

Appendix 5: Acronyms

2QZ	2dF redshift survey	CLS	Collecte Localisation Satellites
AAM	Atmospheric Angular Momentum	CNES	Centre National d'Etude Spatiale
AC	Analysis Centre	COD	= CODE
AC	Analysis Coordinator	CODE	Centre for Orbit Determination in Europe
AER	Atmospheric and Environmental Research Inc.	CONT	continuous VLBI session
AGN	Active Galactic Nuclei	CPC	Climate Prediction Center
AGU	American Geophysical Union	CPP	IERS Combination Pilot Project
AICAS	Astronomical Institute, Academy of Sciences of the Czech Republic	CPU, cpu	central processing unit
APCV	Antenna Phase Centre Variation	CRC	Combination Research Centre
APKIM	Actual Plate Kinematic and crustal deformation Model	CRD	CRF deepsouth sessions
APSG	Asia-Pacific Space Geodynamics	CRF	Celestial Reference Frame
ASCII	American Standard Code for Information Interchange	CSR	Center for Space Research, University of Texas
ASI	Agenzia Spaziale Italiana	CSRIFS	Combined Square Root Information Filter and Smoother (program)
ATNF	Australia Telescope National Facility	CSW	Catalogue Service Web
AUS	= AUSLIG	DB	Directing Board
AUSLIG	Australian Surveying and Land Information Group (now: Geoscience Australia)	Dep., Dept.	Department
AWG	Analysis Working Group	DGFI	Deutsches Geodätisches Forschungsinstitut
BIH	Bureau International de l'Heure	DIS	IERS Data and Information System
BIPM	Bureau International des Poids et Mesures	DOGS	DGFI Orbit & Geodetic Parameter Estimation Software
BKG	Bundesamt für Kartographie und Geodäsie	DOMES	Directory Of MERIT Sites (originally; now of more general use)
BMBF	Bundesministerium für Bildung und Forschung, Germany	DORIS	Doppler Orbit determination and Radiopositioning Integrated on Satellite
CATREF	Combination and Analysis of Terrestrial Reference Frames	DUT	Delft University of Technology
CB	Central Bureau	DUT1	= UT1-UTC
CC	Combination Centre	ECCO	Estimating the Circulation and Climate of the Ocean
CCD	Charge-Coupled Device	ECMWF	European Center for Medium Range Weather Forecasting
CDDIS	NASA Crustal Dynamics Data Information System	EDC	EUROLAS Data Center
CDS	Centre de Données astronomiques de Strasbourg (formerly: Centre de Données Stellaire)	EGU	European Geosciences Union
CEDR	Center for Earth Dynamics Research	EMR	Energy, Mines and Resources Canada (replaced by NRCan)
CERGA	Centre d'Etudes et de Recherches Géodynamiques et Astronomiques	ENSG	Ecole Nationale de Sciences Géographiques
CGS	Centro di Geodesia Spatiale, ASI	EOC	Earth Orientation Centre
CHAMP	CHALLENGING Minisatellite Payload	EOP	Earth Orientation Parameters
		ESA	European Space Agency
		ESOC	European Space Operations Center, ESA

5 Acronyms

e-VLBI	Electronic transfer VLBI	ID	Identification/Identifier
FAGS	Federation of Astronomical and Geophysical Data Analysis Services	IDS	International DORIS Service
FCN	Free Core Nutation	IERS	International Earth Rotation and Reference Systems Service (formerly: International Earth Rotation Service)
FFI	Forsvarets forskningsinstitut	IGGB	Institute of Geodesy and Geoinformation of the University of Bonn (formerly GIUB)
FTP, ftp	File Transfer Protocol	IGN	Institut Géographique National
GA	General Assembly	IGR	IGS rapid (orbit)
GAOUA	Main Astronomical Observatory of the Ukrainian Academy of Sciences	IGS	International GNSS Service (formerly: International GPS Service)
GEO	Group on Earth Observations	ILRS	International Laser Ranging Service
GEOSS	Global Earth Observation System of Systems	ILRSA	ILRS Combination Centre
GFZ	GeoForschungsZentrum Potsdam	IMF	Isobaric Mapping Function
GGFC	Global Geophysical Fluids Centre	INA	= INASAN
GGOS	Global Geodetic Observing System	INASAN	INstitut ASTRonomii Rossijskoj Akademii Nauk (Institute of Astronomy of the Russian Academy of Sciences)
GGOS-D	GGOS – Deutschland (Germany)	IRIS	International Radio Interferometric Surveying
GIUB	Geodetic Institute of the University of Bonn (now IGGB)	ISO	International Organization for Standardization
GLDAS	NASA's Global Land Data Assimilation System	ITRF	International Terrestrial Reference Frame
GLONASS	Global Orbiting Navigation Satellite System, Russia	ITRS	International Terrestrial Reference System
GLOUP	GLObal Undersea Pressure	ITSS	see Raytheon ITSS
GMF	Global Mapping Function	ITU	International Telecommunication Union
GNSS	Global Navigation Satellite System	IUGG	International Union of Geodesy and Geophysics
GPS	Global Positioning System	IVOA	International Virtual Observatory Alliance
GRACE	Gravity Recovery and Climate Experiment	IVS	International VLBI Service for Geodesy and Astrometry
GRGS	Groupe de Recherches de Géodésie Spatiale	JADE	JAPANESE Dynamic Earth observation by VLBI
GSFC	Goddard Space Flight Center	JCET	Joint Center for Earth System Technology, GSFC
HCRF	Hipparcos Celestial Reference Frame	J-MAPS	Joint Milli-Arcsecond Pathfinder Survey
HEO	High Earth Orbiter	JPL	Jet Propulsion Laboratory
hr	hour	KEOF	Kalman Earth Orientation Filter
HST	Hubble Space Telescope	LaD	Land Dynamics
IAA	Institute of Applied Astronomy, St. Petersburg	LAMPP	Linux Apache MySQL PHP Perl [group of open-source computer programs]
IAC	Information-Analytical Centre, Russia	LAREG	Laboratoire de Recherche en Géodesie
IAG	International Association of Geodesy		
IAU	International Astronomical Union		
ICG	International Committee on Global Navigation Satellite Systems		
ICRF	International Celestial Reference Frame		
ICRS	International Celestial Reference System		
ICSU	International Council for Science		

Appendices

LCA	LEGOS in cooperation with CLS	NOGAPS	[U.S.] Navy's Operational Global Atmospheric Prediction System
LDAS	Land Data Assimilation System		
LEGOS	Laboratoire d'Etudes en Géophysique et Océanographie Spatiales	NRAO	[U.S.] National Radio Astronomy Observatory
LEO	Low Earth Orbit(er)	NRCan	Natural Resources, Canada (formerly: EMR)
LLR	Lunar Laser Ranging		
LOD	Length of Day	ns	nanosecond(s)
LPCE	Laboratoire de Physique et Chimie de l'Environnement	NSGF	NERC Space Geodesy Facility
MAO	= GAOUA	OATo	Osservatorio Astronomico di Torino
mas	milliarcsecond(s)	OBP	Ocean Bottom Pressure
μas	microarcsecond(s)	Obs.	Observatory, Observatoire
MCC	Russian Mission Control Centre	OCA	Observatoire de la Côte d'Azur
MERIT	Monitoring Earth Rotation and Intercomparison of Techniques	OCRF	Optical Celestial Reference Frame
MICOM	Miami Isopycnic Coordinate Ocean Model	OMCT	Ocean Model for Circulation and Tides
MIS	Meta Information System	OP	Observatoire de Paris
MIT	Massachusetts Institute of Technology	OPAR	Paris Observatory IVS Analysis Center
MJD	Modified Julian Day	PC	Product Centre
MOM	Modular Ocean Model	PHP	PHP: Hypertext Preprocessor
MPIfR	Max-Planck-Institut für Radioastronomie / Max Planck Institute for Radio Astronomy	PI	Principal Investigator
ms	millisecond(s)	PM	Polar Motion
μs	microsecond(s)	POCM	Parallel Ocean Climate Model
NASA	U.S. National Aeronautics and Space Administration	POD	Precise [or Precision] Orbit Determination
NCAR	U.S. National Center for Atmospheric Research	POLAC	Paris Observatory Lunar Analyses Center
NCEP	U.S. National Centers for Environmental Prediction	PP	Pilot Project
NEQ	normal equation	ppb	parts per billion (10 ⁻⁹)
NERC	Natural Environment Research Council, UK	PPP	Precise Point Positioning
NetCDF	Network Common Data Form	PRARE	Precise RANGE and Range-Rate Equipment
NGS	U.S. National Geodetic Survey	PT	(SDSS) Photometric Telescope
NMCA	Norwegian Mapping and Catastre Authority	PZT	Photographic Zenith Tube [or Telescope]
NMF	Niell Mapping Function	QSO	Quasi-Stellar Object [quasar]
N.N.	Nomen Nominandum [vacant, to be nominated]	Raytheon	
NNR	No-net-rotation	ITSS	Raytheon Systems Company Information Technology & Scientific Services
NOAA	U.S. National Oceanic and Atmospheric Administration	R&D	Research and Development
NOFS	USNO Flagstaff Station	RDV	Research and Development (sessions) with the VLBA
		RFI	radio frequency interference
		RINEX	Receiver INdependent EXchange format
		rms, RMS	Root Mean Square
		RRFID	USNO Radio Reference Frame Image Database
		RS/PC	IERS Rapid Service/Prediction Center
		SAA	South Atlantic Anomaly

5 Acronyms

SB	Special Bureau	TU	Technical University
SBA	Special Bureau for the Atmosphere	TUM	Technical University of Munich
SBC	Special Bureau for the Core	UCAC	USNO CCD Astrogaph Catalog
SBGG	Special Bureau for Gravity/Geocenter	UCSD	University of California, San Diego
SBH	Special Bureau for Hydrology	Univ.	University
SBL	Special Bureau for Loading	URAT	USNO Robotic Astrometric Telescope
SBO	Special Bureau for the Oceans	URL	Uniform Resource Locator
SDSS	Sloan Digital Sky Survey	USN	= USNO
SHAO	Shanghai Observatory	USNO	United States Naval Observatory
SIM	NASA's Space Interferometry Mission	UT, UT0,	
SINEX	Solution (Software/technique) INdependent EXchange Format	UT1, UT1R	Universal Time
SIO	Scripps Institution of Oceanography	UTAAM	NOAA AAM analysis and forecast data
SLR	Satellite Laser Ranging	UTC	Coordinated Universal Time
SPBU	St Petersburg University	VLA	Very Large Array
SRIF	Square Root Information Filter array sta. station	VLBA	Very Long Baseline Array, NRAO
SYRTE	(Laboratoire) Systèmes de Référence Temps-Espace	VLBI	Very Long Baseline Interferometry
TAI	Temps Atomique International (International Atomic Time)	VMF1	Vienna Mapping Function
TC	Technique Centre	VO	Virtual Observatory
TEMPO	Time and Earth Motion Precision Observations	VOTable	(Virtual Observatory) XML format for the exchange of tabular data
TIVAGAM	Time-variable gravity and surface mass processes	WG	working group
TRF	Terrestrial Reference Frame	WGP	IERS Working Group on Prediction
TT	Terrestrial Time	wk	week
		WRMS	Weighted Root Mean Square
		XML	eXtensible Markup Language
		yr	year
		ZTD	zenith total delay