Appendix 5: Acronyms

The following acronyms and other abbreviations are used in this report. For more acronyms related to IERS see <http://www.iers.org/Acronyms>.

A&A	Astronomy & Astrophysics
AAM	Atmospheric Angular Momentum
AAS	American Astronautical Society
AC	Analysis Centre
AC	Analysis Coordinator
ACC	[IGS] Analysis Center Coordinator
AGN	Active Galactic Nucleus [or Nuclei]
AGU	American Geophysical Union
AICAS	Astronomical Institute, Academy of Sciences of the Czech Republic
AIUB	Astronomical Institute, University of Bern
ANTEX	Antenna Exchange [format]
AOB	Astronomical Observatory of Belgrade
APSG	Asia-Pacific Space Geodynamics
AR	[IERS] Annual Report
AR	autoregressive
ASCII	American Standard Code for Information Interchange
ASI	Agenzia Spaziale Italiana
ASV	Astronomical Station Vidojevica
ATML	atmospheric loading
AUS	= AUSLIG
AUSLIG	Australian Surveying and Land Information Group (now: Geoscience Australia)
AVISO	Archiving, Validation and Interpretation of Satellites Oceanographic data
AWG	Analysis Working Group
BIH	Bureau International de l'Heure
BIPM	Bureau International des Poids et Mesures
BKG	Bundesamt für Kartographie und Geodäsie
BVID	Bordeaux VLBI Image Database
Caltech	California Institute of Technology
CASLEO	Complejo Astronómico El Leoncito
CATREF	Combination and Analysis of Terrestrial Reference Frames
CB	Central Bureau
CB	Coordinating Board
CC	Combination Centre
CCD	Charge-Coupled Device
CDDIS	NASA Crustal Dynamics Data Information System
CERGA	Centre d'Etudes et de Recherches Géodynamiques et Astronomiques
CfA	Harvard-Smithsonian Center for Astrophysics
CFHT	Canada-France-Hawaii Telescope
CLS	Collecte Localisation Satellites
CNES	Centre National d'Etude Spatiale
CODE	Centre for Orbit Determination in Europe
COL	combination at/on the observation level
CONT	continuous VLBI session/campaign
CRF	Celestial Reference Frame
CSR	Center for Space Research, University of Texas
CTIO	Cerro Tololo Inter-American Observatory
CV	Curriculum Vitae
DARN	detrimental, astrophysical, random noise
DB	Directing Board
DBE	digital backend
DC	District of Columbia
Dec	declination
deg	degree
DGFI	Deutsches Geodätisches Forschungsinstitut
DiFX	Distributed FX
DIODE	DORIS real time on-board orbit determination
DIS	IERS Data and Information System
DOI	Digital Object Identifier
DOMES	Directory Of MERIT Sites (originally; now of more general use)
DORIS	Doppler Orbit determination and Radiopositioning Integrated on Satellite
DPAC	Data Processing and Analysis Consortium
DPOD	DORIS terrestrial reference frame for precise orbit determination

DTRF	ITRS realization by DGFI
DUT1	= UT1–UTC
ECMWF	European Center for Medium Range Weather Forecasting
EGU	European Geosciences Union
EMR	Energy, Mines and Resources Canada (replaced by NRCan)
ENVISAT	Environmental Satellite
EO	Earth orientation
EOC	Earth Orientation Centre
EOP	Earth Orientation Parameters
EQ	earthquake
ERF	epoch reference frame
ESA	European Space Agency
ESOC	European Space Operations Center, ESA
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
EVGA	European VLBI [Group] for Geodesy and Astrometry
eVLBI, e-VLBI	Electronic transfer VLBI
FAGS	Federation of Astronomical and Geophysical Data Analysis Services
FNMOC	[US Navy] Fleet Numerical Meteorology and Oceanography Center
FTP, ftp	File Transfer Protocol
GA	General Assembly
GAOUA	Main Astronomical Observatory of the Ukrainian Academy of Sciences
GB	Governing Board
Gbps	Gigabit(s) per second
GCRF	Gaia Celestial Reference Frame
GCRS	Gaia Celestial Reference System
GEST	Goddard Earth Science and Technology Center
GFZ	GeoForschungsZentrum Potsdam
GGAO	Goddard's Geophysical and Astronomical Observatory
GGFC	Global Geophysical Fluids Centre
GGOS	Global Geodetic Observing System
GHz	gigahertz
GIAC	GGOS Inter-Agency Committee
GINS	Geodesy by Simultaneous Digital Integration [software]
GIOVE	Galileo In-Orbit Validation Element
GIQC	Gaia Initial Quasar Catalogue
GLO	= GLONASS
GLONASS	GLObal'naya NAvigatisionnay Sputnikovaya Sistema [Global Orbiting Navigation Satellite System, Russia]
GMES	Global Monitoring of Environment and Security
GNSS	Global Navigation Satellite System
GOP	Geodetic Observatory Pecny
GPS	Global Positioning System
GPST	GPS Time
GRACE, GRGS	Groupe de Recherches de Géodésie Spatiale
GSC	GSFC Analysis Center
GSFC	Goddard Space Flight Center
GS	Gemini South [telescope]
GSI	Geographical Survey Institute
HAM	Hydrological Angular Momentum
HCRF	Hipparcos Catalog Reference Frame
HEO	High Earth Orbiter
hr	hour, hours
IAA	Institute of Applied Astronomy, St. Petersburg
IAG	International Association of Geodesy
IAU	International Astronomical Union
ICRF	International Celestial Reference Frame
ICRS	International Celestial Reference System
ICSU	International Council for Science
IDS	International DORIS Service
IERS	International Earth Rotation and Reference Systems Service
IfE	Institut für Erdmessung [Institute of Geodesy], University of Hannover
IGG, IGGB	Institute of Geodesy and Geoinformation of the University of Bonn
IGN	Institut National de l'Information Géographique et Forestière (formerly: Institut Géographique National)
IGR	IGS rapid [products / satellite orbits]
IGS	International GNSS Service
ILRS	International Laser Ranging Service

IMCCE	Institut de Mécanique Céleste et de Calcul des Éphémérides
INA	= INASAN
INASAN	INstitut AStronomii Rossijskoj Akademii Nauk (Institute of Astronomy of the Russian Academy of Sciences)
INT	Intensive [VLBI session]
IPGP	Institut de Physique du Globe de Paris
IRIS	International Radio Interferometric Surveying
ISO	International Organization for Standardization
ISRO	Indian Space Research Organisation
ISSI	International Space Science Institute
ITRF	International Terrestrial Reference Frame
ITRS	International Terrestrial Reference System
ITU	International Telecommunication Union
IUGG	International Union of Geodesy and Geophysics
IVOA	International Virtual Observatory Alliance
IVS	International VLBI Service for Geodesy and Astrometry
IVTW	International VLBI Technology Workshop
JADE	JApanese Dynamic Earth observation by VLBI
JPL	Jet Propulsion Laboratory
KALREF	Kalman filter for Reference frames
KASI	Korea Astronomy and Space Science Institute
KVN	Korean VLBI Network
LAB	Laboratoire d'Astrophysique de Bordeaux
LAREG	Laboratoire de Recherche en Geodesie
LARGE	Laser Ranging to GNSS s/c Experiment
LCA	LEGOS in cooperation with CLS
LEGOS	Laboratoire d'Etudes en Géophysique et Océanographie Spatiales
LEO	Low Earth Orbit(er)
LFOA	Leopold-Figl-Observatorium für Astrophysik
LLR	Lunar Laser Ranging
LNA	Laboratório Nacional de Astrofísica
LOD	Length of Day
LS	least-squares
MAO	= GAOUA
mas	milliarcsecond(s)
μas	microarcsecond(s)
MCC	Russian Mission Control Centre
MCT	Ministério da Ciência e Tecnologia, Brasília
MeO	Métrologie Optique [Grasse SLR /LLR system]
MERIT	Monitoring Earth Rotation and Inter-comparison of Techniques
MGEX	Multi-GNSS Global Experiment
MIT	Massachusetts Institute of Technology
MJD	Modified Julian Day
MLRO	Matera Laser Ranging Observatory
MPIfR	Max-Planck-Institut für Radioastronomie / Max Planck Institute for Radio Astronomy
ms	millisecond(s)
μs	microsecond(s)
NASA	U.S. National Aeronautics and Space Administration
Nat.	National, Nacional
NAVGEM	[U.S.] Navy Global Environmental Model
NCEP	U.S. National Centers for Environmental Prediction
NEQ	normal equation
NGS	U.S. National Geodetic Survey
NGSLR	[NASA's] Next Generation SLR
NNR	No-net-rotation
NOAA	U.S. National Oceanic and Atmospheric Administration
NOFS	[U.S.] Naval Observatory Flagstaff Station
NOGAPS	[U.S.] Navy Operational Global Atmospheric Prediction System
NOT	Nordic Optical Telescope
NP	SLR normal point(s)
NRAO	[U.S.] National Radio Astronomy Observatory
NRCan	Natural Resources, Canada (formerly: EMR)
ns	nanosecond(s)

NSF	US National Science Foundation
NT	non-tidal
NT-ATML	non-tidal atmospheric loading
NTP	Network Time Protocol
NTT	New Technology Telescope
OAM	Oceanic Angular Momentum
OB	Observatoire de Bordeaux
Obs.	Observatory, Observatoire
OHIG	O'Higgins [station]
OHP	Observatoire de Haute Provence
OP, OPA	Observatoire de Paris
OPAR	Paris Observatory IVS Analysis Center
ORB	Observatoire Royal de Belgique
PC	Product Centre
PCV	Phase-Center Variations
PKS	Parkes Radio Sources
PLATO	Performance Simulations & Architectural Trade-Offs
PM	Polar Motion
POD	Precise [or Precision] Orbit Determination
POE	Precise Orbit Comparison
POLAC	Paris Observatory Lunar Analyses Center
PP	Pilot Project
ppb	parts per billion (10^{-9})
PPP	Precise Point Positioning
PSF	point spread function
PUL	Pulkovo Observatory
PZT	Photographic Zenith Tube [*or* Telescope]
QRFH	Quadridge Feed Horn
QSO	Quasi-Stellar Object [*or* quasar]
QZSS	Quasi-Zenith Satellite System
RA	right ascension
RAEGE	Red Atlantica de Estaciones Geodinamicas y Espaciales
RAM	Random-Access Memory
R&D	Research and Development
RDBE	ROACH Digital Backend
RDV	Research and Development (sessions) with the VLBA
REGINA	Regional glacial isostatic adjustment and CryoSat elevation rate corrections in Antarctica
RF	Reference Frame
RFI	radio frequency interference
RINEX	Receiver INdependent EXchange format
rms, RMS	Root Mean Square
ROACH	Reconfigurable Open Architecture for Computing Hardware
RORF	Radio Optical Reference Frame
RRFID	USNO Radio Reference Frame Image Database
RS/PC	IERS Rapid Service/Prediction Center
SAA	South Atlantic Anomaly
SARAL	Satellite with ARGOS and ALTIKA
SB	Special Bureau
SBA	GGFC Special Bureau for the Atmosphere
SBCP	GGFC Special Bureau for the Combination Products
SBH	GGFC Special Bureau for Hydrology
SBO	GGFC Special Bureau for the Oceans
s/c	spacecraft
sec	second(s) [of time]
SGP	Space Geodesy Project
SINEX	Solution (Software/technique) INdependent EXchange Format
SIO	Scripps Institution of Oceanography
SLR	Satellite Laser Ranging
SNR	signal-to-noise ratio
sq.deg	square degree
SSA	South Atlantic Anomaly
SWOT	Surface Water Ocean Topography [mission]
SYRTE	(Laboratoire) Systèmes de Référence Temps-Espace
TAI	Temps Atomique International (International Atomic Time)
TAROT	Télescopes à Action Rapide pour les Objets Transitoires
TC	technical committee
TC	Technique Centre
TE	Temps des éphémérides / Ephemeris time
TJO	Telescopi Joan Oró
TN	[IERS] Technical Note
ToR	Terms of Reference
TOW	Technical Operations Workshop
TRF	Terrestrial Reference Frame

TT	Terrestrial Time
TU	Technical University
TUM	Technical University of Munich
TUW	Technische Universität Wien (Vienna University of Technology)
U.	University
UCAC	USNO CCD Astrograph Catalog
UK	United Kingdom
UMBC	University of Maryland, Baltimore County
UN	United Nations
UNAVCO	University Navstar Consortium
UN-GGIM	Global Geospatial Information Management Initiative of the UN
URAT	USNO Robotic Astrometric Telescope
URL	Uniform Resource Locator
U.S.	United States
USNO	United States Naval Observatory
UT, UT0, UT1	Universal Time
UTAAM	NOAA AAM analysis and forecast data
UTC	Coordinated Universal Time
UTGPS	UT-like quantity using GPS
VCS	VLBA Calibrator Survey
VGOS	VLBI Global Observing System
VLBA	Very Long Baseline Array, NRAO
VLBI	Very Long Baseline Interferometry
VO	Virtual Observatory
WDS	ICSU World Data System
WG	working group
WP	Work Package
WRC	World Radiocommunication Conference
WRMS	Weighted Root Mean Square
w.r.t	with respect to
XML	eXtensible Markup Language
yr	year