National Report of Italy

Agenzia Spaziale Italiana

Università di Padova

Università di Cagliari
Activities Developed in the EUREF Framework

- Local Analysis Center (UPAD, ASI/CGS)
- Local Data Center (ASI/CGS)
- 19 Stations are part of the EPN (hourly and daily files)
- Participation in the Special Project in time series (UPAD)
- Near Real Time ZTD computation (ASI/CGS)
- Support to EUREF IP project (UNICA/UPAD) with several EPN and non EPN permanent stations
Ground-Based GPS Network

GPS Data Provider

ASI, EPN LDC, Italy
BKGE, EPN RDC, Germany
BKGI, IGS RDC, Germany
ESOC, Germany
IGNE, EPN LDC, France
IGNI, IGS GDC, France
OLG, EPN LDC, Austria

80 stations in Post-Processing
40 stations in NRT
NRT versus Post-Processed ZTD
Monthly mean bias and std
June 2001-April 2004

[6mm ZTD ≈ 1mm IPWV]
Network processed weekly by UPAD
IP tests performed by the UniCA