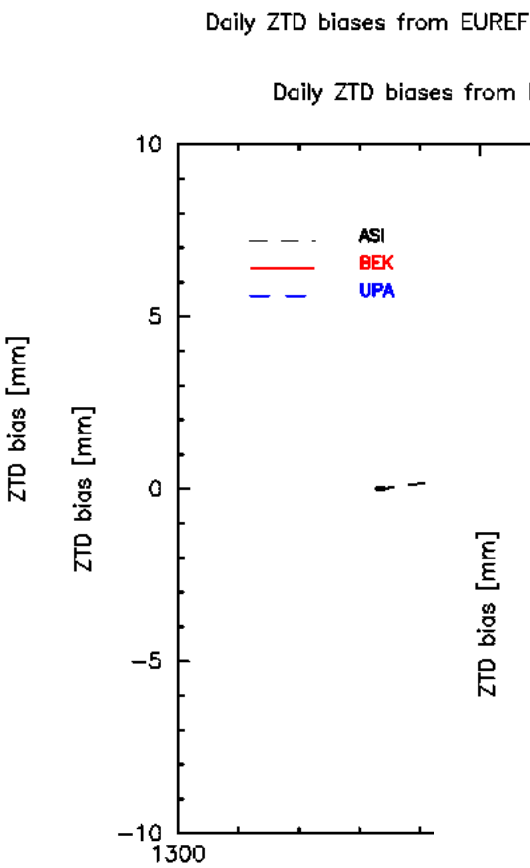
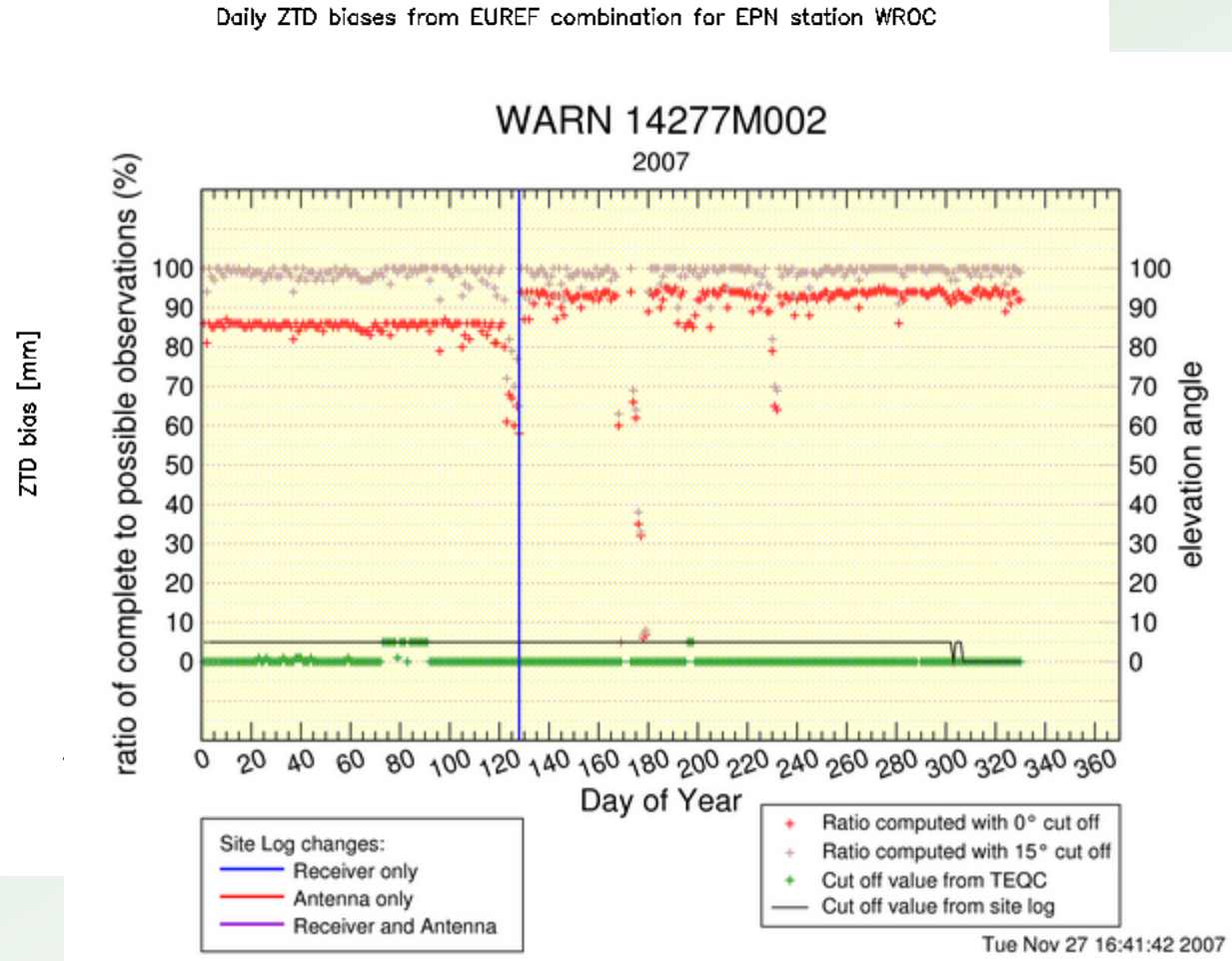
Bundesamt für Kartographie und Geodäsie

Troposphere Special Project

last months





- **Topcon E**

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Troposphere Special Project

Chronology of the project:

- GPS week 1108: first solutions
- GPS week 1110: Contribution of 4 LACs: ASI, BKG, COE, UPA
- GPS week 1111: Contribution of IGN and LPT
- GPS week 1112: Contribution of OLG
- GPS week 1113: Contribution of WUT
- GPS week 1114: Contribution of NKG
- GPS week 1115: Contribution of GOP
- GPS week 1120: Contribution of BEK
- GPS week 1126: Contribution of IGE
- GPS week 1130: New EUREF processing options
  Contribution of DEO and ROB
- GPS week 1143: Switch to new reference frame ITRF 2000
  Contribution of SGO
- GPS week 1143: COE using Wet Niell, switching to (unofficial) 5.0
- GPS week 1185: Contribution of SUT as 16th LAC

Troposphere Special Project

Chronology of the project (cont'd):

- GPS week 1203: Contribution of EPN troposphere solution to IGS combination of ZTD
- GPS week 1307: GFZ stops EPN combination (IGS troposphere combination is changing from GFZ to JPL)
- GPS week 1317: LPT switching to 5.0, Wet Niell (EUREF mail 2360)
- GPS week 1318: WUT switching to 5.0, Wet Niell (EUREF mail 2363)
- GPS week 1319: BKG switching to 5.0, Wet Niell (EPN LAC mail 490)
- GPS week 1320: GOP switching to 5.0, Wet Niell (EPN LAC mail 508)
- GPS week 1321: NKG switching to 5.0, Wet Niell (EPN LAC mail 505)
- GPS week 1324: UPA switching to 5.0, Wet Niell
- GPS week 1325: ROB switching to 5.0, Wet Niell
- GPS week 1335: New interpolation procedure for ASI solution (EPN rapid troposphere combination only)
- GPS week 1346: "Small" outliers rejection improved
- GPS week 1364: IGE switching to 5.0, Wet Niell (EPN LAC mail 623)

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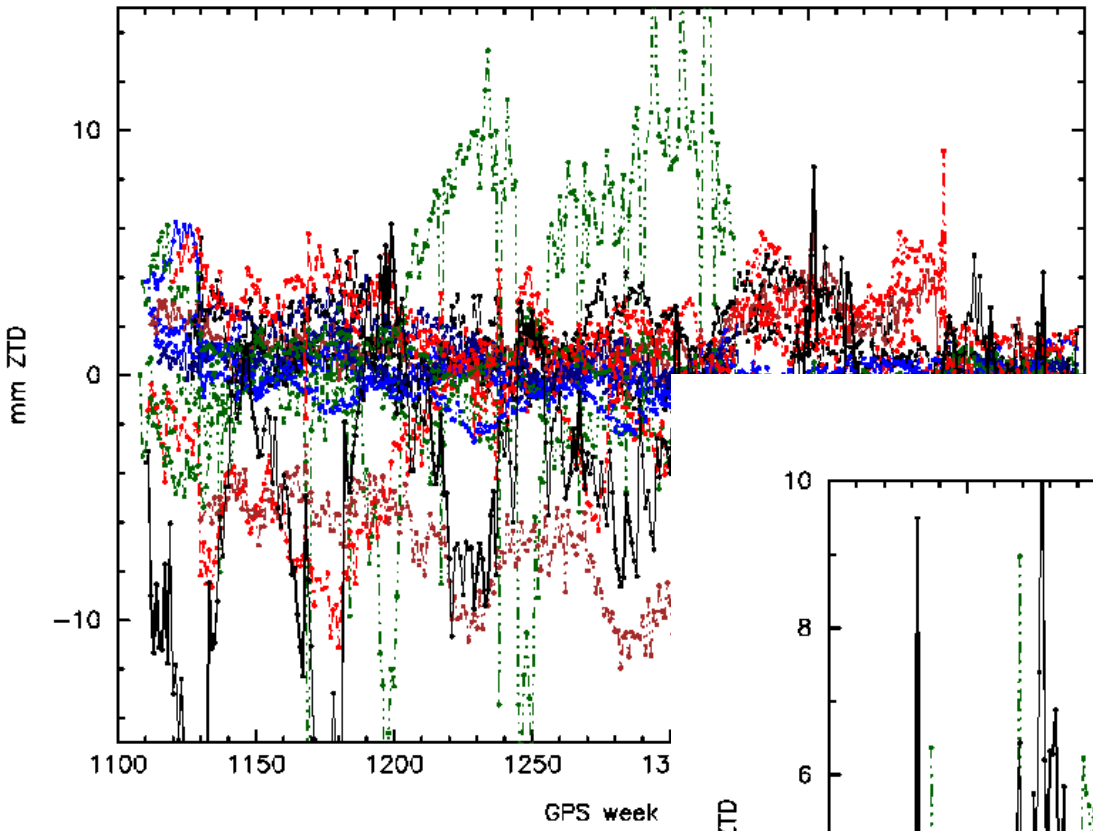
Chronology of the project (cont'd):

- GPS week 1374: ASI switching from Microcosm 2003.0 to 2005.0
- GPS week 1381: SGO switching to 5.0, Wet Niell
- GPS week 1397: OLG switching to 5.0, Wet Niell
- GPS week 1400: BEK switching to 5.0, Wet Niell
  IGN switching to 5.0, Wet Niell
  SUT switching to 5.0, Wet Niell
- GPS week 1400: IGS and EUREF changing to APCV, take into consideration radome codes, IGS05
  EPN introducing horizontal tropospheric gradients
  COE using GMF
  GFZ stops "classical" IGS combination (IGS mail 5505)

Project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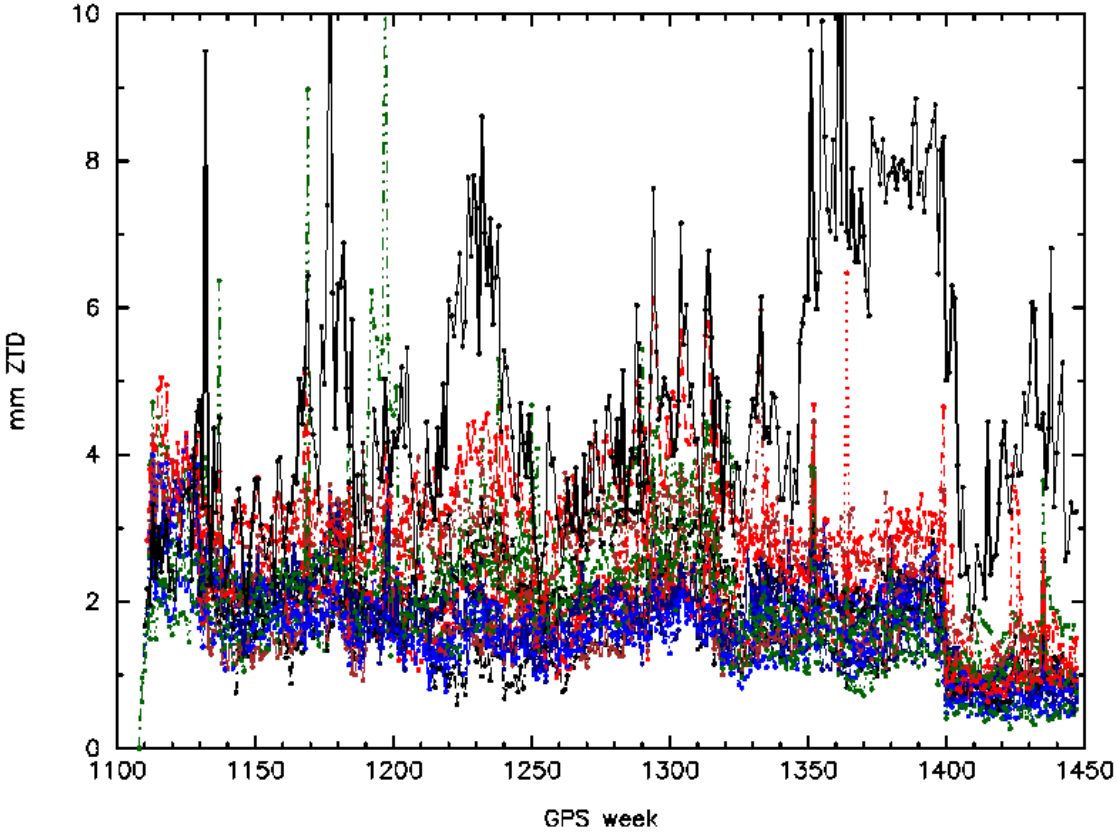
GPS week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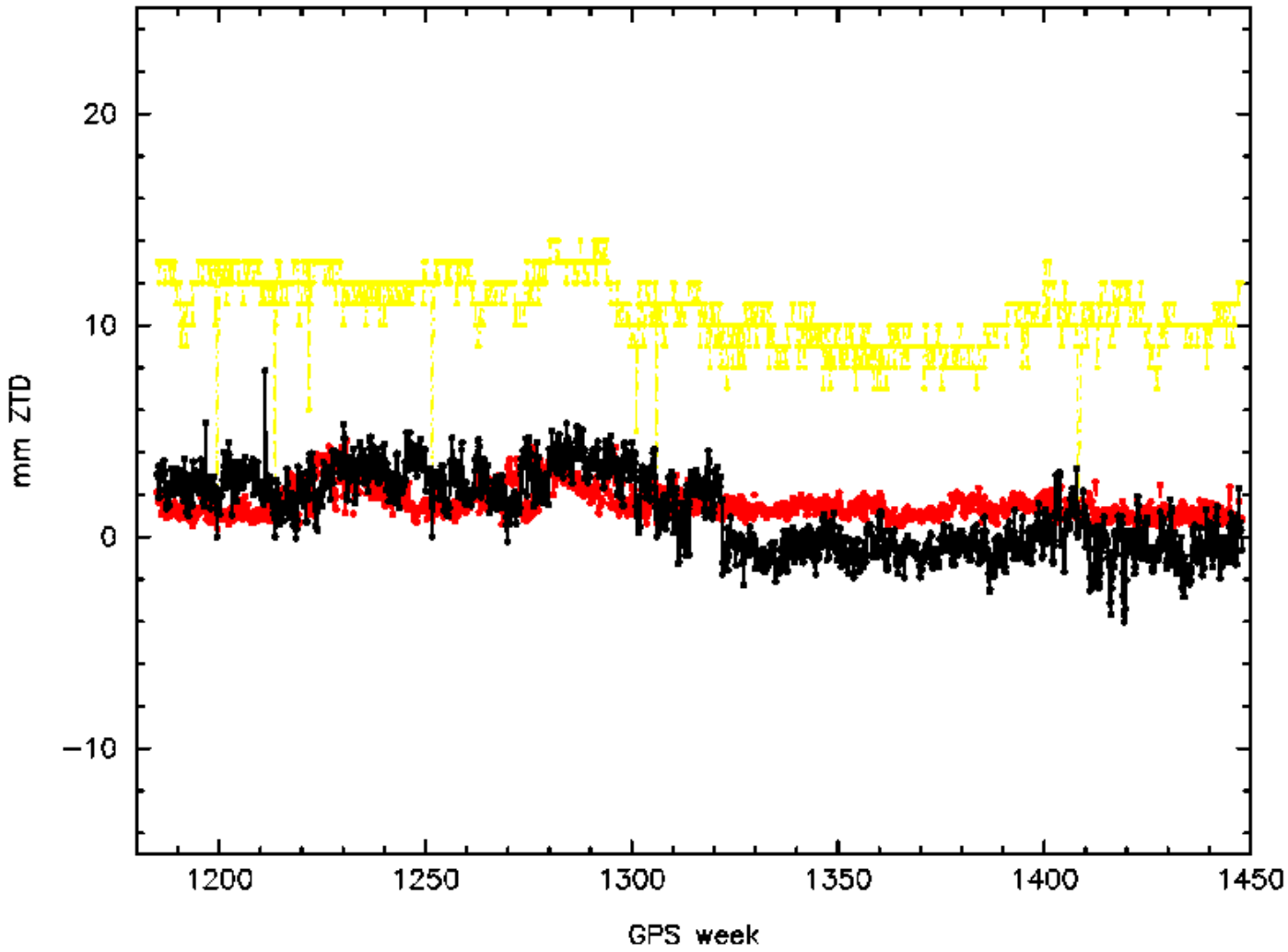
Troposphere Special Project

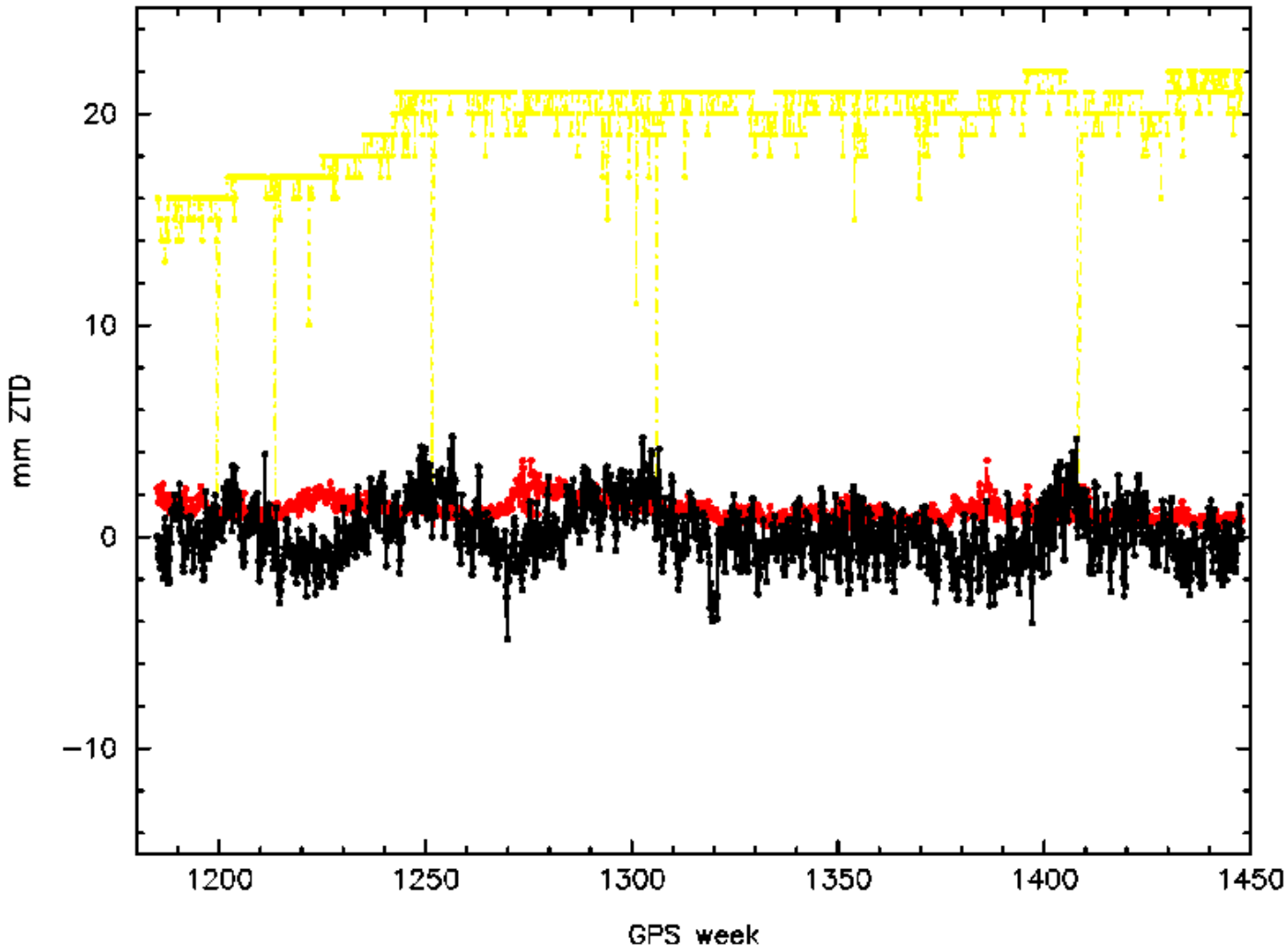
Daily mean bias between BKG and COE



black: daily mean bias, red: standard deviation of the bias, yellow: number of common sites

Troposphere Special Project

Daily mean bias between BKG and NKG



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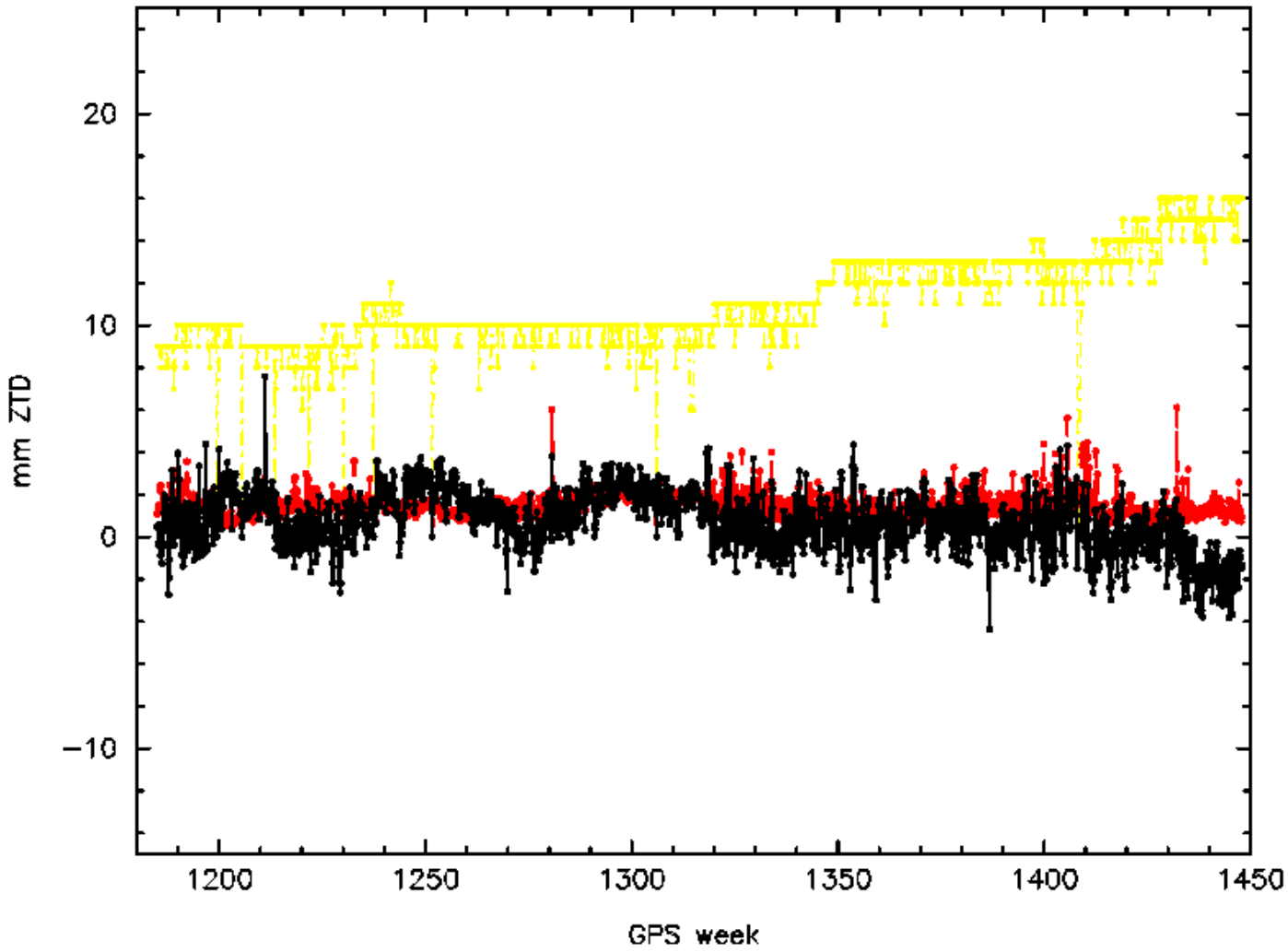
Troposphere Special Project

Daily mean bias between BKG and WUT



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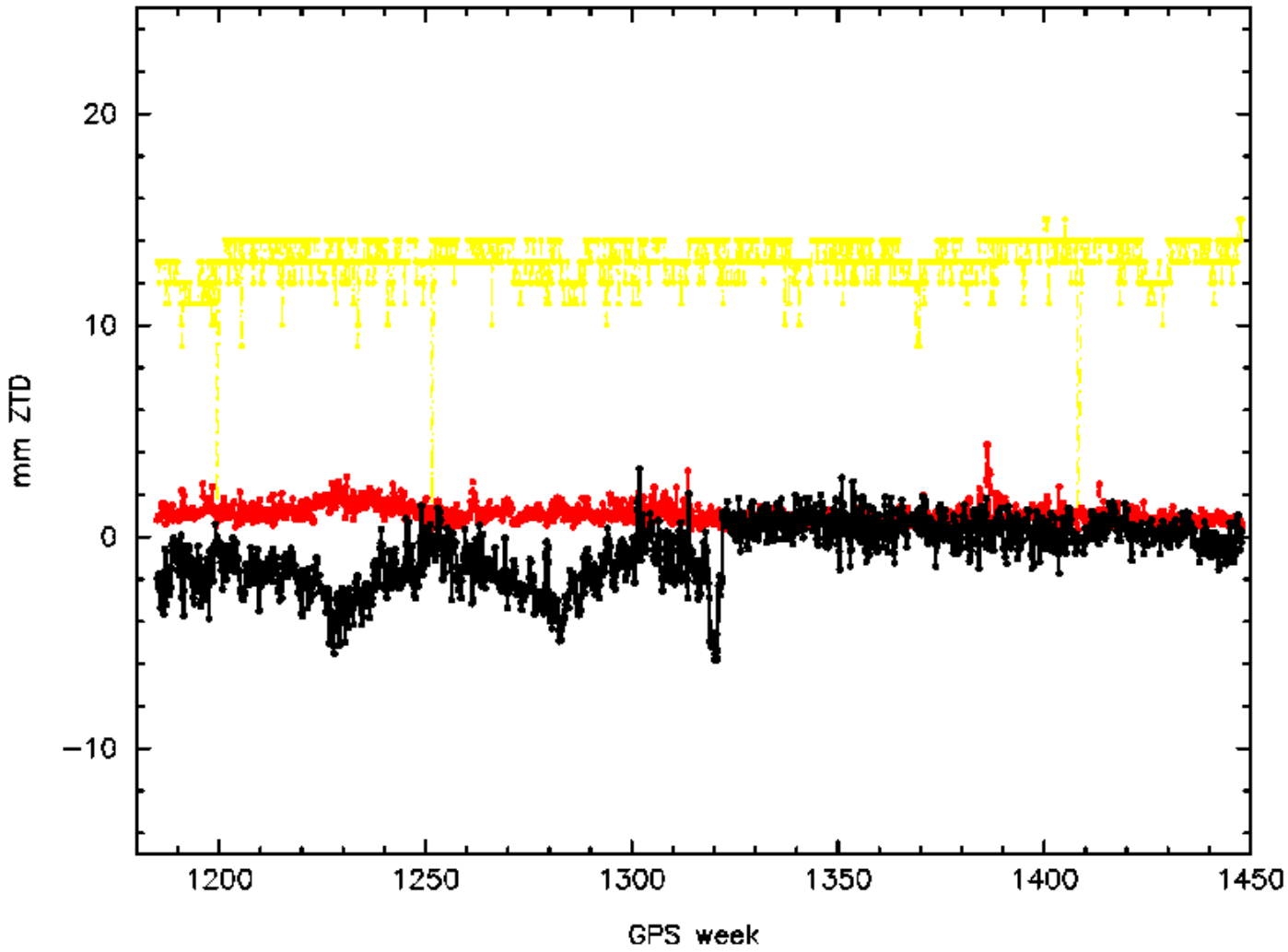
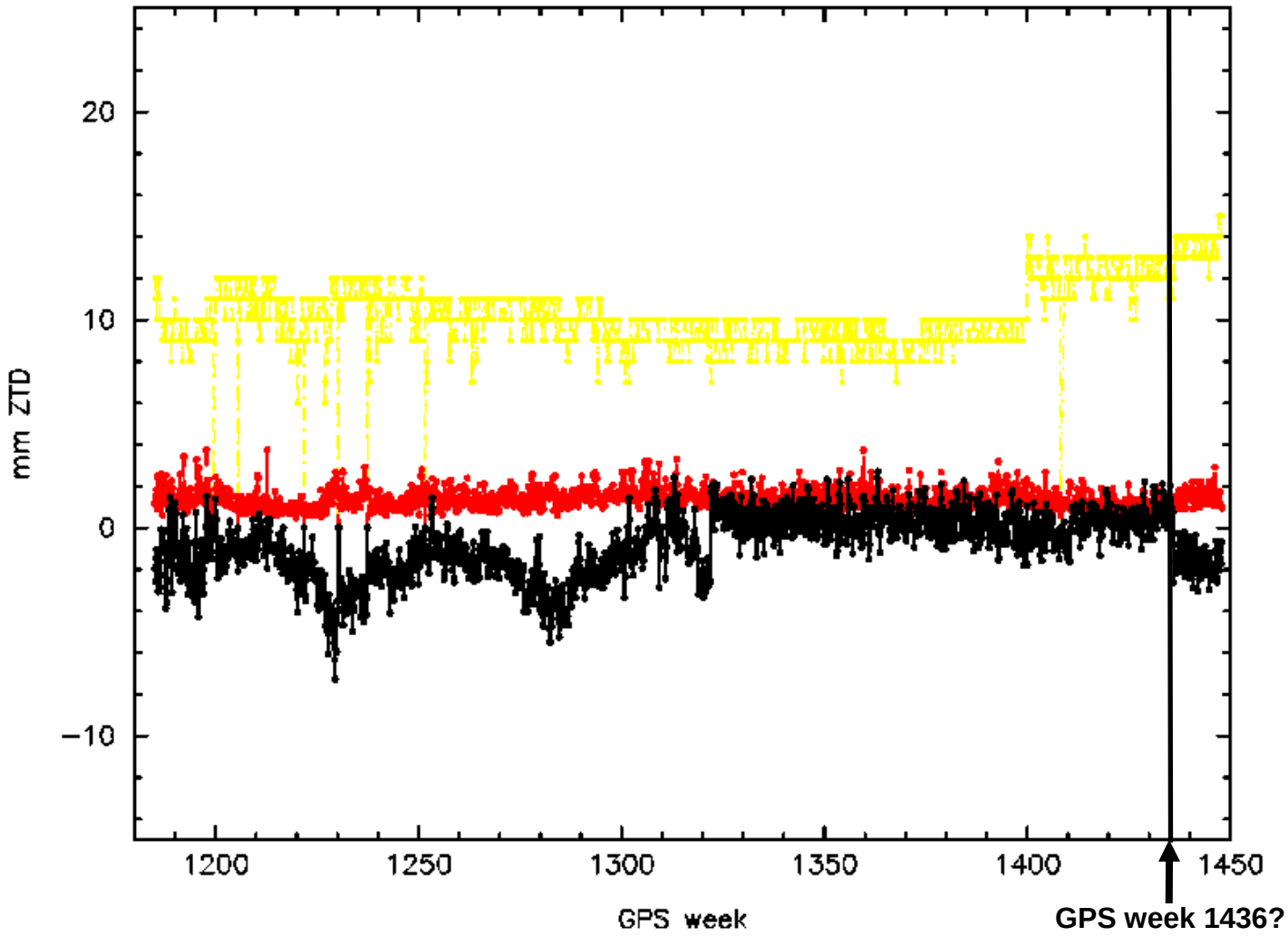
Troposphere Special Project

Daily mean bias between COE and NKG

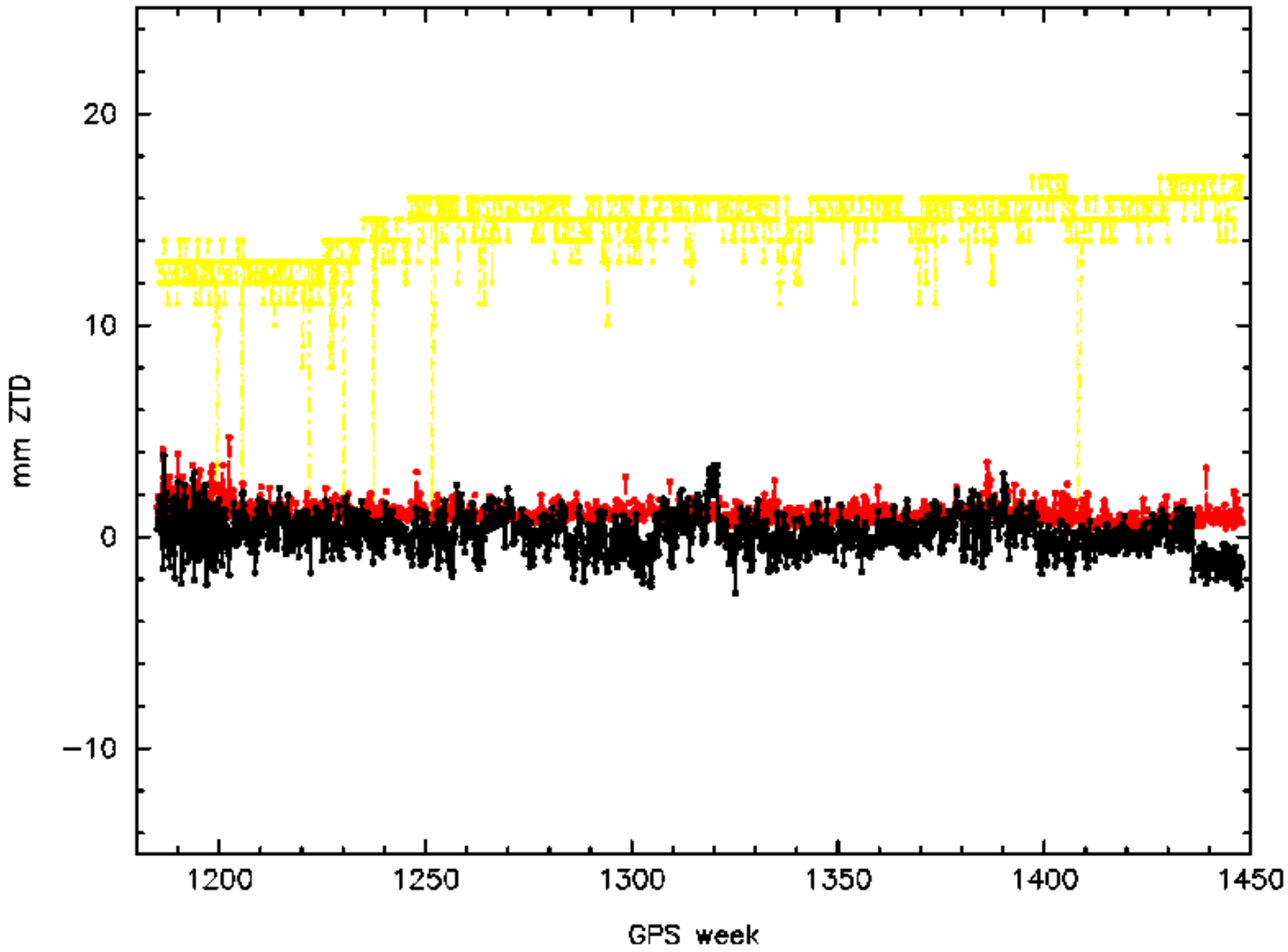


Troposphere Special Project

Daily mean bias between COE and WUT



Daily mean bias between NKG and WUT



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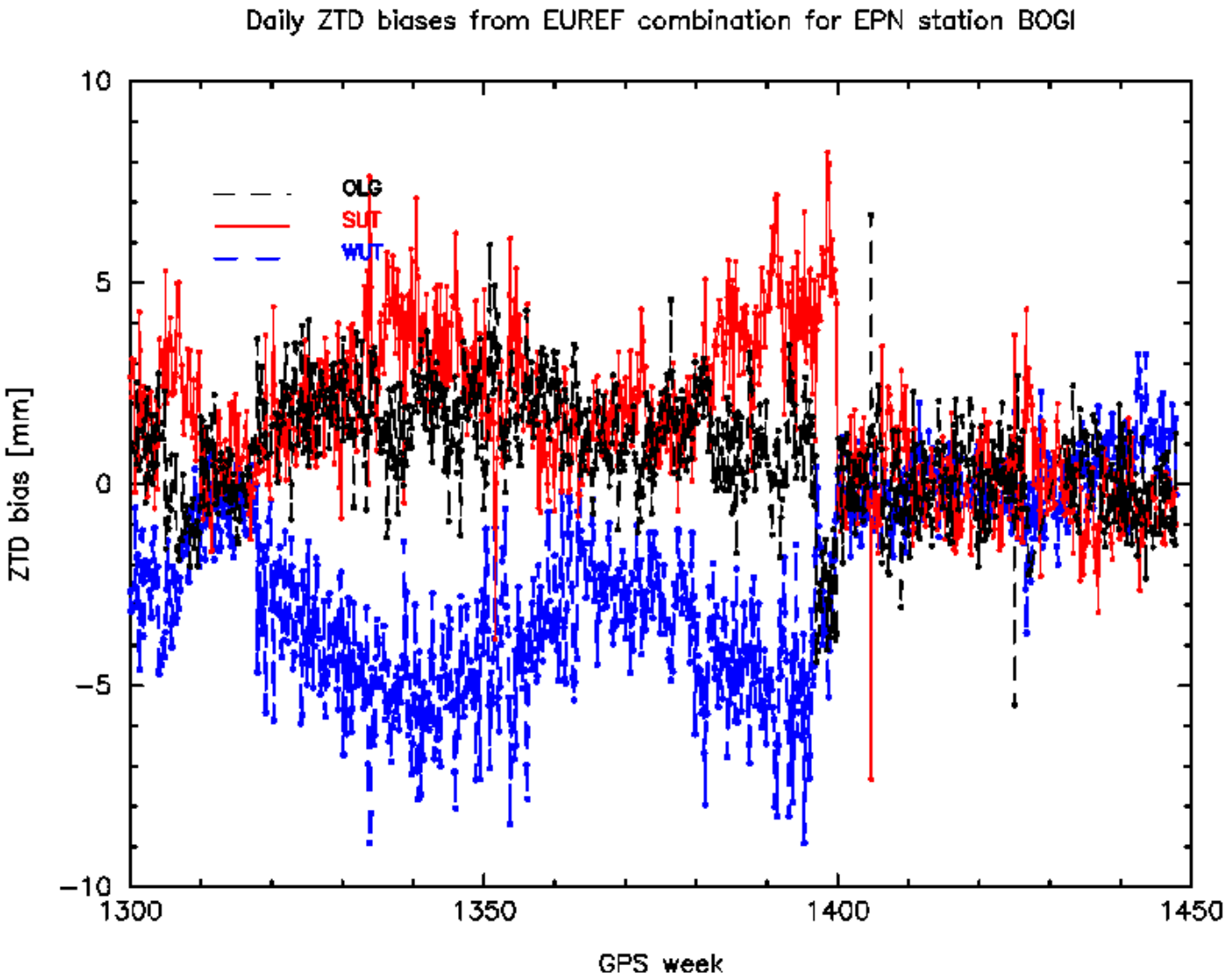

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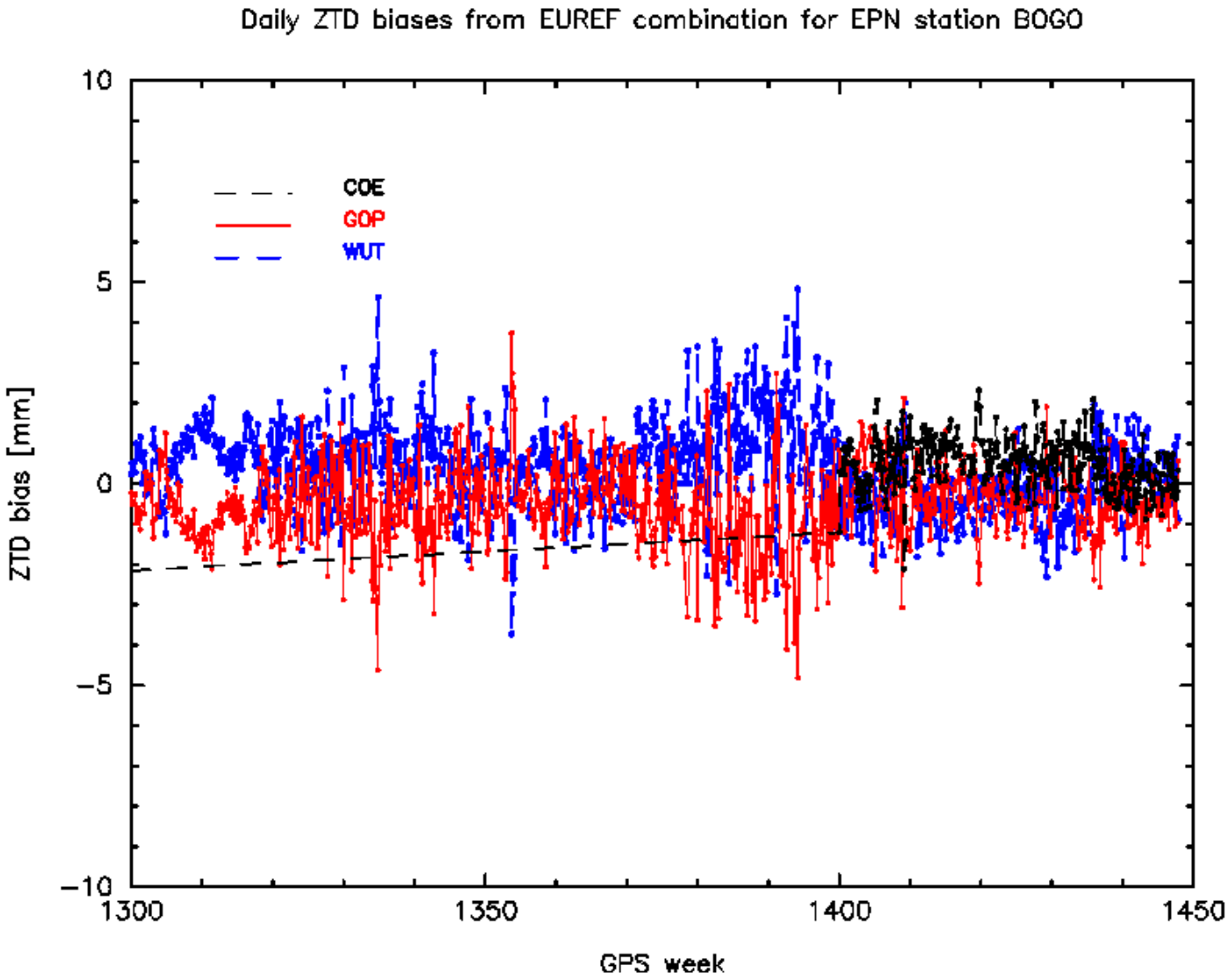

"Report of the EPN Troposphere Special Project"

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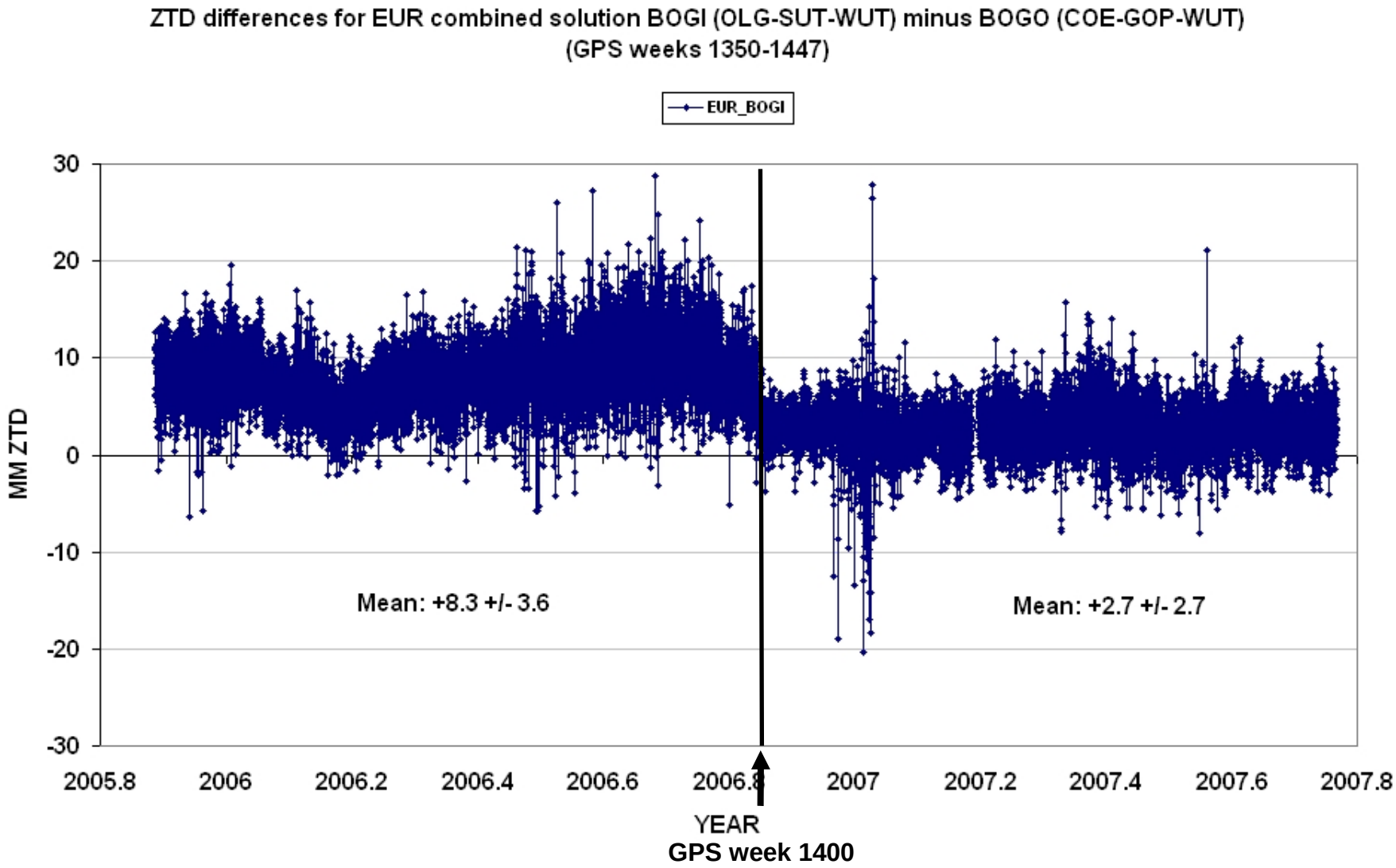
Troposphere Special Project



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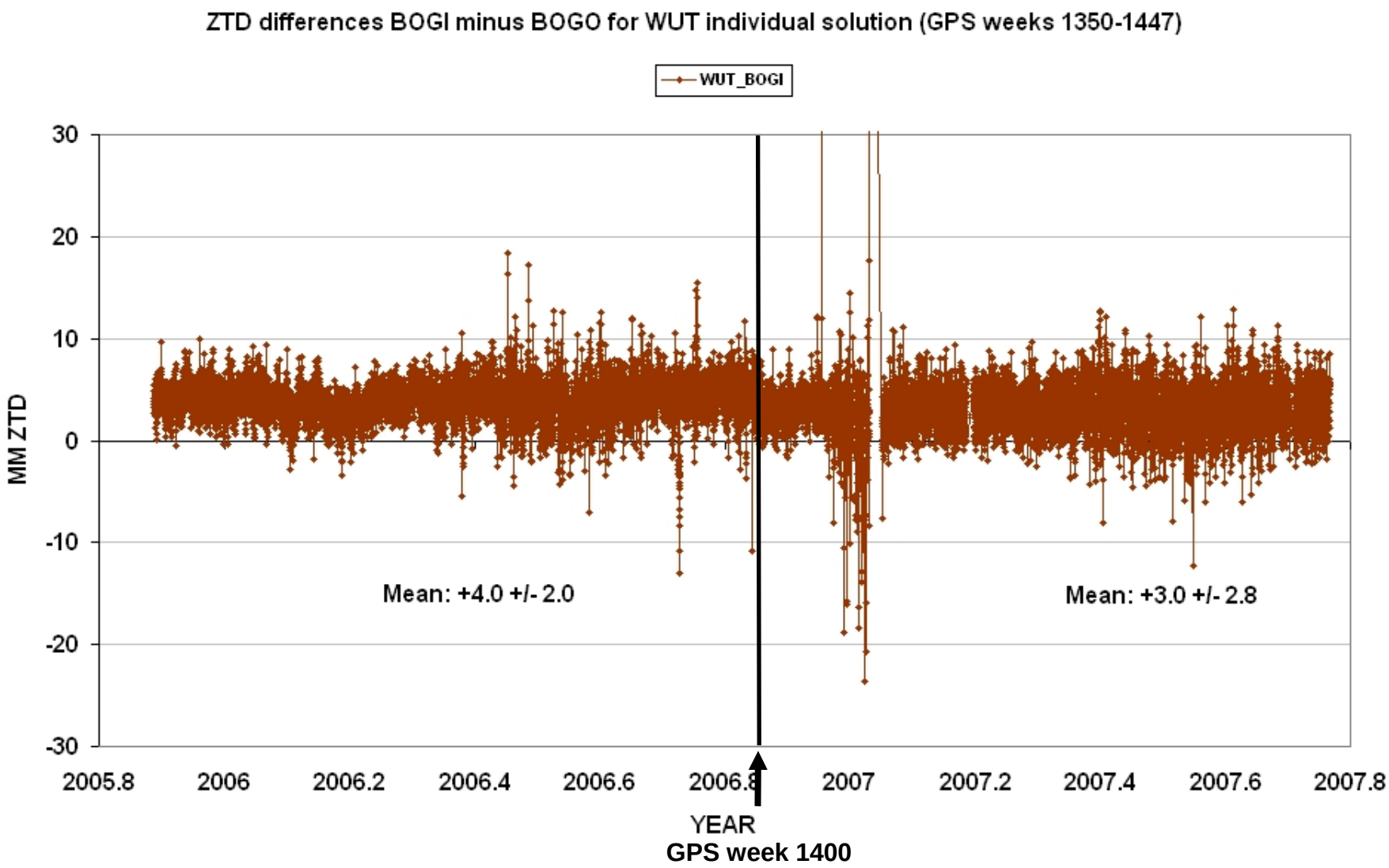

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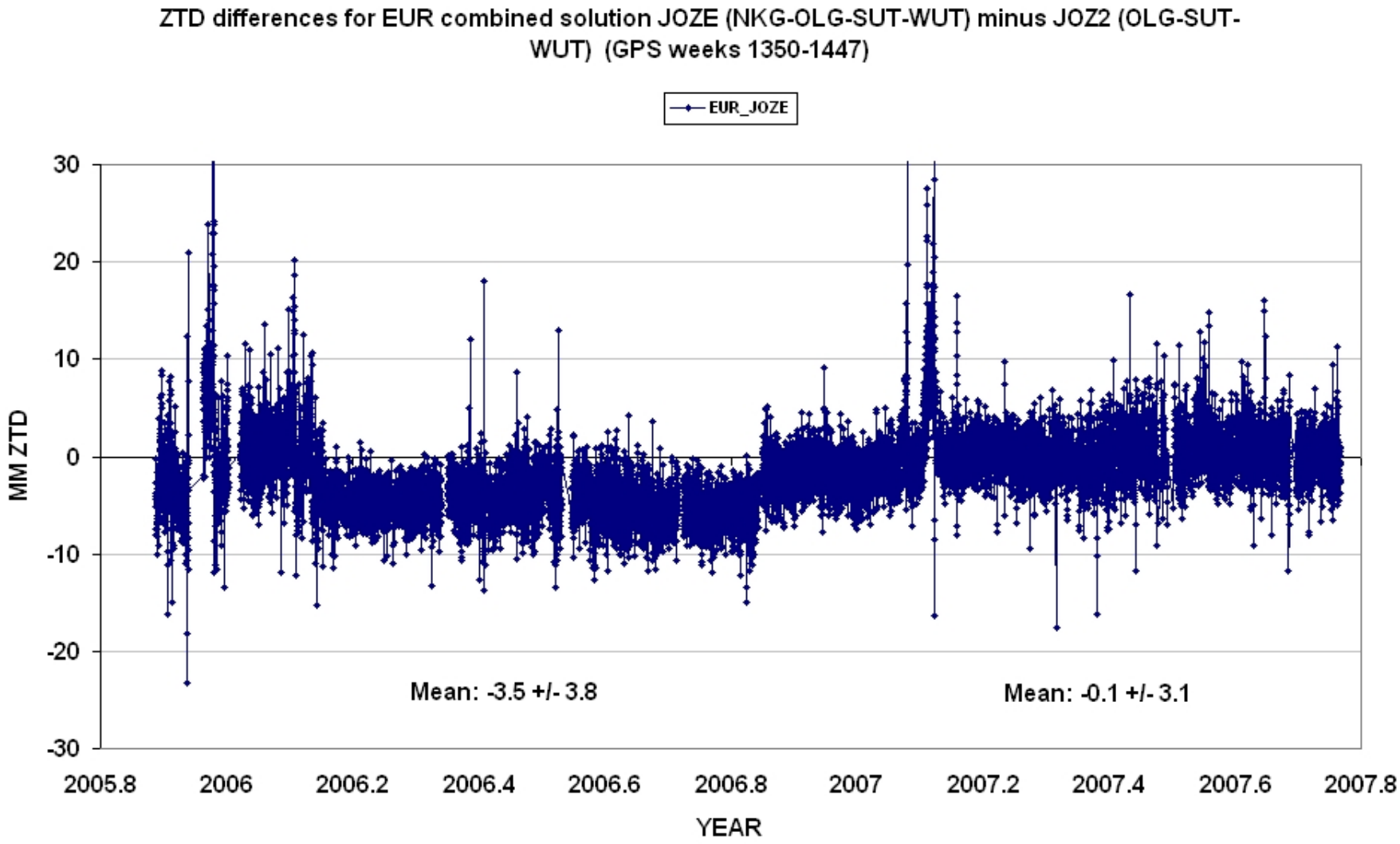

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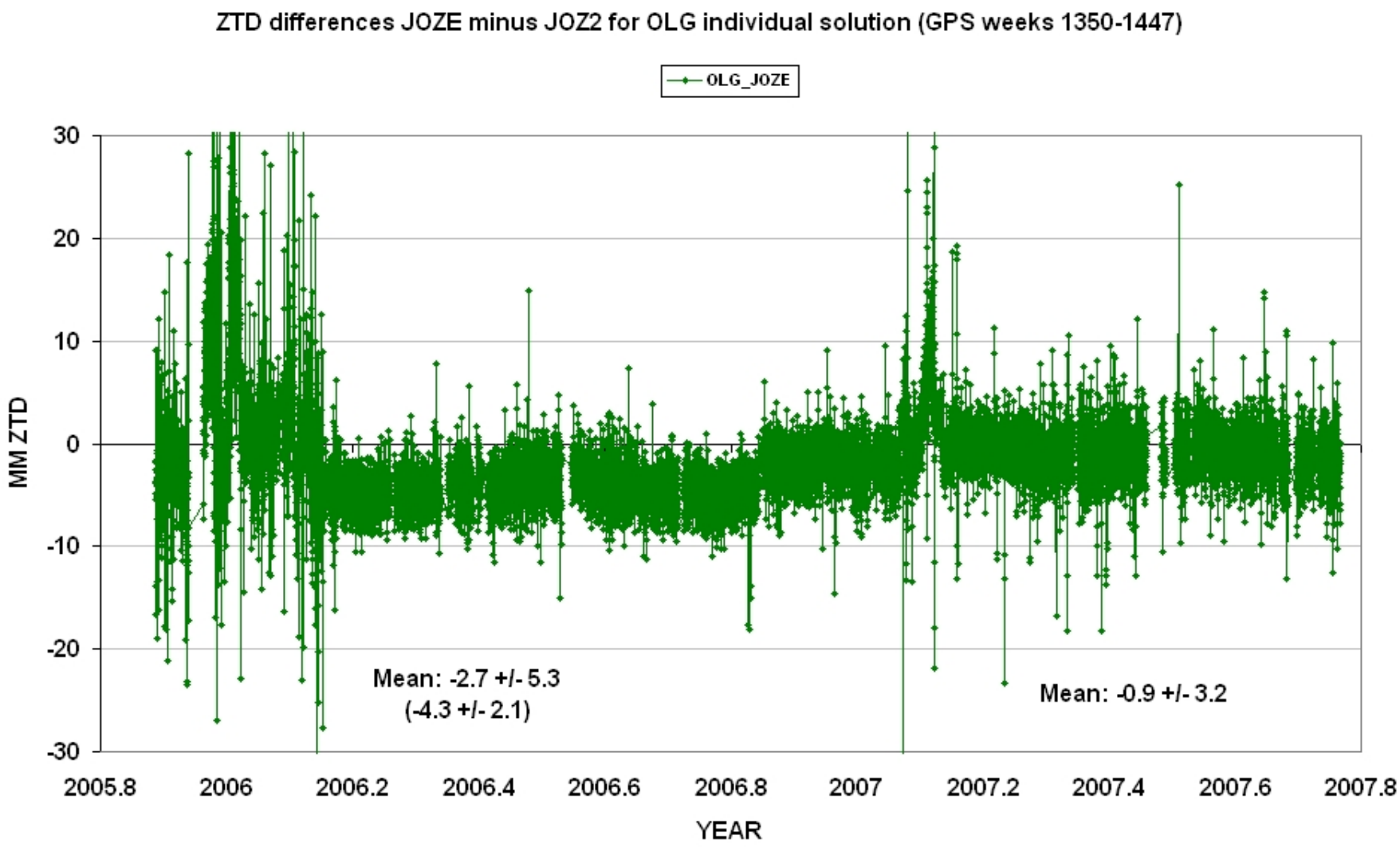

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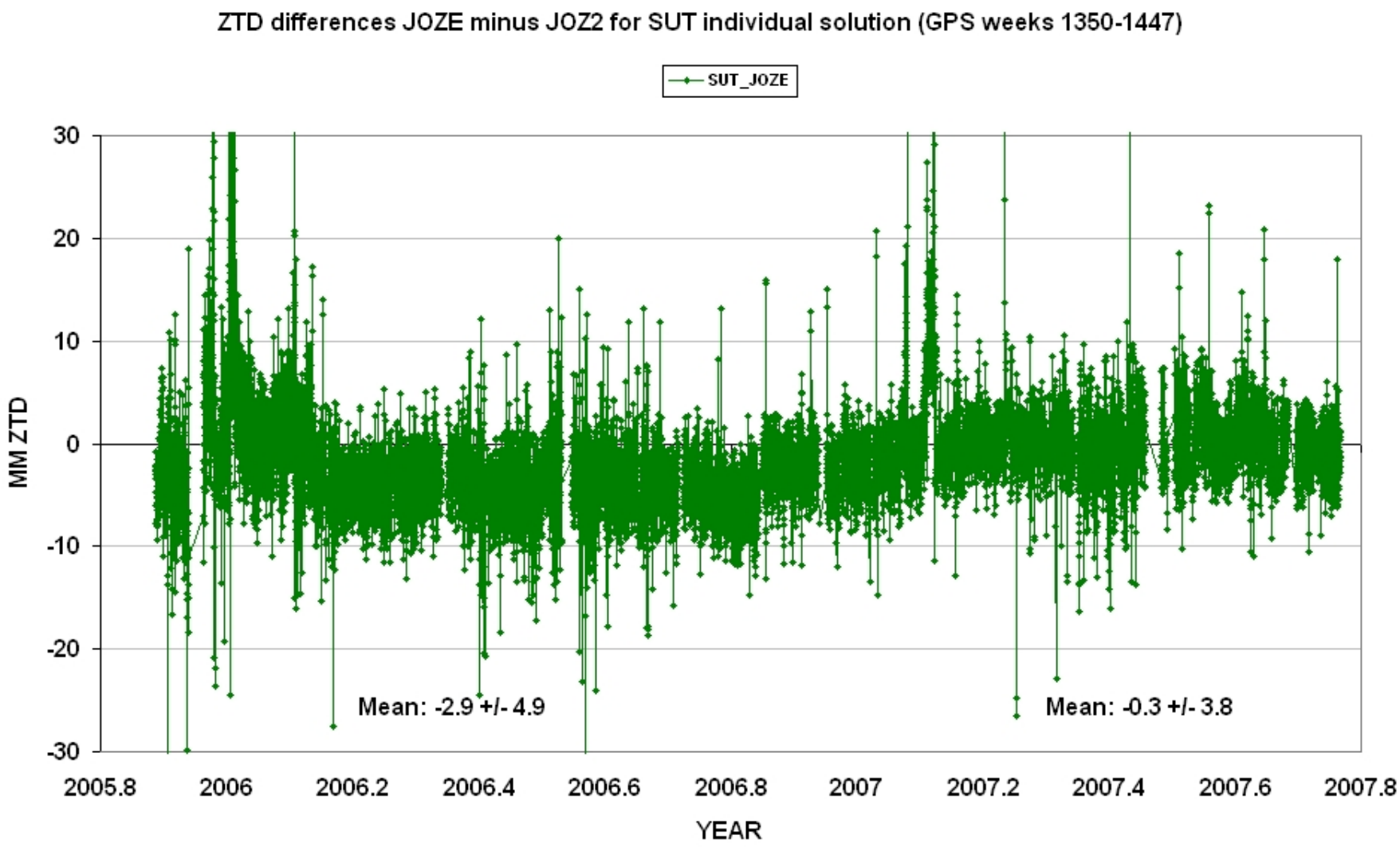

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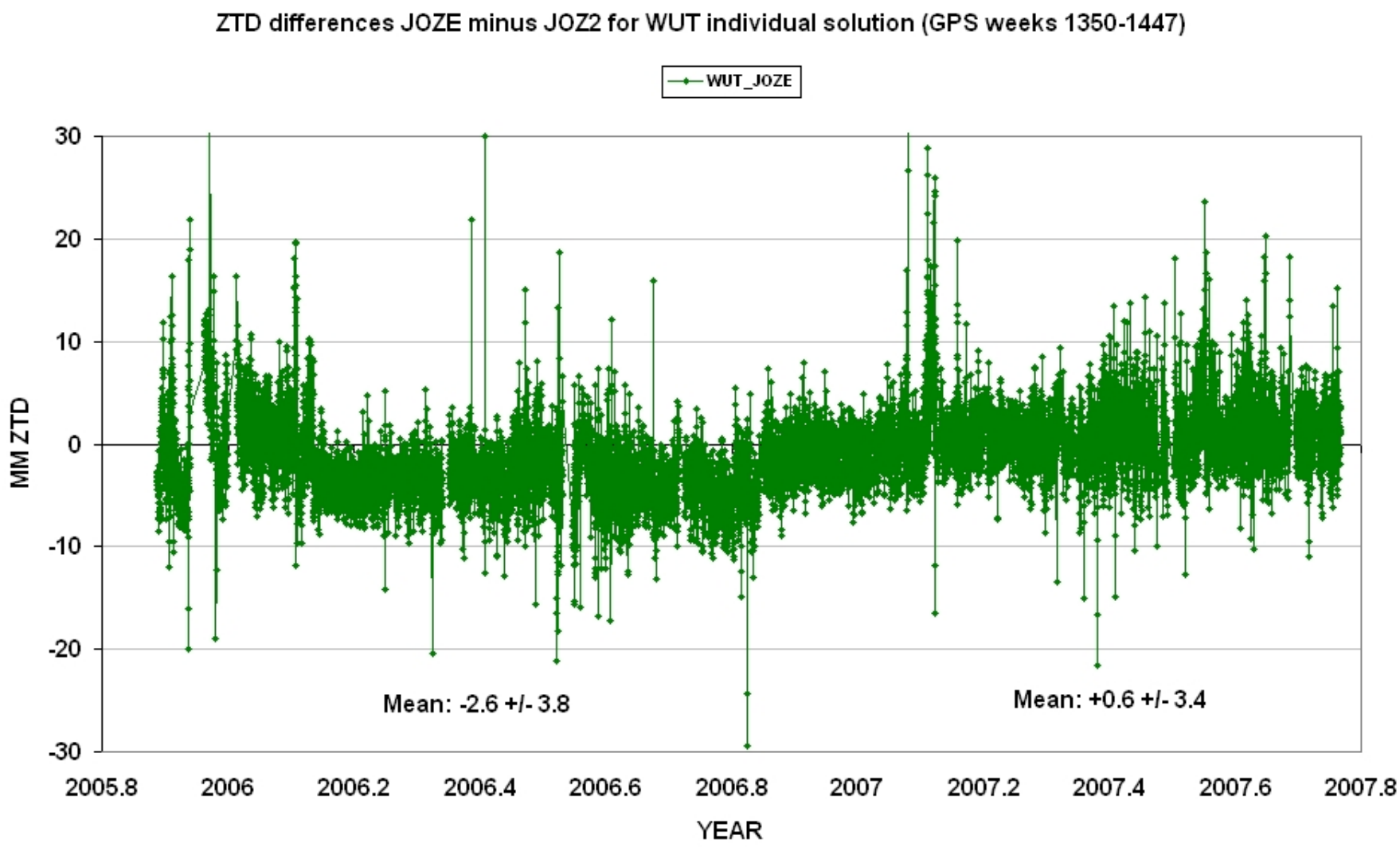
Troposphere Special Project



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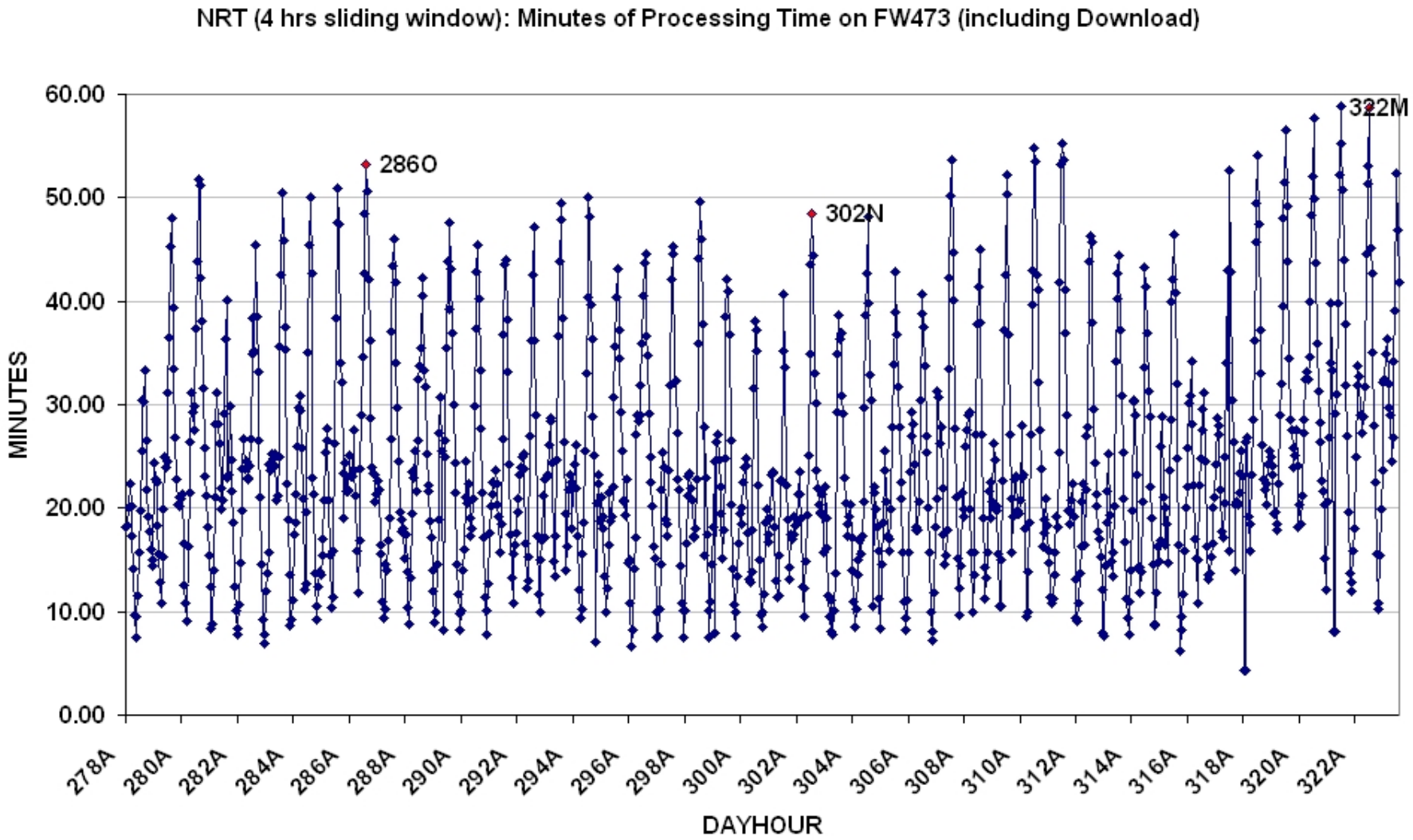

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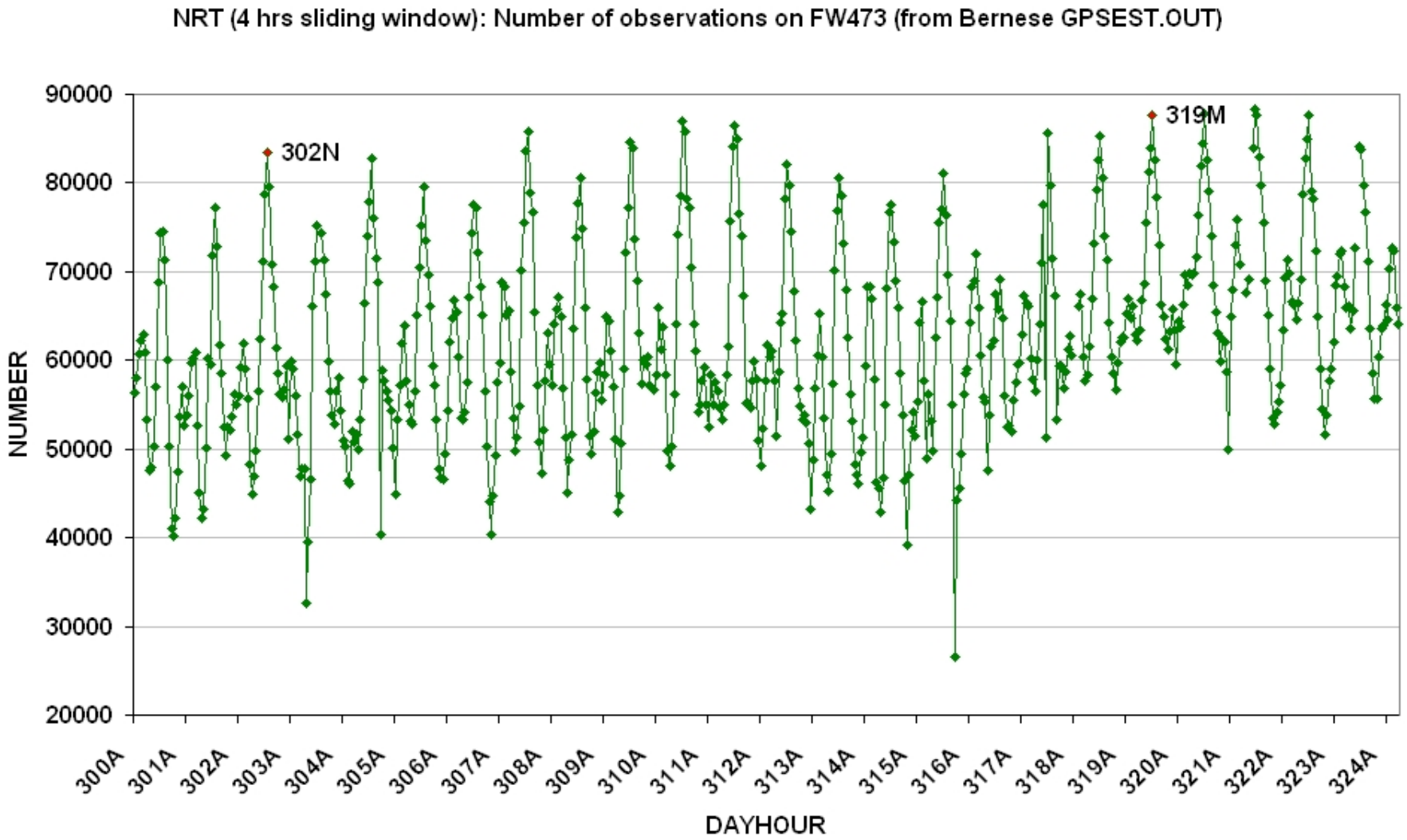

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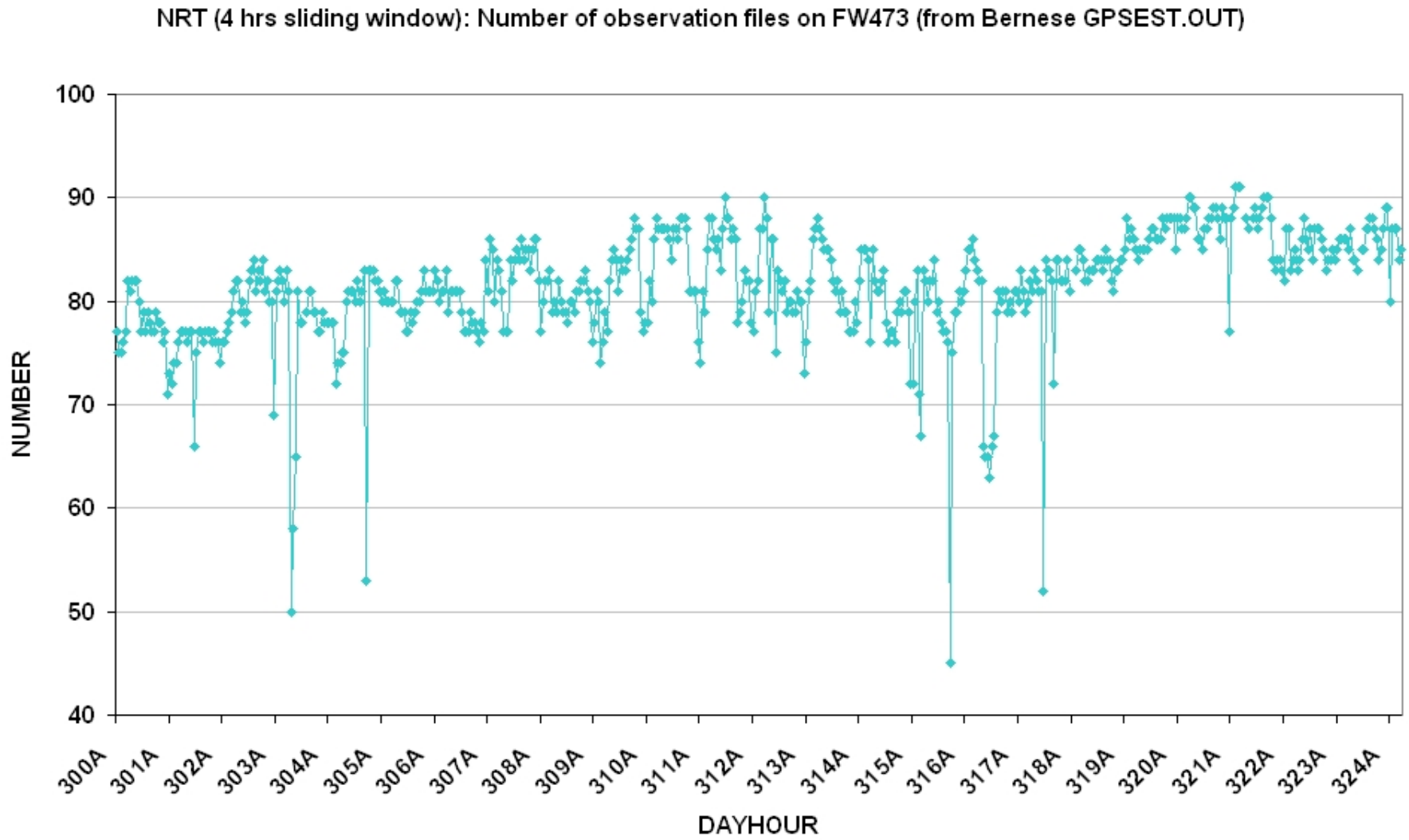

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