

Appendix 5: Acronyms

2MASS	Two Micron All Sky Survey	CEDR	Center for Earth Dynamics Research
2QZ	2dF redshift survey	CERGA	Centre d'Etudes et de Recherches Géodynamiques et Astronomiques
AAC	Associated Analysis Centre	CF	origin of ITRF
AAM	Atmospheric Angular Momentum	CFHT	Canada-France-Hawaii Telescope
AC	Analysis Centre	CFHTLS	CFHT Legacy Survey
AC	Analysis Coordinator	CGS	Centro di Geodesia Spatale, ASI
ACC	[IGS] Analysis Center Coordinator	CHAMP	CHAllenging Minisatellite Payload
ADC	Architecture and Data Committee	CLS	Collecte Localisation Satellites
AER	Atmospheric and Environmental Re- search Inc.	CM	instantaneous centre of mass of the whole Earth
AGU	American Geophysical Union	CMB	core-mantle boundary
AICAS	Astronomical Institute, Academy of Sciences of the Czech Republic	CMS	Content Management System
ANDERRA	Atmospheric Neutral Density Experi- ment Risk Reduction	CNES	Centre National d'Etude Spatiale
APCV	Antenna [or Absolute] Phase Centre Variation	COD	= CODE
APKIM	Actual Plate Kinematic and crustal deformation Model	CODE	Centre for Orbit Determination in Europe
APSG	Asia-Pacific Space Geodynamics	CONT	continuous VLBI session
AR	Annual Report	CPC	Climate Prediction Center
ASCII	American Standard Code for Information Interchange	CPP	IERS Combination Pilot Project
ASI	Agenzia Spaziale Italiana	CPU, cpu	central processing unit
ATNF	Australia Telescope National Facility	CRC	Combination Research Centre
AUS	= AUSLIG	CRD	CRF deepsouth [sessions]
AUSLIG	Australian Surveying and Land Informa- tion Group (now: Geoscience Australia)	CRF	Celestial Reference Frame
AWG	Analysis Working Group	CRMS	CRF mediansouth [sessions]
B1.0	USNO-B1.0 Catalog	CSR	Center for Space Research, University of Texas
BIH	Bureau International de l'Heure	CSRIFS	Combined Square Root Information Filter and Smoother (program)
BIPM	Bureau International des Poids et Mesures	CSW	Catalogue Service Web
BKG	Bundesamt für Kartographie und Geodäsie	CVRS	Conventional Vertical Reference System
BMBF	Bundesministerium für Bildung und Forschung, Germany	DB	Directing Board
CATREF	Combination and Analysis of Terrestrial Reference Frames	Dept.	Department
CB	Central Bureau	DGFI	Deutsches Geodätisches Forschungsinstitut
CC	Combination Centre	DIS	IERS Data and Information System
CCD	Charge-Coupled Device	DOGS	DGFI Orbit & Geodetic Parameter Estimation Software
CDDIS	NASA Crustal Dynamics Data Informa- tion System	DOMES	Directory Of MERIT Sites (originally; now of more general use)
		DORIS	Doppler Orbit determination and Radiopositioning Integrated on Satellite
		DREM	Dynamic Reference Earth Model
		DUT1	= UT1–UTC

5 Acronyms

ECCO	Estimating the Circulation and Climate of the Ocean	GEOSS	Global Earth Observation System of Systems
ECMWF	European Center for Medium Range Weather Forecasting	GFZ	GeoForschungsZentrum Potsdam
EDC	EUROLAS Data Center	GGAO	Goddard's Geophysical and Astronomical Observatory
EGU	European Geosciences Union	GGFC	Global Geophysical Fluids Centre
EMR	Energy, Mines and Resources Canada (replaced by NRCan)	GGOS	Global Geodetic Observing System
ENSG	Ecole Nationale de Sciences Geographiques	GGOS-D	GGOS – Deutschland (Germany)
EOC	Earth Orientation Centre	GIA	glacial isostatic adjustment
EOP	Earth Orientation Parameters	GIUB	Geodetic Institute of the University of Bonn (now IGGB)
ERIS	Earth Rotation Information System	GLDAS	NASA's Global Land Data Assimilation System
ERP	Earth Rotation Parameters	GLONASS	Global Orbiting Navigation Satellite System, Russia
ESA	European Space Agency	GLOUP	GLobal Undersea Pressure
ESOC	European Space Operations Center, ESA	GMES	Global Monitoring of Environment and Security
EUMET-SAT	European Organisation for the Exploitation of Meteorological Satellites	GMF	Global Mapping Function
e-VLBI	Electronic transfer VLBI	GNSS	Global Navigation Satellite System
EVN	European VLBI Network	GNU	GNU's Not Unix
FAGS	Federation of Astronomical and Geophysical Data Analysis Services	GOP	Geodetic Observatory Pecny
FCN	Free Core Nutation	GPS	Global Positioning System
FESG	Forschungseinrichtung Satellitengeodäsie, Technical University of Munich	GPT	Global Pressure and Temperature
FFI	Forsvarets forskningsinstitut	GRACE	Gravity Recovery and Climate Experiment
FIRST	Faint Images of the Radio Sky at Twenty-Centimeters	GRGS	Groupe de Recherches de Géodésie Spatiale
FITS	Flexible Image Transport System	GSC23	[Space Telescope] Guide Star Catalog 2.3
FTLRS	French Transportable Laser Ranging Station	GSFC	Goddard Space Flight Center
FTP, ftp	File Transfer Protocol	GSI	Geographical Survey Institute
GA	General Assembly	GSM	GRACE Satellite only Model
GA	Geoscience Australia	GVRs	Global Vertical Reference System
GAC	GRACE Average of non-tidal atmosphere and ocean Combination	HCRF	Hipparcos Celestial Reference Frame
GAOUA	Main Astronomical Observatory of the Ukrainian Academy of Sciences	HEO	High Earth Orbiter
GCM	Gravity Satellite only Monthly solutions	HST	Hubble Space Telescope
GCRS	Geocentric Celestial Reference System	IAA	Institute of Applied Astronomy, St. Petersburg
GEO	Group on Earth Observations	IAG	International Association of Geodesy
GeoDAF	Geodetic Data Archiving Facility	IAU	International Astronomical Union
		ICP	[IAG] Inter Commission Project
		ICRF	International Celestial Reference Frame
		ICRS	International Celestial Reference System
		IC-SG	[IAG] Inter-Commission Study Group

Appendices

IC-WG	[IAG] Inter-Commission Working Group	JPL	Jet Propulsion Laboratory
ICSU	International Council for Science	JVAS	Jodrell Bank-VLA Astrometric Survey
ID	Identification/Identifier	KEOF	Kalman Earth Orientation Filter
IDS	International DORIS Service	LaD	Land Dynamics
IERS	International Earth Rotation and Reference Systems Service (formerly: International Earth Rotation Service)	LAREG	Laboratoire de Recherche en Géodésie
IGFS	International Gravity Field Service	LCA	LEGOS in cooperation with CLS
IGGB	Institute of Geodesy and Geoinformation of the University of Bonn (formerly GIUB)	LCT	Laser Communication Terminal
IGN	Institut Géographique National	LDAS	Land Data Assimilation System
IGR	IGS rapid (orbit)	LEGOS	Laboratoire d'Etudes en Géophysique et Océanographie Spatiales
IGS	International GNSS Service (formerly: International GPS Service)	LEO	Low Earth Orbit(er)
IGSN71	International Gravity Standardization Net 1971	LGM	last glacial maximum
ILRS	International Laser Ranging Service	LLR	Lunar Laser Ranging
ILRSA	ILRS Combination Centre	LOD	Length of Day
INA	= INASAN	LPCE	Laboratoire de Physique et Chimie de l'Environnement
INAF	Istituto Nazionale di Astrofisica	LQAC	Large Quasar Astrometric Catalog
INASAN	INstitut Astronomii Rossijskoj Akademii Nauk (Institute of Astronomy of the Russian Academy of Sciences)	LR	laser ranging
IRA	Istituto di Radioastronomia	LRA	Laser Retroreflector Array
IRIS	International Radio Interferometric Surveying	LRO	Lunar Reconnaissance Orbiter
ISO	International Organization for Standardization	MAO	= GAOUA
ISRO	Indian Space Research Organization	mas	milliarcsecond(s)
IT	Information Technology	μ as	microarcsecond(s)
ITRF	International Terrestrial Reference Frame	MCC	Russian Mission Control Centre
ITRS	International Terrestrial Reference System	MCT	Ministério da Ciência e Tecnologia, Brasília
IUGG	International Union of Geodesy and Geophysics	MERIT	Monitoring Earth Rotation and Intercomparison of Techniques
IVP	invariant reference point	MICOM	Miami Isopycnic Coordinate Ocean Model
IVS	International VLBI Service for Geodesy and Astrometry	MIS	Meta Information System
JADE	Japanese Dynamic Earth observation by VLBI	MIT	Massachusetts Institute of Technology
JAXA	Japan Aerospace Exploration Agency	mJy	milli-Jansky
JCET	Joint Center for Earth System Technology, GSFC	MJD	Modified Julian Day
J-MAPS	Joint Milli-Arcsecond Pathfinder Survey	MOM	Modular Ocean Model
		MPIfR	Max-Planck-Institut für Radioastronomie / Max Planck Institute for Radio Astronomy
		ms	millisecond(s)
		μ s	microsecond(s)
		MW	microwave
		NASA	U.S. National Aeronautics and Space Administration
		NCAR	U.S. National Center for Atmospheric Research

5 Acronyms

NCEP	U.S. National Centers for Environmental Prediction	POCM	Parallel Ocean Climate Model
NCL	University of Newcastle upon Tyne	POD	Precise [or Precision] Orbit Determination
NEQ	normal equation	POLAC	Paris Observatory Lunar Analyses Center
NERC	Natural Environment Research Council, UK	PP	Pilot Project
NetCDF	Network Common Data Form	ppb	parts per billion (10^{-9})
NGS	U.S. National Geodetic Survey	PPN	Precise-Position-Navigation
NGSLR	[NASA's] Next Generation SLR	PRARE	Precise RANGE and Range-Rate Equipment
NICT	National Institute of Information and Communications Technology	PREM	Preliminary Reference Earth Model
NMF	Niell Mapping Function	PSR	pulsar(s)
N.N.	Nomen Nominandum [vacant, to be nominated]	PZT	Photographic Zenith Tube [or Telescope]
NNR	No-net-rotation	QSO	Queued Service Observation
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
NOGAPS	[U.S.] Navy's Operational Global Atmospheric Prediction System	RFI	radio frequency interference
NPM	Lick Northern Proper Motion Program	rms, RMS	Root Mean Square
NPS	(U.S.) Naval Postgraduate School	RRFID	USNO Radio Reference Frame Image Database
NRAO	[U.S.] National Radio Astronomy Observatory	RSC	Radio Source Coordinates
NRCan	Natural Resources, Canada (formerly: EMR)	RSES	Research School of Earth Sciences
NRL	Naval Research Laboratory	RS/PC	IERS Rapid Service/Prediction Center
NRT	Nançay Radio Telescope	SAA	South Atlantic Anomaly
ns	nanosecond(s)	SAR	Synthetic-aperture radar
NSGF	NERC Space Geodesy Facility	SB	Special Bureau
NVSS	NRAO VLA sky survey	SBA	Special Bureau for the Atmosphere
OAM	oceanic angular momentum	SBC	Special Bureau for the Core
Obs.	Observatory, Observatoire	SBGG	Special Bureau for Gravity/Geocenter
OCA	Observatoire de la Côte d'Azur	SBH	Special Bureau for Hydrology
OCRF	Optical Celestial Reference Frame	SBL	Special Bureau for Loading
OGC	Open Geospatial Consortium	SBO	Special Bureau for the Oceans
OP	Observatoire de Paris	SCID	Ad hoc Strategic Committee on Information and Data
OPAR	Paris Observatory IVS Analysis Center	SDSS	Sloan Digital Sky Survey
OV	[HST] orbital verification	SIM	NASA's Space Interferometry Mission
PAA	Priority Area Assessment	SINEX	Solution (Software/technique) INdependent EXchange Format
PC	Product Centre	SIO	Scripps Institution of Oceanography
PHP	PHP: Hypertext Preprocessor	SLR	Satellite Laser Ranging
PI	Principal Investigator	SNR	signal-to-noise ratio
PM	Polar Motion	SOAR	Southern Astrophysical Research
PMM	Precision Measure Machine	SOI	SOAR Optical Imager
PNT	positioning, navigation and timing	SPBU	St Petersburg University

Appendices

SPM	Yale/San Juan Southern Proper Motion Program	USN	= USNO
SRIF	Square Root Information Filter array	USNO	United States Naval Observatory
SYRTE	(Laboratoire) Systèmes de Référence Temps-Espace	UT, UT0, UT1, UT1R	Universal Time
TAI	Temps Atomique International (International Atomic Time)	UTAAM	NOAAAAM analysis and forecast data
TANAMI	Tracking Active galactic Nuclei with Australia Milliarcsecond Interferometry	UTC	Coordinated Universal Time
TC	Technique Centre	VLA	Very Large Array
TEMPO	Time and Earth Motion Precision Observations	VLBA	Very Long Baseline Array, NRAO
TERAPIX	Traitement Elementaire, Reduction et Analyse des PIXels	VCS	[NRAO] VLBA Calibrator Source Survey
ToR	Terms of Reference	VLBI	Very Long Baseline Interferometry
TRF	Terrestrial Reference Frame	VMF, VMF1	Vienna Mapping Function
TT	Terrestrial Time	VO	Virtual Observatory
TU	Technical University	VOTable	(Virtual Observatory) XML format for the exchange of tabular data
TUM	Technical University of Munich	WCS	World Coordinate System
TWS	terrestrial water storage	WFI	Wide Field Imager
UCAC	USNO CCD Astrograph Catalog	WG	working group
UFRJ	Universidade Federal do Rio de Janeiro	WGP	IERS Working Group on Prediction
Univ.	University	WMAP	Wilkinson Microwave Anisotropy Probe
URAT	USNO Robotic Astrometric Telescope	WMO	World Meteorological Organization
URL	Uniform Resource Locator	WRMS	Weighted Root Mean Square
		XML	eXtensible Markup Language
		yr	year