisches Forschungsinstitut (Germany)
DLR	German Aerospace Center
DOMES	Directory Of MERIT Sites
DORIS	Doppler Orbitography by Radiopositioning Integrated on Satellite
DRAO	Dominion Radio Astrophysical Observatory (Canada)
DSIF	Deep Space Instrumentation Facility
DSN	Deep Space Network
EGS	European Geophysical Society
EOP	Earth Orientation Parameters

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ESA	European Space Agency
EU	European Union
EVN	European VLBI Network
FAGS	Federation of Astronomical and Geophysical Data Analysis Services
FFI	Forsvarets ForskningsInstitutt (Norwegian Defence Research Establishment) (Norway)
FITS	Flexible Image Transport System
FS	Field System
FTP	File Transfer Protocol
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)
GARS	German Antarctic Receiving Station (Antarctica)
GBR	Giga-Bit Recorder
GBT	Green Bank Telescope (USA)
GCGO	Gilmore Creek Geophysical Observatory (USA)
GGAO	Goddard Geophysical and Astronomical Observatory (USA)
GIUB	Geodetic Institute of the University of Bonn (Germany)
GLONASS	GLObal NAVigation Satellite System
GLORIA	GLObal Radio Interferometry Analysis
GPS	Global Positioning System
GSD	Geodetic Survey Division of Natural Resources Canada (Canada)
GSFC	Goddard Space Flight Center (USA)
GSI	Geographical Survey Institute (Japan)
GeoDAF	Geodetical Data Archive Facility (Italy)
HTSI	Honeywell Technology Solutions Incorporated (USA)
HartRAO	Hartebeesthoek Radio Astronomy Observatory (South Africa)
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
IIEC	Institut d'Estudis Espacials de Catalunya (Spain)
IERS	International Earth Rotation Service
IGFN	Italian Space Agency GPS Fiducial Network (Italy)
IGG	Institute of Geodesy and Geophysics
IGN	Instituto Geográfico Nacional (Spain)
IGS	International GPS Service
ILRS	International Laser Ranging Service
IMF	Isobaric Mapping Function
INPE	Instituto Nacional de Pesquisas Espaciais (Brazil)
IRA	Istituto di RadioAstronomia (Italy)
IRIS	International Radio Interferometric Surveying
ISAS	Institute of Space and Astronautical Science

ITIS	Istituto di Tecnologia Informatica Spaziale (Italy)
ITRF	International Terrestrial Reference Frame
ITSS	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)
JIVE	Joint Institute for VLBI in Europe
JPL	Jet Propulsion Laboratory (USA)
KSP	KeyStone Project (Japan)
KVN	Korea VLBI Network (Korea)
LEA	Lab of Ephemeris Astronomy (Russia)
LNA	Low Noise Amplifier
LNMAG	Lab of New Methods in Astrometry and Geodynamics (Russia)
LSB	Lower SideBand
LSF	Large Scale Facility
LSGER	Lab of Space Geodesy and Earth Rotation (Russia)
MIT	Massachusetts Institute of Technology (USA)
MLRO	Matera Laser Ranging Observatory (Italy)
MPI	Max-Planck-Institute (Germany)
MPIfR	Max-Planck-Institute for Radioastronomy (Germany)
MTLRS	Modular Transportable Laser Ranging System
NAO	National Astronomical Observatory (Japan)
NAOJ	National Astronomical Observatory of Japan (Japan)
NASA	National Aeronautics and Space Administration (USA)
NEOS	National Earth Orientation Service (USA)
NGS	National Geodetic Survey (USA)
NIPR	National Institute of Polar Research (Japan)
NMF	Niell Mapping Function
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)
OSO	Onsala Space Observatory (Sweden)
PIVEX	Platform Independent VLBI EXchange format
PRARE	Precision RAnge and Range-rate Experiment
RAS	Russian Academy of Sciences (Russia)
RFI	Radio Frequency Interference
ROEN	Rádio-Observatório Espacial do Nordeste (Brazil)
SEFD	System Equivalent Flux Density
SGL	Space Geodynamics Laboratory (Canada)
SHAO	Shanghai Astronomical Observatory (China)

SINEX	Solution INdependent EXchange format
SLR	Satellite Laser Ranging
SPU	Saint-Petersburg University (Russia)
SPbU	Saint-Petersburg University (Russia)
SRT	Sardinia 64-m Radio Telescope (Italy)
STDN	Satellite Tracking Data Network
SWT	SW Technology (USA)
TAC	Totally Accurate Clock
TIGA-PP	GPS TIdE GAUGE Benchmark Monitoring Pilot Project
TIGO	Transportable Integrated Geodetic Observatory (Germany, Chile)
ToR	IVS Terms of Reference
TOW	Technical Operations Workshop
TMR	Training and Mobility of Researchers program of the European Community
TRF	Terrestrial Reference Frame
UAO	Urumqi Astronomical Observatory (China)
UBB	Universidad del Bío Bío (Chile)
URSI	International Radio Science Union
USB	Upper SideBand
USNO	U. S. Naval Observatory (USA)
UT1	Universal Time
UTC	Coordinated Universal Time
VCS	VLBA Calibrator Survey
VLBA	Very Long Baseline Array (USA)
VSI	VLBI Standard Interface
VSI-H	VLBI Standard Interface Hardware
VSI-S	VLBI Standard Interface Software
VSOP	VLBI Space Observatory Program
WACO	WAShington COrrrelator (USA)
WG1	IVS Working Group 1
WG2	IVS Working Group 2
WVR	Water Vapor Radiometer
WWW	World Wide Web
ZWD	Zenith Wet Delay