

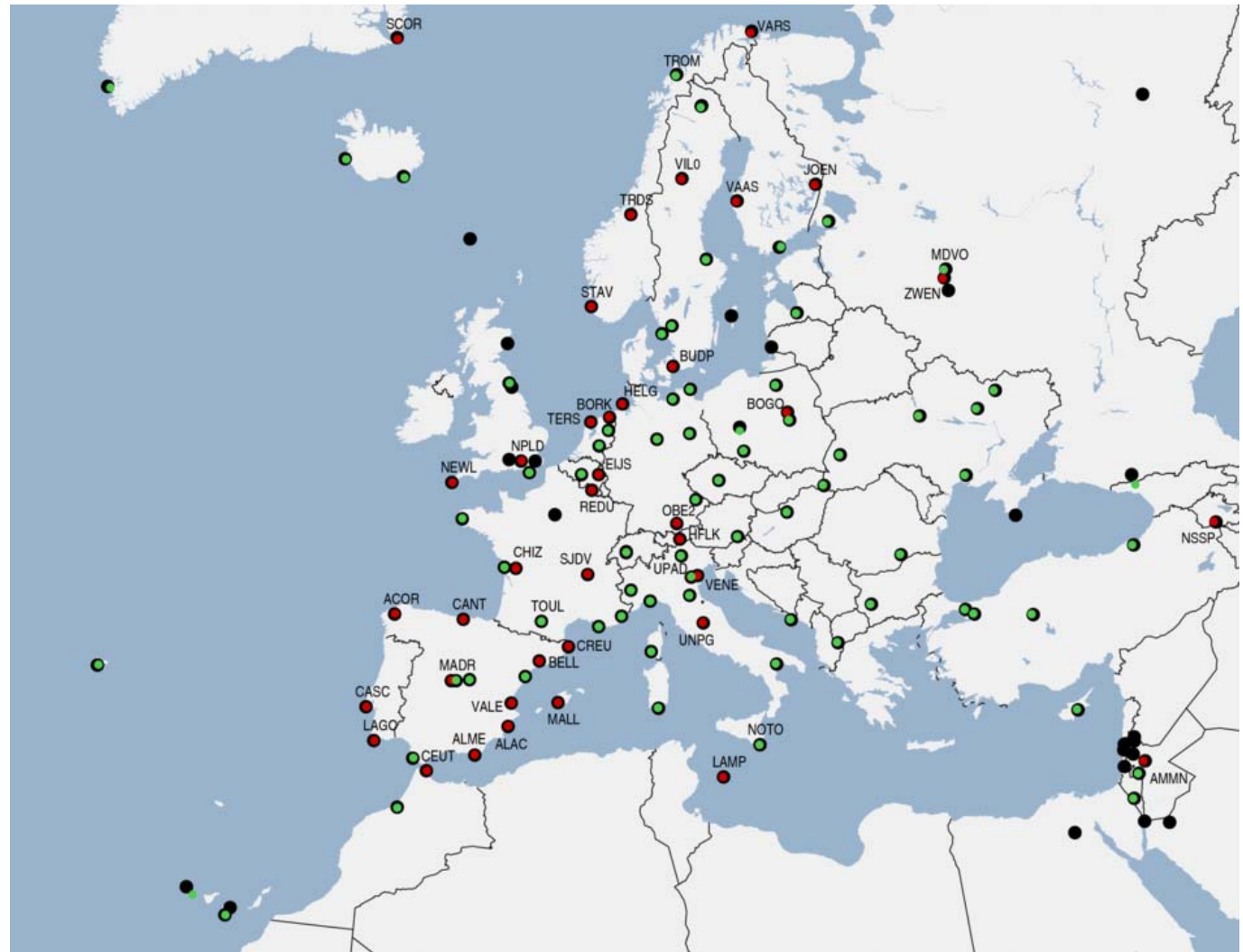
# GNSS CONTRIBUTION TO ITRF2008

- Submitted by IGS (= GNSS technique center, since new structure of IERS in 2001)
- Based on weekly IGS solutions: GPS wk 0886 – 1459 (~700 sites)

**IGS/ITRF2008**

**EPN**

**IGS**

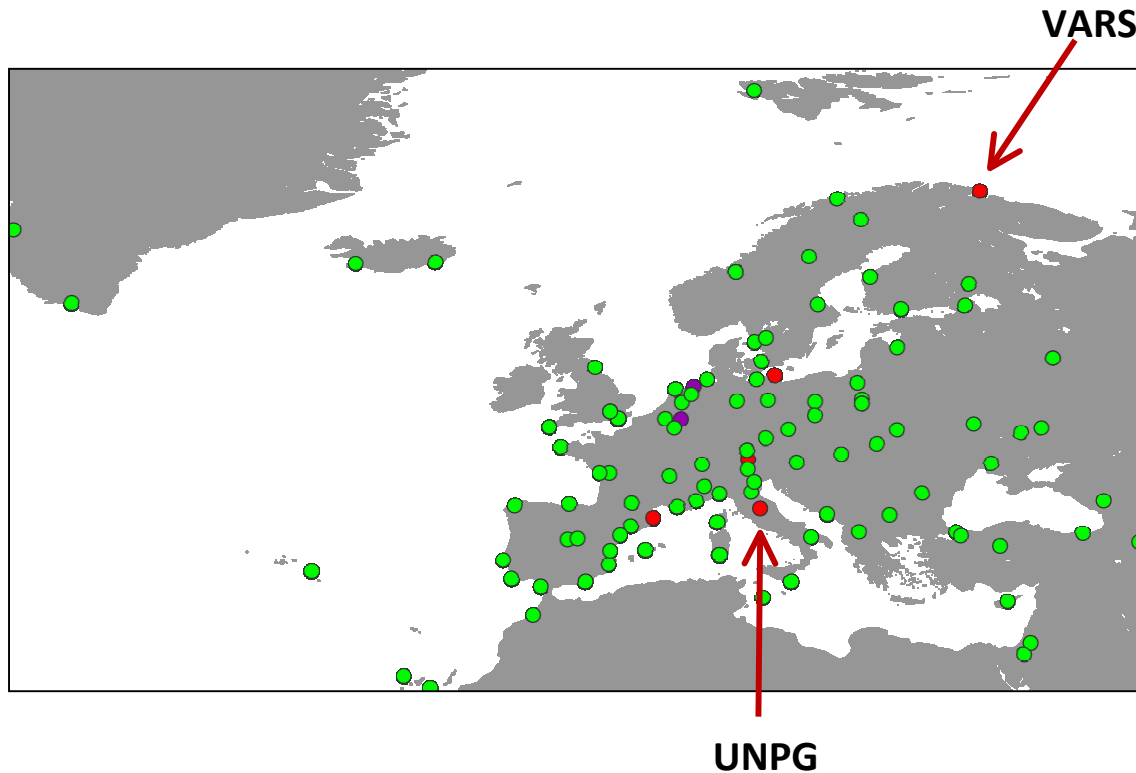


# COMPARISON EPN PILOT REPRO (MUT) AND ITRF2008

Position North & East < 5 mm, Up < 10 mm  
Velocity North & East < 1 mm/yr, Up < 2 mm/yr.

In green: the EPN station with good agreement with ITRF2008

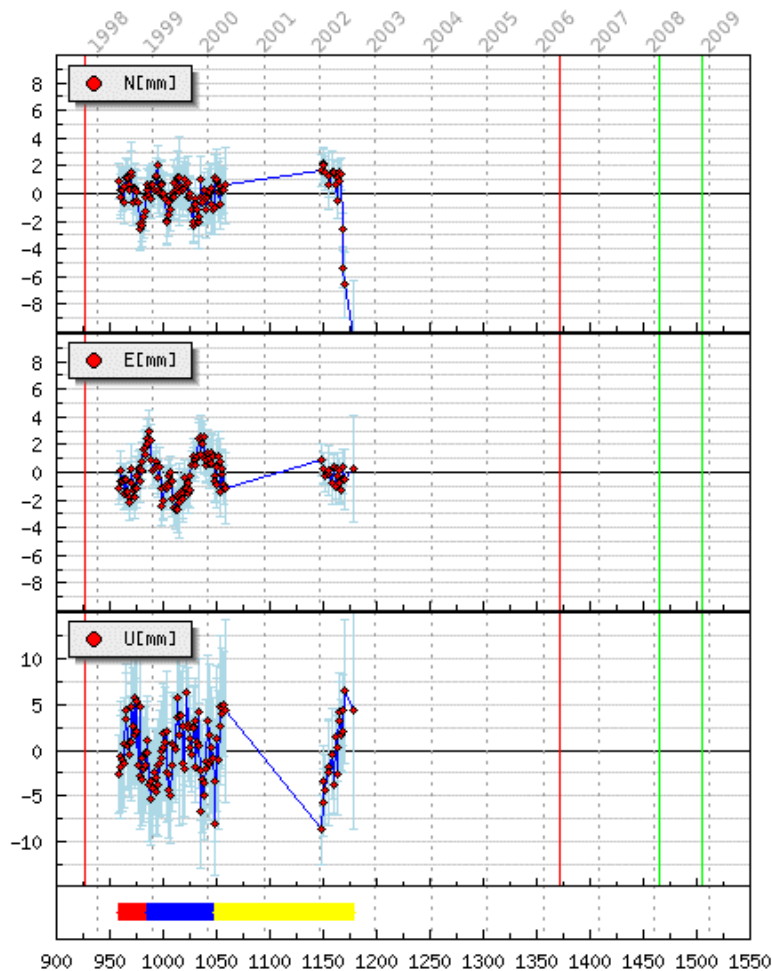
In red/purple: Rejected EPN stations



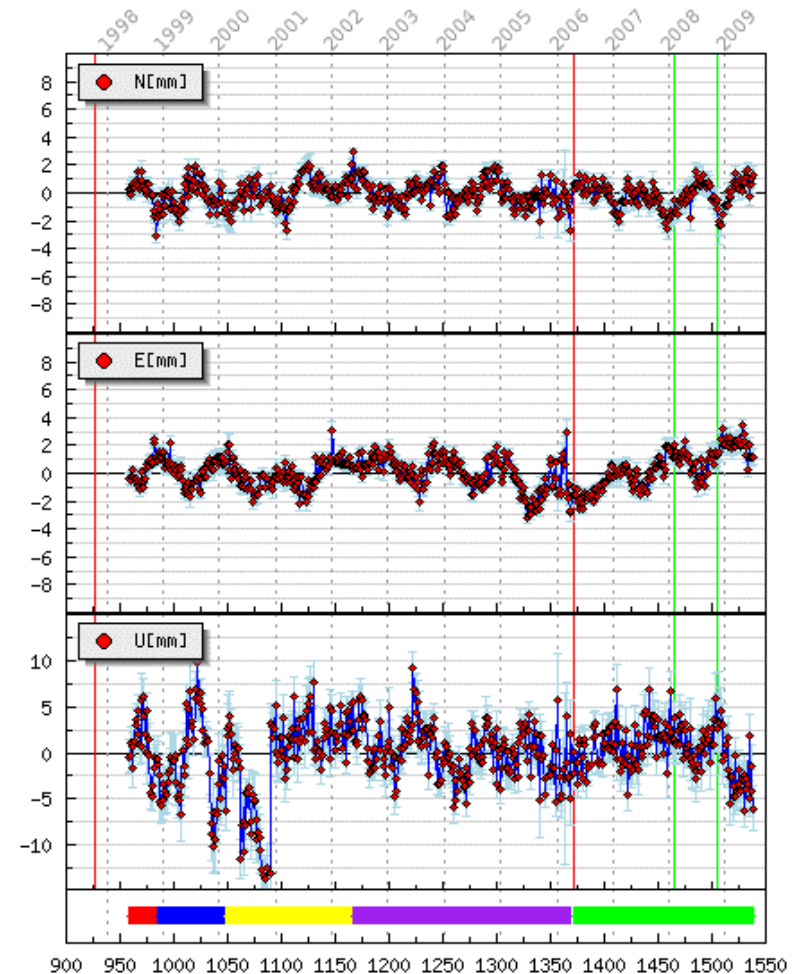
# COMPARISON OF RESIDUAL POSITION TIME SERIES

UNPG (Perugia, Italy)

ITRF2008



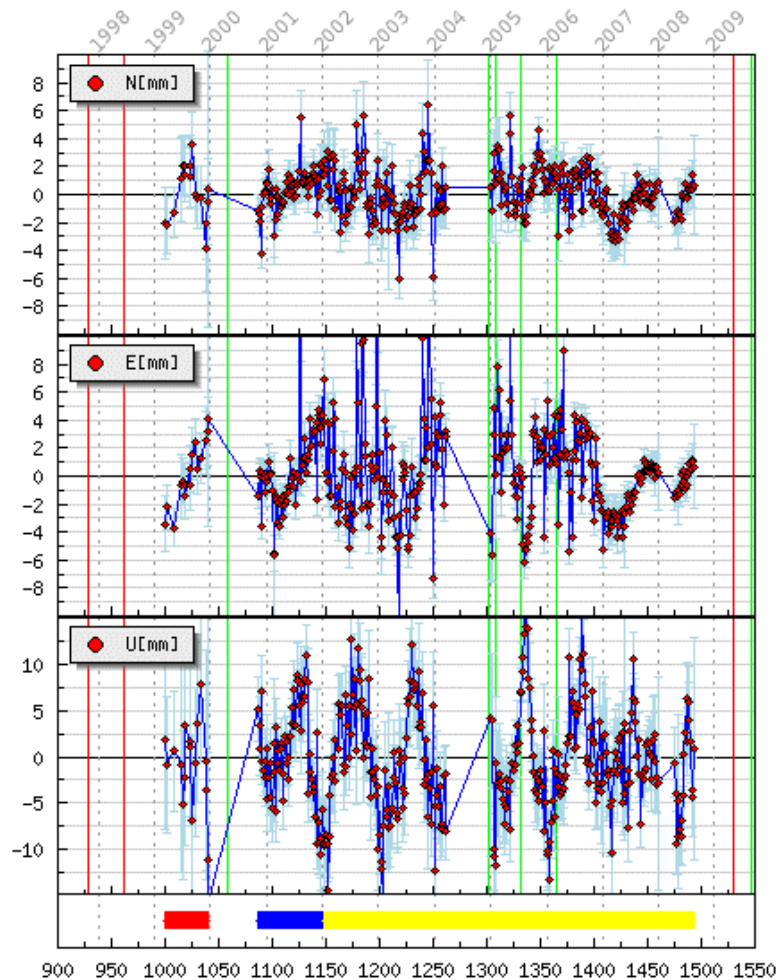
EPN REPRO by MUT



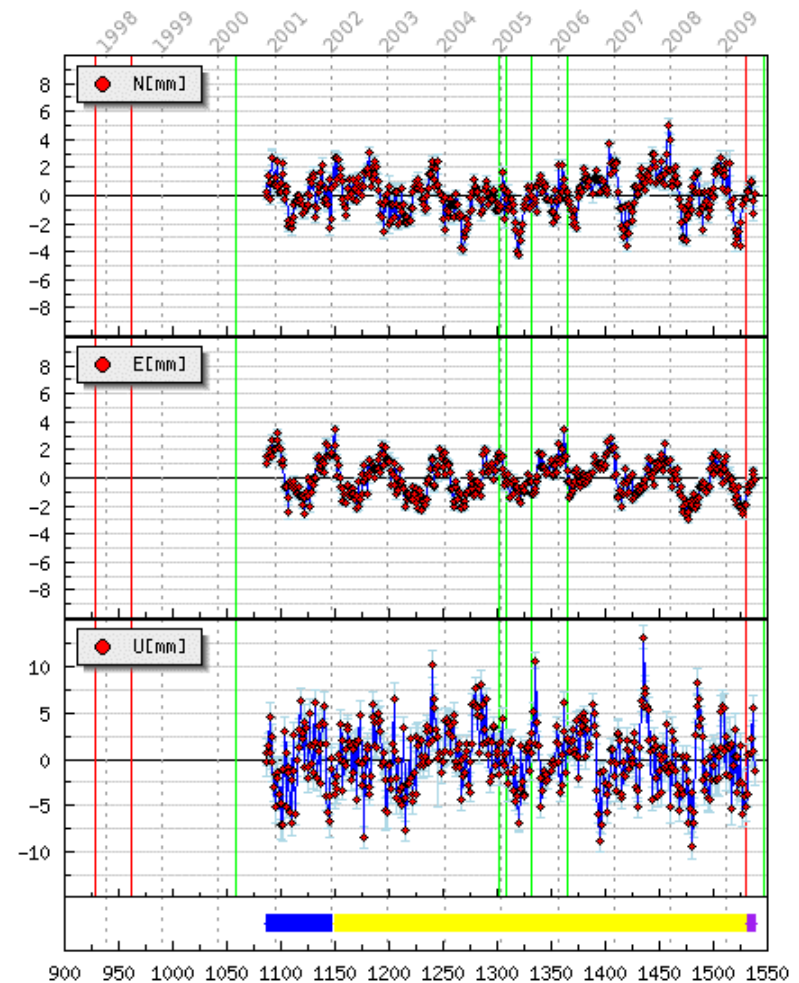
# COMPARISON OF RESIDUAL POSITION TIME SERIES

VARS (Vardo, Norway)

ITRF2008



EPN REPRO by MUT



# HOW CAN THIS HAPPEN?

- Does not give proper credit to efforts of station manager to maintain a good quality station
- R. Ferland (pers. comm. Jan. 7, 2011)
  1. Data not available (essentially at CDDIS) to the ACs at the time of the reprocessing, thus not reprocessed.
  2. Data available but the ACs for some reasons decided not to include it.
  3. Data available but not provided to ITRF, because it did not meet some minimum criterions: - Missing DOME # - Data span available less than 2 years.

ITRF2008 should be the final reference, as extra screening and discontinuity analysis was performed

- Z. Altamimi (pers. comm., Jan 10, 2011): no significant rejections done
- Comparison of IG1 residual position time series with our own time series confirms that problem originates at IGS level