EOP TIME SERIES

FTP products (http://hpiers.obspm.fr/eop-pc/index.php?index=FTP&lang=en)

Reference C04 series Each day since 1962 (http://hpiers.obspm.fr/eop-pc/index.php?index=C04&lang=en)

Reference C01 series Each 0.05 year from 1846 (http://hpiers.obspm.fr/eop-pc/index.php?index=C01&lang=en)

EOP series & analysis (http://hpiers.obspm.fr/eop-pc/index.php?index=analysis&lang=en)

EOP series & comparison (http://hpiers.obspm.fr/eop-pc/index.php?index=operational&lang=en)

Bulletins B, C, D (http://hpiers.obspm.fr/eop-pc/index.php?index=bulletins&lang=en)

Last days for EOP (http://hpiers.obspm.fr/eop-pc/index.php?index=realtime&lang=en)

Rotation matrix/vector (http://hpiers.obspm.fr/eop-pc/index.php?index=rotation&lang=en)

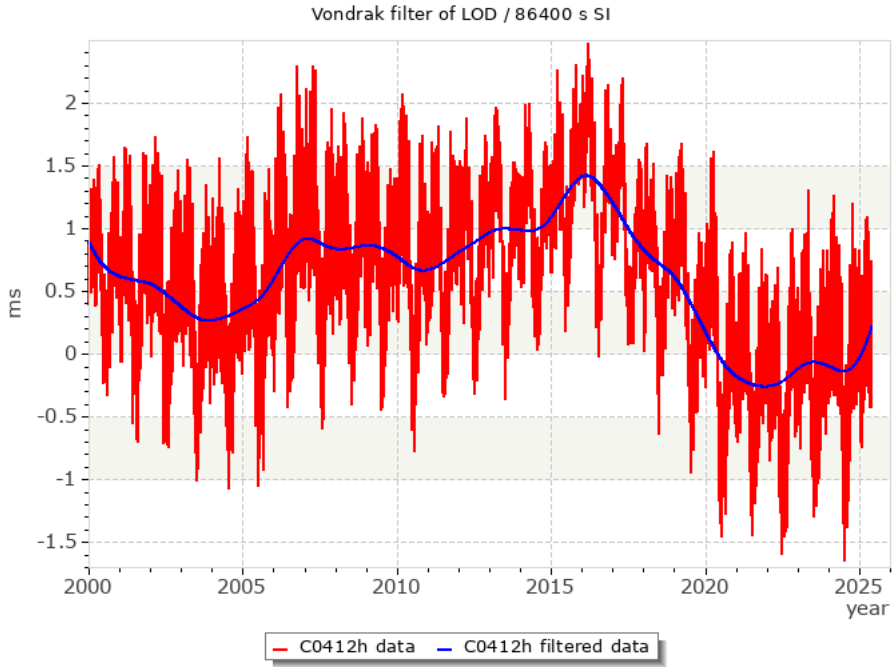
WEB Service (http://hpiers.obspm.fr/eop-pc/index.php?index=webservice&lang=en)

EOP series: synoptic (http://hpiers.obspm.fr/eop-pc/index.php?index=eoptable&lang=en)

THEORY AND MODELLING

GEOPHYSICAL EXCITATION

LINKS



(http://hpiers.obspm.fr/eop-pc/products/operational/analysis2.php?unit=2&year1=2000&year2=2030&eop=6&series=101&step=1&firstdate=&spec=0&freqmin=-10&freqmax=10&xscale=0&yscale=0&optfreq=0&optderi

Last leap second: **31 December 2016** TAI - UTC: **37 s** Next leap second: **Not scheduled**

Leap second file (http://hpiers.obspm.fr/iers/bul/bulc/Leap_Second.dat) **Leap second web service (http://hpiers.obspm.fr/eop-pc/index.php?index=webservice)**

Latest C04 values for pole coordinates (x,y) and UT1 on **30 June 2025** at 0h UTC:

x= 160.40 mas y= 440.12mas UT1-UTC= 42.885 ms

For the latest 7-20 days and the prediction
IERS recommends the use of **Bulletin A** (http://maia.usno.navy.mil/products/eo-products)
provided by the IERS Rapid Service (http://maia.usno.navy.mil/products/eo-products)(USNO, Washington)

EOP TIME SERIES

FTP products (http://hpiers.obspm.fr/eop-pc/index.php?index=FTP&lang=en)

Reference C04 series Each day since 1962 (http://hpiers.obspm.fr/eop-pc/index.php?index=C04&lang=en)

Reference C01 series Each 0.05 year from 1846 (http://hpiers.obspm.fr/eop-pc/index.php?index=C01&lang=en)

EOP series & analysis (http://hpiers.obspm.fr/eop-pc/index.php?index=analysis&lang=en)

EOP series & comparison (http://hpiers.obspm.fr/eop-pc/index.php?index=operational&lang=en)

Bulletins B, C, D (http://hpiers.obspm.fr/eop-pc/index.php?index=bulletins&lang=en)

Last days for EOP (http://hpiers.obspm.fr/eop-pc/index.php?index=realtime&lang=en)

Rotation matrix/vector (http://hpiers.obspm.fr/eop-pc/index.php?index=rotation&lang=en)

WEB Service (http://hpiers.obspm.fr/eop-pc/index.php?index=webservice&lang=en)

EOP series: synoptic (http://hpiers.obspm.fr/eop-pc/index.php?index=eoptable&lang=en)

THEORY AND MODELLING

GEOPHYSICAL EXCITATION

LINKS

Missions of the EOP Product Centre of the International Earth Rotation and Reference Systems Service (IERS):

- Collect through the world the time series of the Earth Orientation Parameters (EOP):
  - **pole coordinates (x,y)**
  - **universal time (UT1-UTC, UT1-TAI) or length-of-day offset LOD**
  - **Celestial pole offsets (Dpsi, Deps)**

These time series are derived from the various astro-geodetic techniques (LLR, SLR, GPS, VLBI and DORIS).

- Archive EOP and make them avaible through FTP/WEB
- Analyse EOP and in particular monitor their consistencies with respect to the international terrestrial and celestial referene frames.
- Compute combined standard solution for EOP: **Bulletin B** (http://hpiers.obspm.fr/eop-pc/index.php?index=bulletins&lang=en) or **IERS C04 solution** (http://hpiers.obspm.fr/eop-pc/index.php?index=C04&lang=en) (daily since 1962), and **IERS C01 solution** (http://hpiers.obspm.fr/eop-pc/index.php?index=C01&lang=en) (0.05 year sampling since 1846)
- Compute and make available DUT1 (**Bulletin D (http://hpiers.obspm.fr/eop-pc/index.php?index=bulletins&lang=en)**) and leap second announcements (**Bulletin C (http://hpiers.obspm.fr/eop-pc/index.php?index=bulletins&lang=en)**).

Applications

- astrometry
- geophysics
- space geodesy
- orbit determination
- timing
- positioning

For users interested in the rapid and predicted EOP, refer to ***Bulletin A*** (http://maia.usno.navy.mil/products/eo-products) provided by the IERS Rapid Service/Prediction Center located at USNO.

Contact

Director
Dr. Christian Bizouard
(mailto:daniel.gambis(at)obspm.fr,christian.bizouard(at)obspm.fr)

IERS EOP PC
Observatoire de Paris
61, avenue de l'Observatoire
75014 Paris/ FRANCE

Tel 00 33 (0)1 40 51 23 35

Staff

- **Dr. Christian Bizouard**
  Astronomer
  Director of the EOP PC
- **Olivier Becker**
  Technician
  WEB master, C04 solution, operational service
- **Dr. Sébastien Lambert**
  Astronomer
  Numerical analysis
- **Jean-Yves Richard**
  Engineer, retired
  Multitechnique Combination "GINS Dynamo"
- **Dr. Daniel Gambis**
  Astronomer, retired
  Scientific adviser
- **Teddy Carlucci**
  Engineer
  Computer manager

Our graphics or plots are designed thanks to php package JPGRAPH