

# C04 series update in the current ITRF

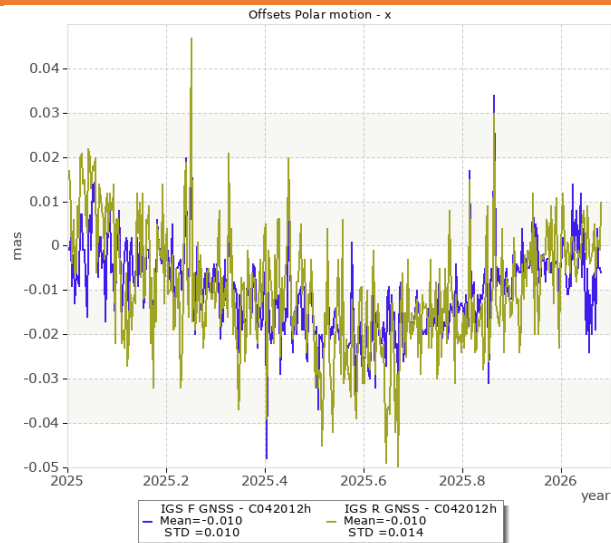
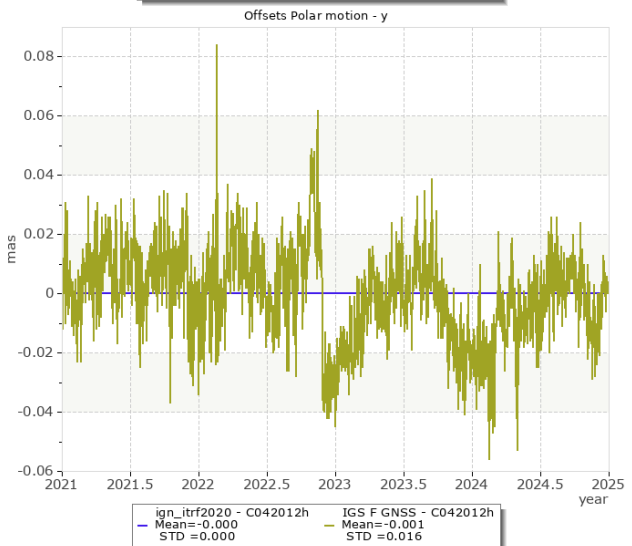
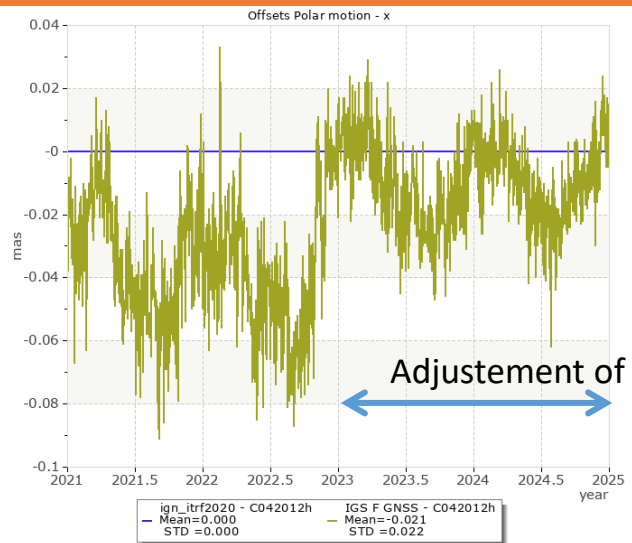
Christian Bizouard, Paris Observatory, IERS Earth Orientation  
Center

Unified Analysis Workshop, 2026, Friday 6 - Munich

# Alignment of C04 relative with the current ITRF

- C04 pole coordinates result from the weighted mean of
  - IGS combined series (rapid / final)
  - IVS combined (rapid / quarterly)
  - ILRS combined series
- Consistency with respect ITRF is insured by removing from IGS, IVS and ILRS possible systematic terms (bias and annual term) adjusted with respect to extended ITRF series now ITRF2020-u2024 over the interval 2023-2025
- The systematic are held as valid beyond the last date of the ITRF2020 extended series, and removed accordingly

# Extended ITRF and IGS wrs C04 2020 update : 2021-2025 + 2025-current week



# Alignment of C04 relative with the current ITRF

- On February 5, 2026, C04 pole coordinates and their rates were replaced by those of the ITRF2020-u2024 over the period [1/1/2021 - 1/1/2025]
- UT1, dX, dY were also updated 1/1/2021 and aligned relative an ICRF3 consistent solution, namely the last **IVS quarterly solution**
- Former C04 version archived in repository [https://hpiers.obspm.fr/iers/eop/eopc04\\_20\\_v3](https://hpiers.obspm.fr/iers/eop/eopc04_20_v3)

# IVS Final (quarterly) — C04 20 12h : UT1

