

3.2 Central Bureau

General activities

The IERS Central Bureau (CB), hosted and funded by Bundesamt für Kartographie und Geodäsie (BKG), organized and documented the IERS Directing Board (DB) Meetings No. 66, April 8, 2018, at Technical University of Vienna, Austria, and No. 67, December 8, 2018, at Hotel Washington Marriott, Washington, DC, USA (see Section 3.1 for minutes of these meetings). Between the meetings the CB coordinated the work of the DB.

Members of the CB took also part in the following meetings: European Geosciences Union General Assembly 2018 (including meetings of the GGOS Coordinating Board, the GGOS Bureau of Networks and Observations, and the GGOS Standing Committee PLATO), 10th IVS General Meeting, IAU XXX General Assembly, and 21st International Workshop on Laser Ranging.

IERS components maintain individually about 10 separate web sites. The central IERS site www.iers.org, established by the CB, gives access to all other sites, offers information on the structure of the IERS, its products and publications and provides contact addresses as well as general facts on Earth rotation studies. It contains also electronic versions of IERS publications, as well as link lists for IERS, Earth rotation in general and related fields. Throughout 2018 the web site was continually updated, several new pages and documents were added. An extended list of meetings related to the work of the IERS was maintained and updated frequently. The CB maintains also the web pages of the IERS working groups. In an internal area, accessible for DB members and IERS Associate Members, all presentations given at IERS DB meetings since 2000 are available, and further documents were added.

The IERS Annual Report 2016 was printed and distributed. The CB edited the IERS Annual Report 2017 and published it online in December 2018. Along with the reports of the IERS components, provided by them, the annual reports contain general information on the IERS assembled by the CB. The CB compiled also summaries of DB meetings and its own report. The $\text{\LaTeX}$ template for Annual Reports was further improved.

A report of IERS for the period 2015–2018 was submitted to IAU Commission A2 in March 2018.

During the year 2017, 21 IERS Messages (Nos. 347–367) were edited and distributed. They include news from the IERS and of general type as well as announcements of conferences.

Address and subscription information have regularly been updated in the IERS user database. There were about 2800 users in 2018 with

valid addresses who subscribed to IERS publications for e-mail and regular mail distribution.

Questions from IERS users concerning IERS publications and products as well as Earth rotation and reference frames in general were answered or forwarded to other specialists. Two public presentations on the leap second were given at Potsdam and Hamburg, Germany.

The Director of the CB, Daniela Thaller, chairs the IERS Working Group on SINEX Format and is ex officio member of the other IERS WGs. She also leads, together with Benjamin Männel of GFZ, the GGOS Standing Committee PLATO (Performance Simulations and Architectural Trade-Offs), which is also a Joint Working Group with IAG Sub-Commission 1.1. Wolfgang Dick continued to work in the Control Body for an ISO Geodetic Register Network, which will contain standardized and proved data on reference systems.

Time scales - Web Clock

Local Time: 20:34:21 . 963

Date: 2019-12-09 [MJD:](#) 58826

UT1-UTC: -0.17221 s [Leap sec:](#) 37 s

	h	m	s	ms
UTC:	19	34	21	963
UT1:	19	34	21	791
TAI:	19	34	58	963
TT:	19	35	31	147

- Data for UT1-UTC taken from Bulletin A -
 - Data for leap seconds taken from Bulletin C -
 - Local time taken from your computer system -
 Please note: The web clock only works if Javascript is activated in your browser.

Time scales for any date since 1972

UTC (HH:MM:SS): 12:00:00

Date (yyyy-mm-dd): 2018-01-01 or MJD

Date	2018-01-01 12:00:00
Leap seconds	37
MJD	58119
UT1-UTC	0.216341 s
UT1	2018-01-01 12:00:00.216
TAI	2018-01-01 12:00:37
TT	2018-01-01 12:01:09.184

- Data for UT1-UTC taken from Bulletin A -

Fig. 1: User interface of the Time scales tool, see also <https://www.iers.org/timescales>

IERS Data and Information System (DIS)

The IERS Data and Information System (IERS DIS) is continuously being adapted and extended by new components in order to fulfil the requirements for a modern data management and for the access to the data by the users. Besides routine work like maintenance of the data bases of users, products and web pages, in 2018 further developments of the IERS DIS concentrated on the new system for data management and the improvement of interactive tools and graphics. The new data management system was put into operation in spring 2018.

For security reasons, an https instead of the former http access was installed at the server iers.org. Security measures also changed links to IERS data at datacenter.iers.org and at ftp.iers.org.

Additional data privacy protection measures were implemented for the IERS web pages and for the IERS user management system.

Among the products, ICRF3 was added and the series EOP 08 C04 was moved to the “old series” directory, as it was officially stopped in April 2018 (cf. IERS Message No. 354).

Further improvements of the IERS DIS included an update on the IERS Time scales tool and the Time scales and leap second web service.

Staff in 2018

Dr. Daniela Thaller, *Director*

Dr. Wolfgang R. Dick, *scientist and Executive Secretary*

Sabine Bachmann, *scientist*

Sonja Geist, *technician*

Sandra Schneider-Leck, *technician*

Wolfgang R. Dick, Daniela Thaller, Sonja Geist