

SGO_LAC (#13)

STATUS REPORT - 2008

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FÖMI SATELLITE GEODETIC OBSERVATORY
PENC, HUNGARY

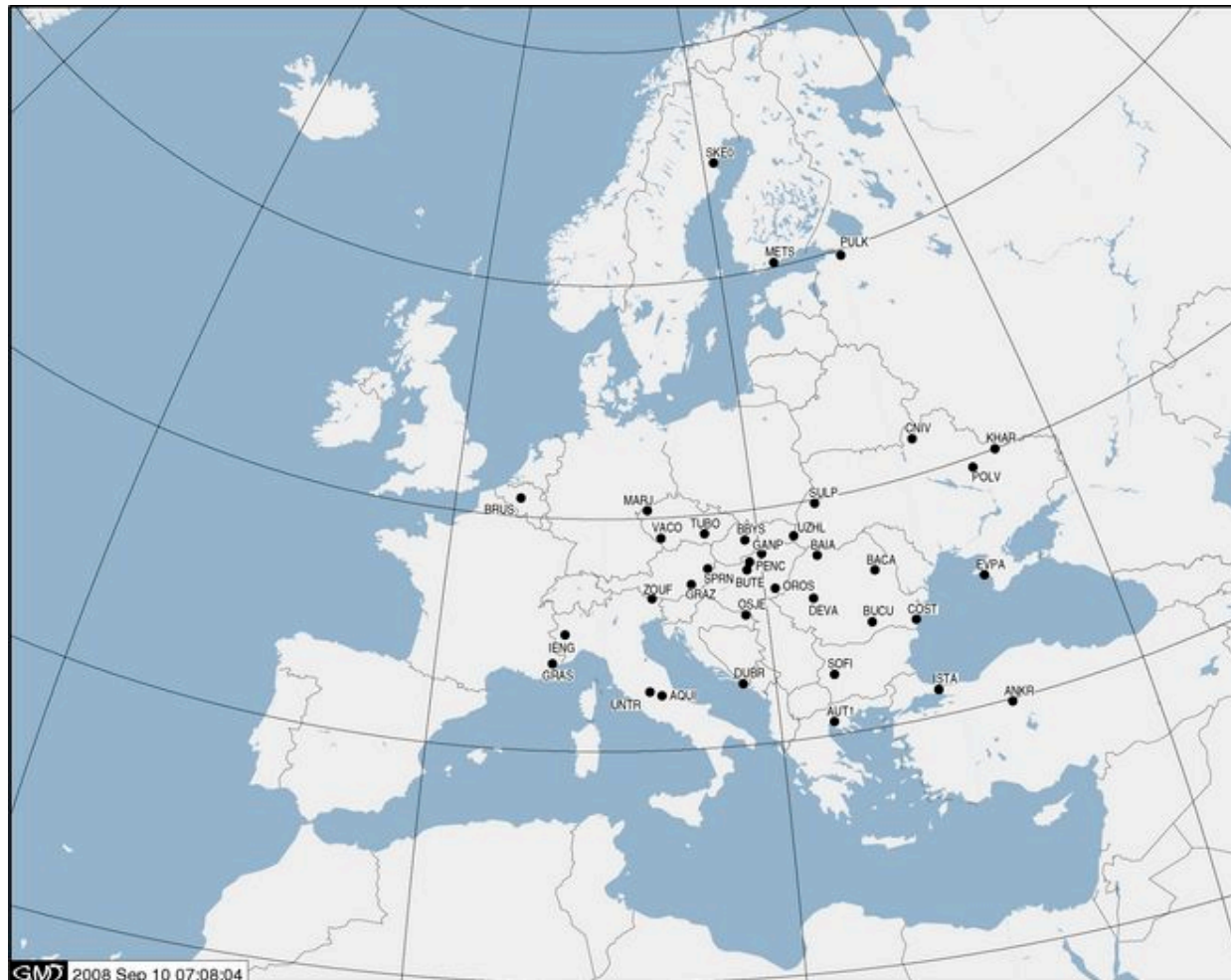
EPN_LAC WORKSHOP, 22-23 OCTOBER 2008, FRANKFURT

ACTIVITIES

- **GPS** ANALYSIS OF AN EPN SUBNETWORK
 - STANDARD WEEKLY
 - RAPID DAILY
- **GNSS** ANALYSIS OF THE NATIONAL GNSS NETWORK
 - STANDARD WEEKLY
 - RAPID DAILY
- TIME SERIES ANALYSIS OF BOTH NETWORKS

SOFTWARE: BERNESE 5.0 BPE and CATREF

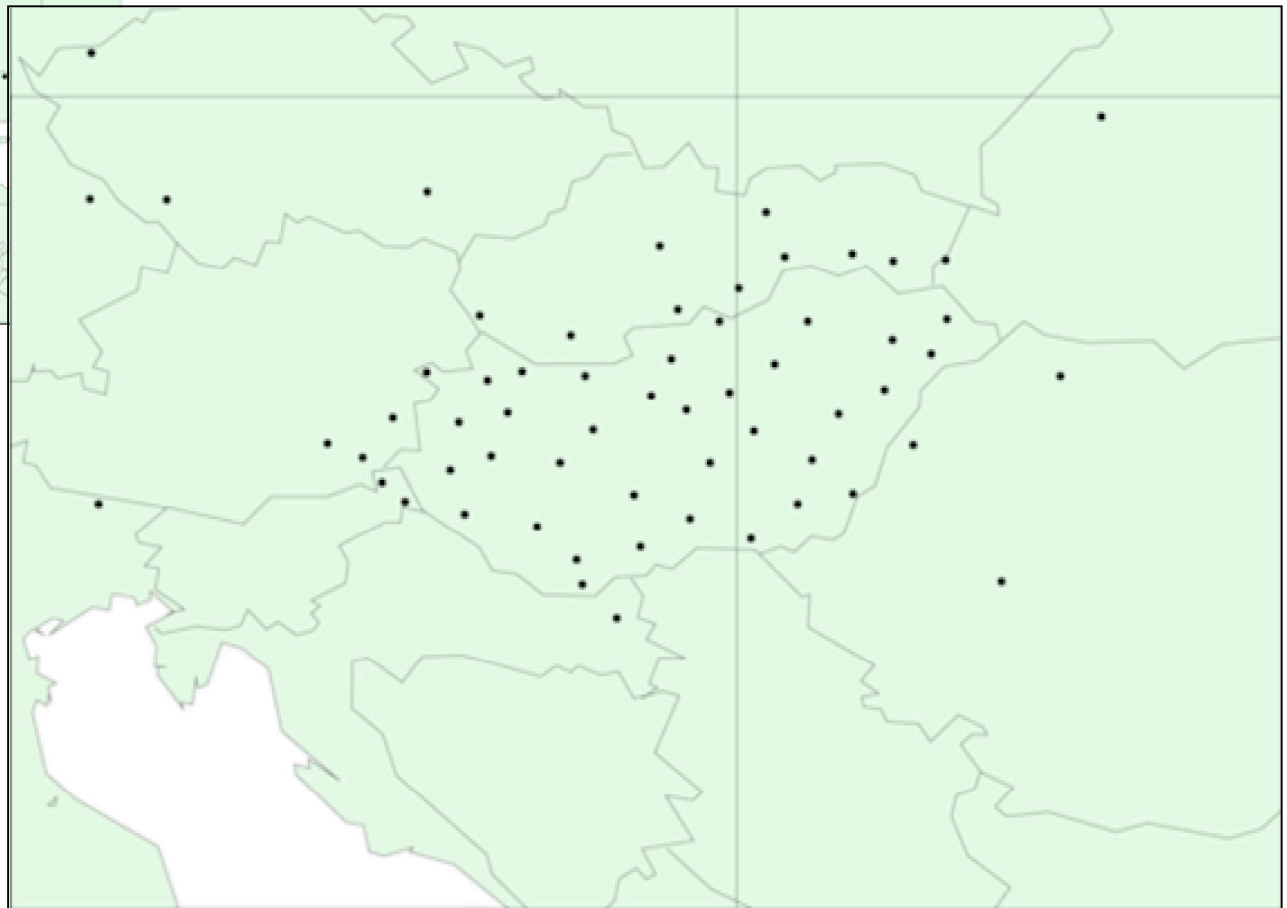
EPN SUBNETWORK (17 → 35)



NATIONAL GNSS NETWORK (+)



GNSSnet.hu (EUPOS relation)



~80 stations
50% GNSS
individual calibrations

GNSS ANALYSIS

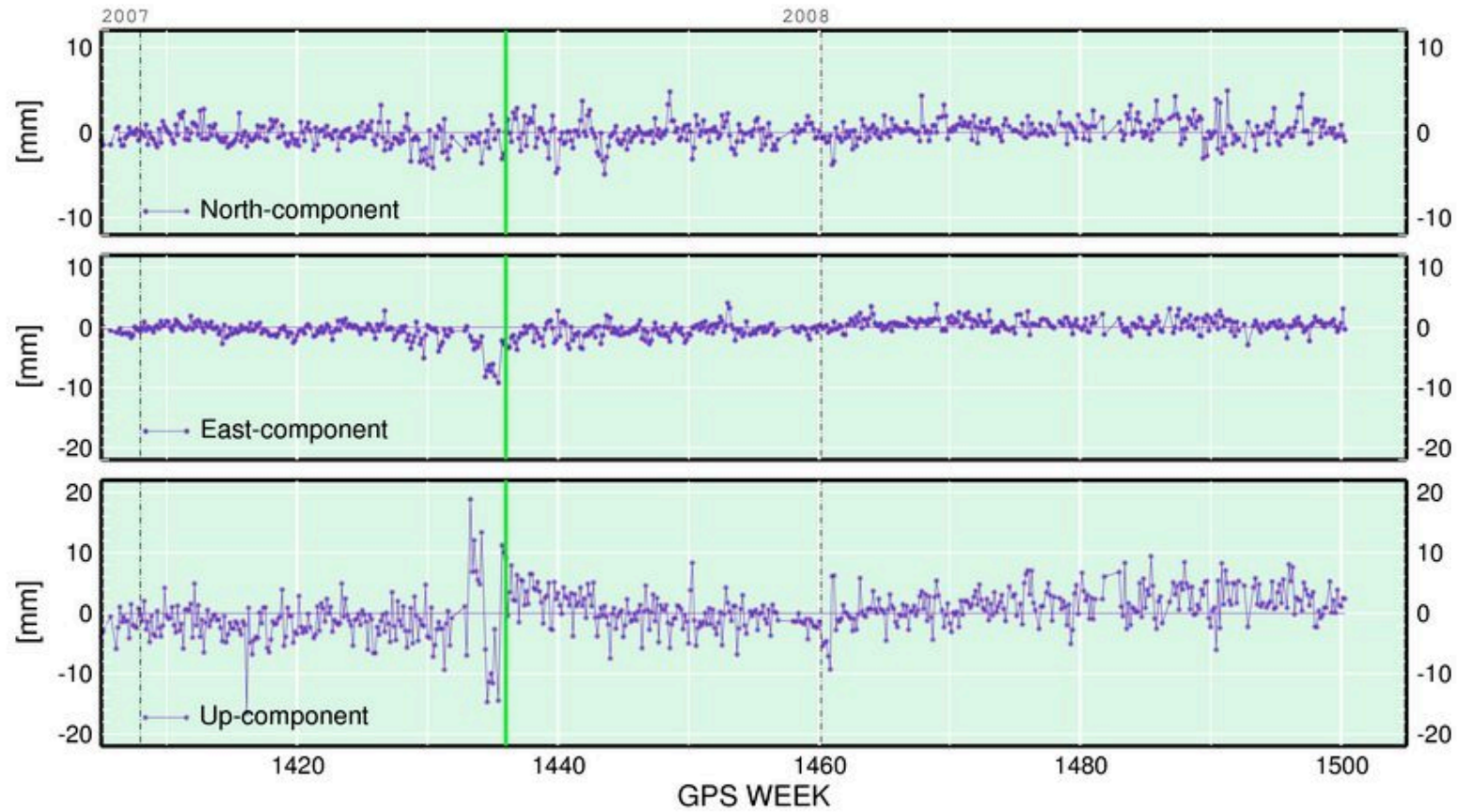
- Bernese 5.0 - no GLO ambiguity resolution
 - CODE products (orbit, EOP, ION)
- Weekly final and daily rapid GNSS analysis
 - as expected, no improvement wrt GPS
 - station performance monitoring
 - national ETRS89 realization maintenance

CUMULATIVE SOLUTION

- CATREF (Altamimi et al 2004)
 - Automatic daily and weekly stacking
- Analogous TSA as done at EPN
- Daily and weekly time series plots,
published at the GNSNet.hu website

DAILY TS PLOT: PENC

PENC_11206M006



WEEKLY TS PLOT: PENC

