

International Earth Rotation and Reference Systems Service (IERS)
Service International de la Rotation de la Terre
et des Systèmes de Référence

IERS

Annual Report

2003

Verlag des Bundesamts für Kartographie und Geodäsie
Frankfurt am Main 2004

IERS Annual Report 2003

Edited by Wolfgang R. Dick and Bernd Richter

International Earth Rotation and Reference Systems Service
Central Bureau
Bundesamt für Kartographie und Geodäsie
Richard-Strauss-Allee 11
60598 Frankfurt am Main
Germany
phone: ++49-69-6333-273/261/250
fax: ++49-69-6333-425
e-mail: central_bureau@iers.org
URL: www.iers.org

ISSN: 1029-0060 (print version)
ISBN: 3-89888-xxx-x (print version)

An online version of this document is available at:
<http://www.iers.org/iers/publications/reports/2003/>

Druckerei:

© Verlag des Bundesamts für Kartographie und Geodäsie, Frankfurt am Main, 2004

Table of Contents

1 Foreword.....	5
2 The IERS	
2.1 Structure.....	6
2.2 Directing Board.....	10
2.3 Associate Members.....	11
3 Reports of IERS components	
3.1 Directing Board.....	12
3.2 Central Bureau.....	17
3.3 Analysis Coordinator.....	19
3.4 Technique Centres	
3.4.1 International GPS Service (IGS).....	24
3.4.2 International Laser Ranging Service (ILRS).....	28
3.4.3 International VLBI Service (IVS).....	31
3.4.4 International DORIS Service (IDS).....	35
3.5 Product Centres	
3.5.1 Earth Orientation Centre.....	39
3.5.2 Rapid Service/Prediction Centre.....	49
3.5.3 Convention Centre.....	59
3.5.4 ICRS Centre.....	61
3.5.5 ITRS Centre.....	75
3.5.6 Global Geophysical Fluids Centre.....	78
3.5.6.1 Special Bureau for the Atmosphere.....	79
3.5.6.2 Special Bureau for the Oceans.....	81
3.5.6.3 Special Bureau for Tides.....	83
3.5.6.4 Special Bureau for Hydrology.....	84
3.5.6.5 Special Bureau for Mantle.....	86
3.5.6.6 Special Bureau for the Core.....	87
3.5.6.7 Special Bureau for Gravity/Geocentre.....	88
3.5.6.8 Special Bureau for Loading.....	89

3.6 Combination Centres

3.6.1 ITRS Combination Centres

3.6.1.1 Deutsches Geodätisches Forschungsinstitut (DGFI).....	91
3.6.1.2 Institut Géographique National (IGN).....	97
3.6.1.3 Natural Resources, Canada (NRCan).....	101

3.6.2 Combination Research Centres

3.6.2.1 Agenzia Spaziale Italiana (ASI) - Centro di Geodesia Spaziale (CGS).....	106
3.6.2.2 Astronomical Institute, Academy of Sciences of the Czech Republic, and Department of Geodesy, Czech Technical University, Prague.....	109
3.6.2.3 Deutsches Geodätisches Forschungsinstitut (DGFI).....	112
3.6.2.4 Forschungseinrichtung Satellitengeodäsie, Technical University of Munich (FESG).....	114
3.6.2.5 Forsvarets forskningsinstitutt (FFI).....	119
3.6.2.6 Geodetic Institute of the University of Bonn (GIUB).....	122
3.6.2.7 GeoForschungsZentrum Potsdam (GFZ).....	123
3.6.2.8 Groupe de Recherches de Géodésie Spatiale (GRGS).....	124
3.6.2.9 Institut Géographique National (IGN).....	126
3.6.2.10 Institute of Applied Astronomy (IAA).....	127
3.6.2.11 Jet Propulsion Laboratory (JPL).....	129

4 IERS Meetings

4.1 IERS Retreat.....	131
4.2 IERS Workshop on site co-location surveys.....	136

Appendices

1 Terms of Reference.....	138
2 Contact addresses of the IERS Directing Board.....	144
3 Contact addresses of the IERS components.....	149
4 Electronic access to IERS products, publications and components.....	156
5 Acronyms.....	160