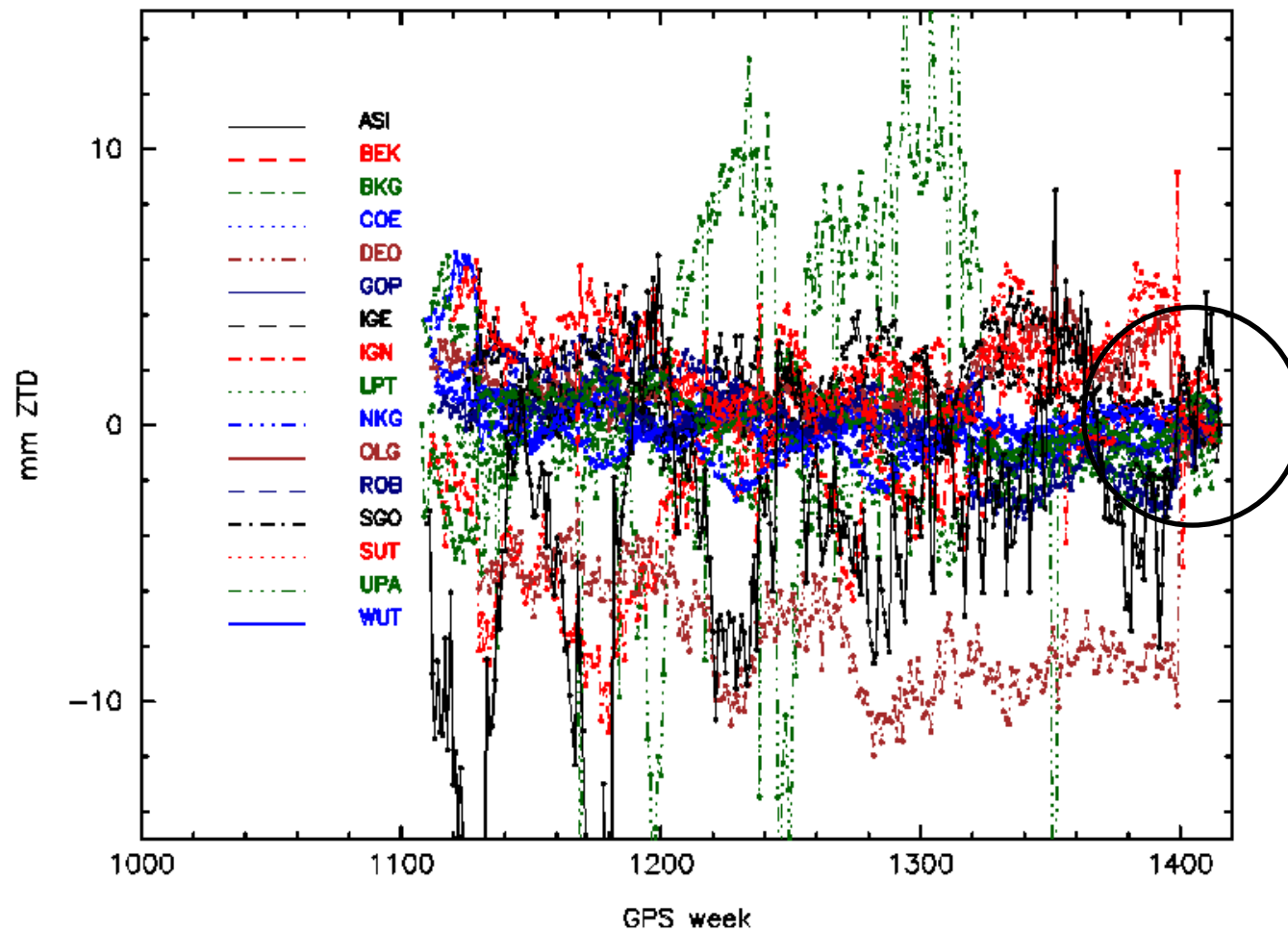
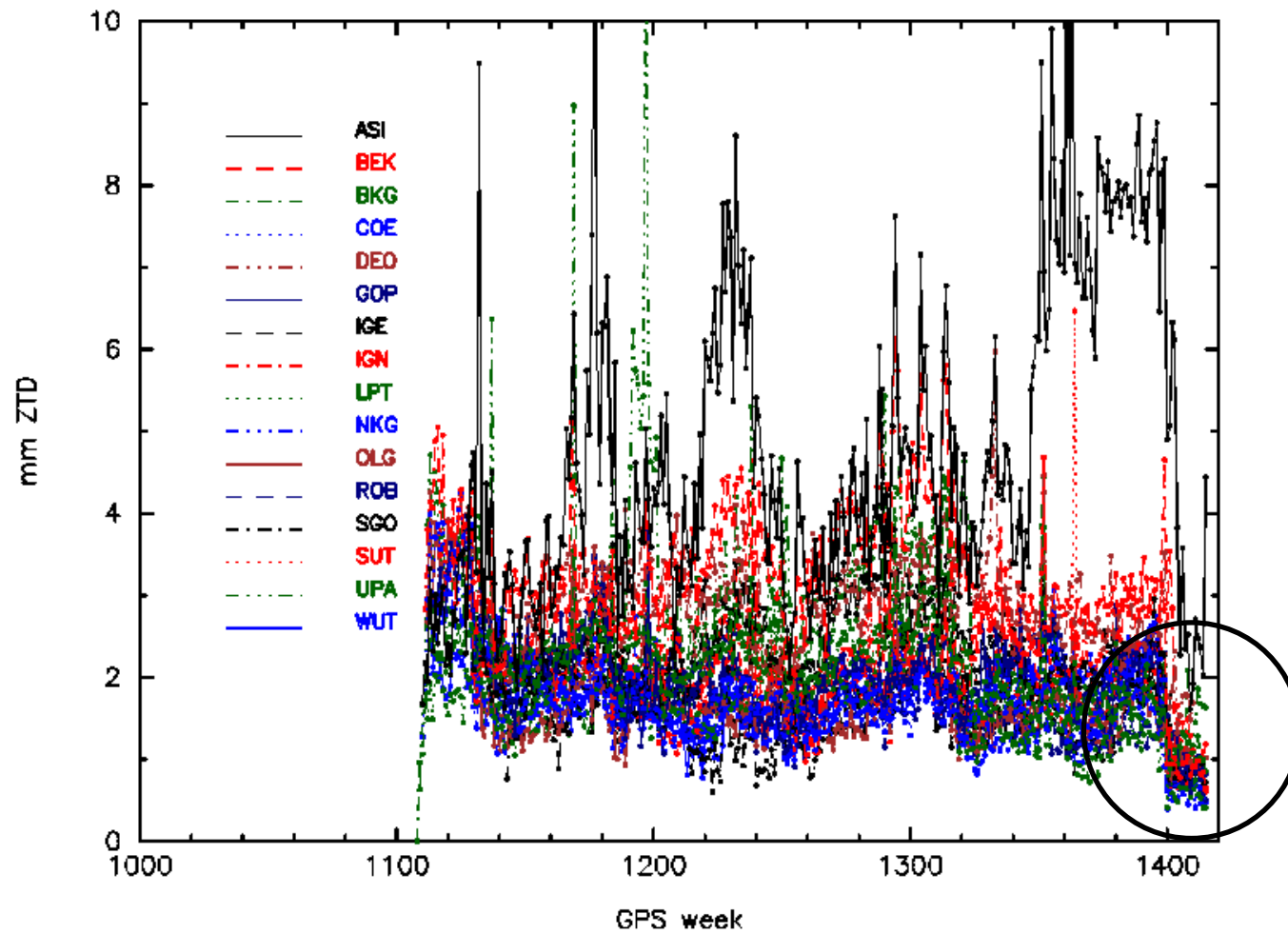


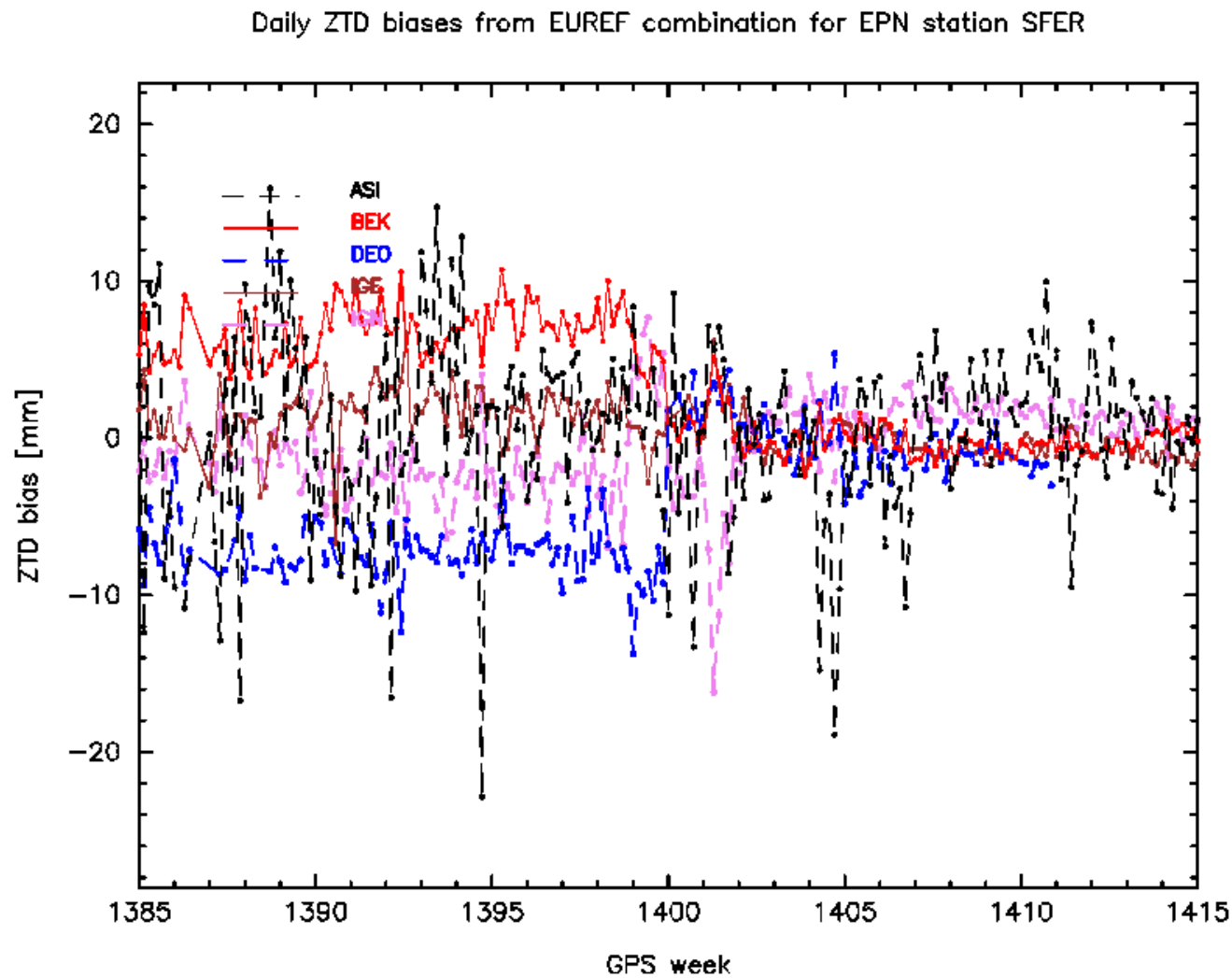
## Weekly mean biases of LACs



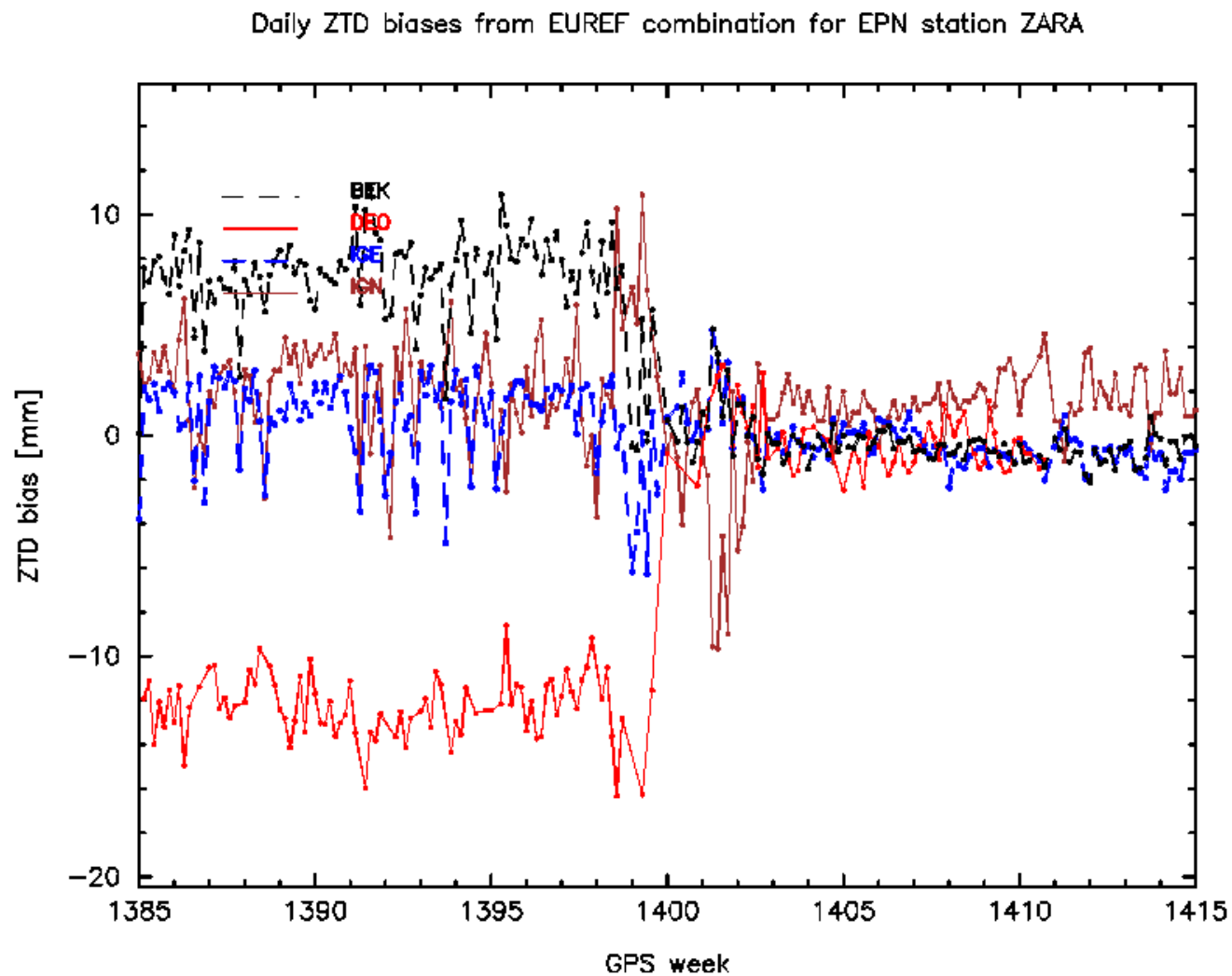
## rms of weekly mean biases



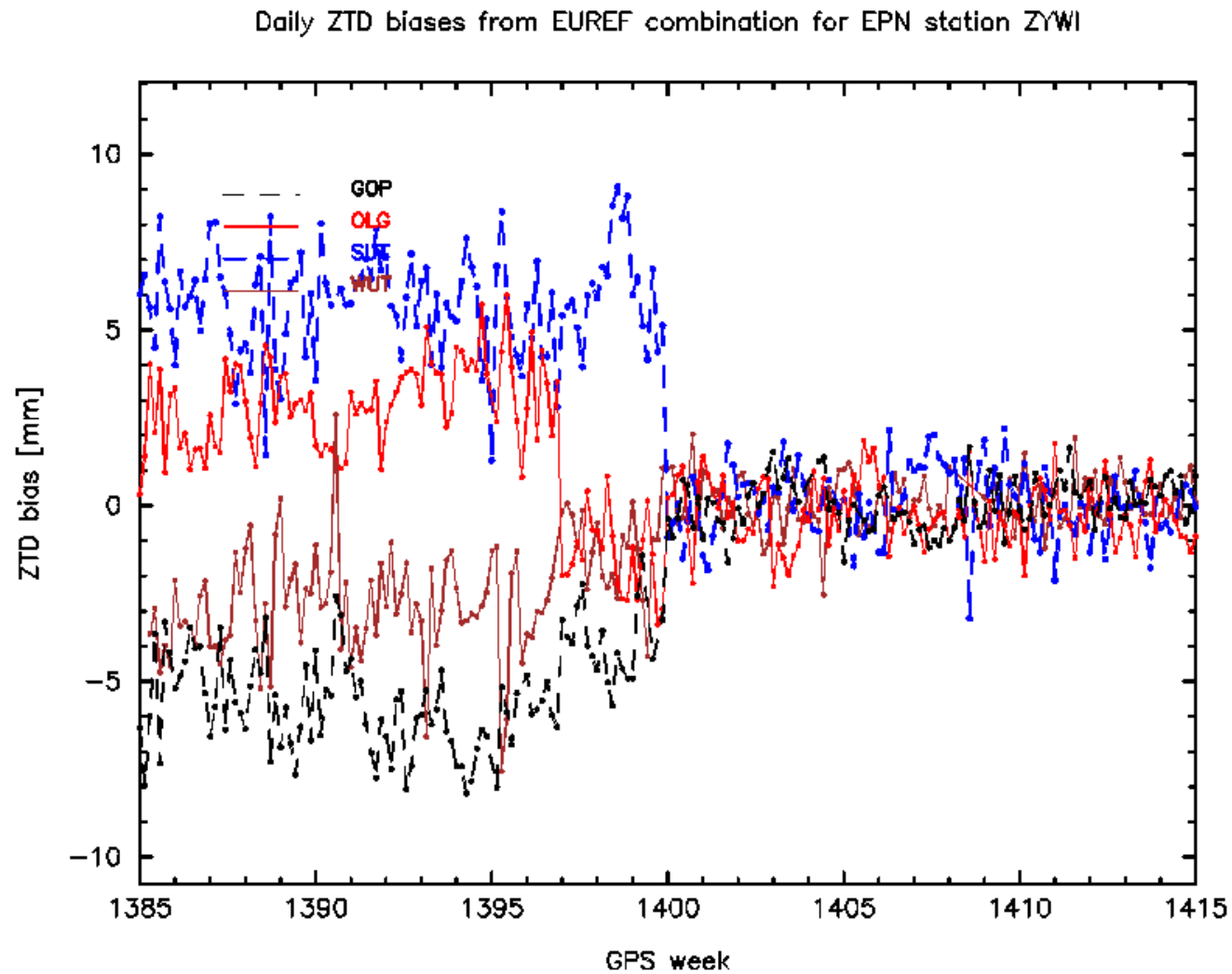
## Daily mean biases for SFER



## Daily mean biases for ZARA



## Daily mean biases for ZYWI



# Poster presentation at the symposium



Bundesamt für  
Kartographie und Geodäsie

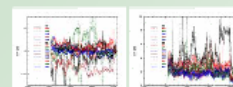
## Status Report of the Special Project „Troposphere Parameter Estimation“

Wolfgang Söhne

Federal Agency for Cartography and Geodesy, Richard-Strasse-Allee 11, 60598 Frankfurt/Main, Germany, +49-69-6533-263, wolfgang.sohne@bkg.bund.de

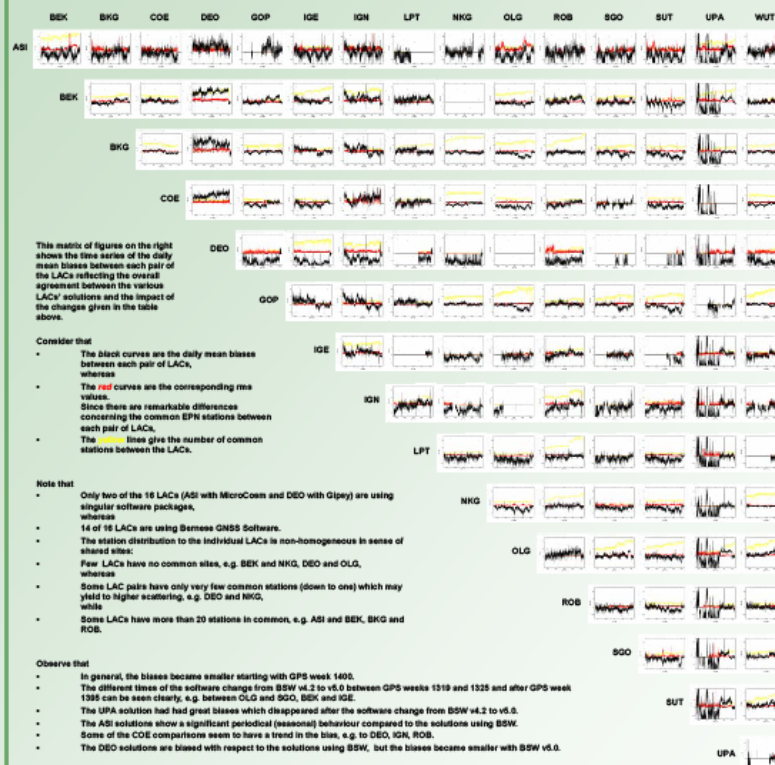


In June 2001 (GPS week 1108) the first EPN Local Analysis Centres (LACs) started delivering the estimated Zenith Total Delay (ZTD) parameters to the BKG data centre, in daily SINEX files. Since GPS week 1185 (September 2002) all 16 LACs are contributing. A number of changes has been introduced since then (see table on the right), also influencing the ZTD parameters. The two figures on the right show the weekly biases for the 16 LACs as a mean over all stations and the corresponding standard deviation. Especially in the latter figure improvements can be identified, notably after GPS week 1329 and in particular following GPS week 1400.

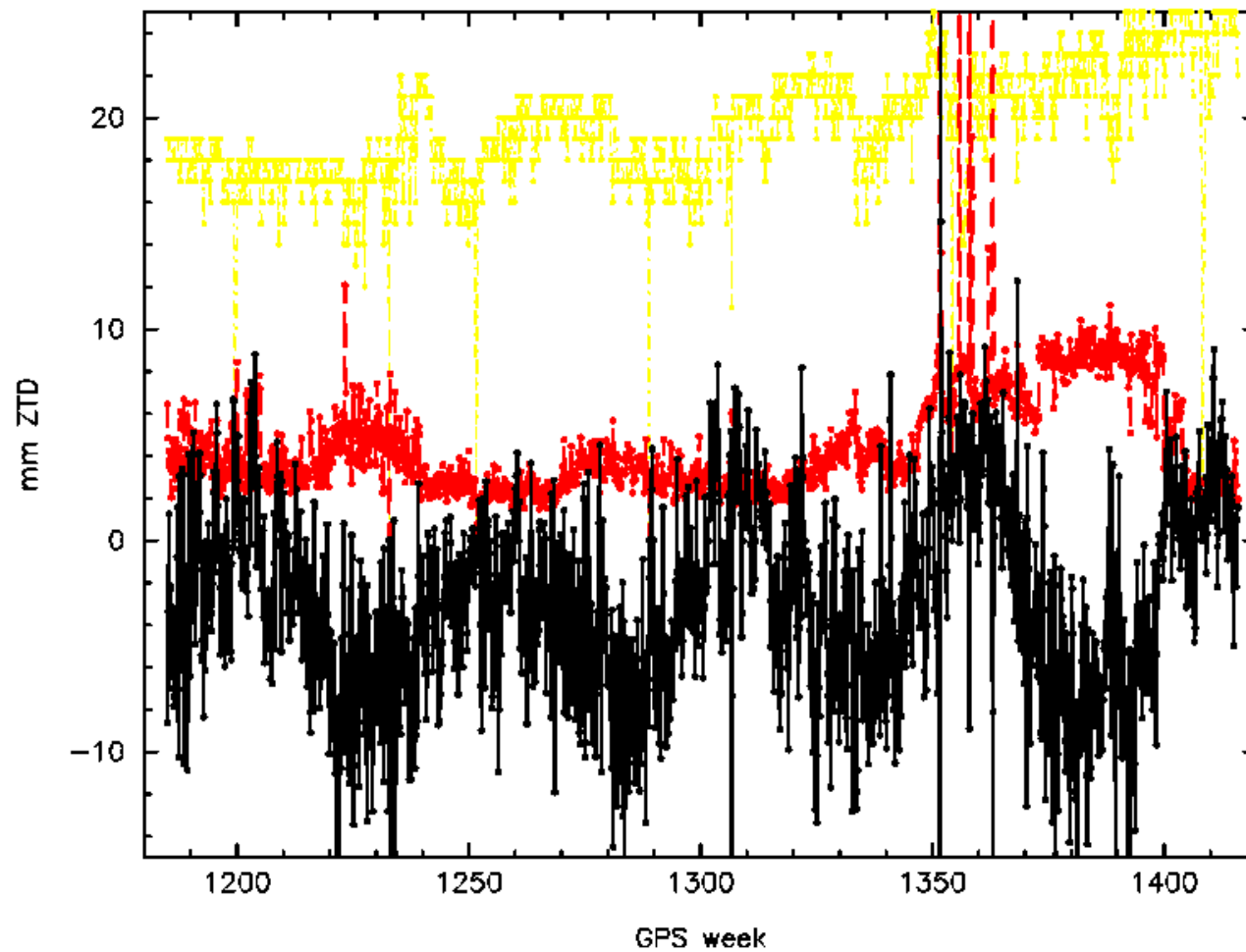


Weekly mean biases (left figure) and standard deviations of weekly mean biases as a result of EPN Troposphere parameter estimation. Table on the right shows the chronology of the EPN Troposphere Parameter Estimation since its start in June 2001.

Chronology of the EPN Troposphere Parameter Estimation
GPS week 1108: First EPN LACs start delivering ZTD parameters to BKG.
GPS week 1185: All 16 LACs start contributing.
GPS week 1329: Software change from BSW v4.2 to v5.0.
GPS week 1400: Software change from BSW v5.0 to v5.1.
GPS week 1400: Software change from BSW v5.1 to v5.2.
GPS week 1400: Software change from BSW v5.2 to v5.3.
GPS week 1400: Software change from BSW v5.3 to v5.4.
GPS week 1400: Software change from BSW v5.4 to v5.5.
GPS week 1400: Software change from BSW v5.5 to v5.6.
GPS week 1400: Software change from BSW v5.6 to v5.7.
GPS week 1400: Software change from BSW v5.7 to v5.8.
GPS week 1400: Software change from BSW v5.8 to v5.9.
GPS week 1400: Software change from BSW v5.9 to v6.0.



**Daily mean biases between ASI and BEK (black),  
rms (red) and number of common stations (yellow)**



## Daily mean biases between SUT and WUT (black), rms (red) and number of common stations (yellow)

