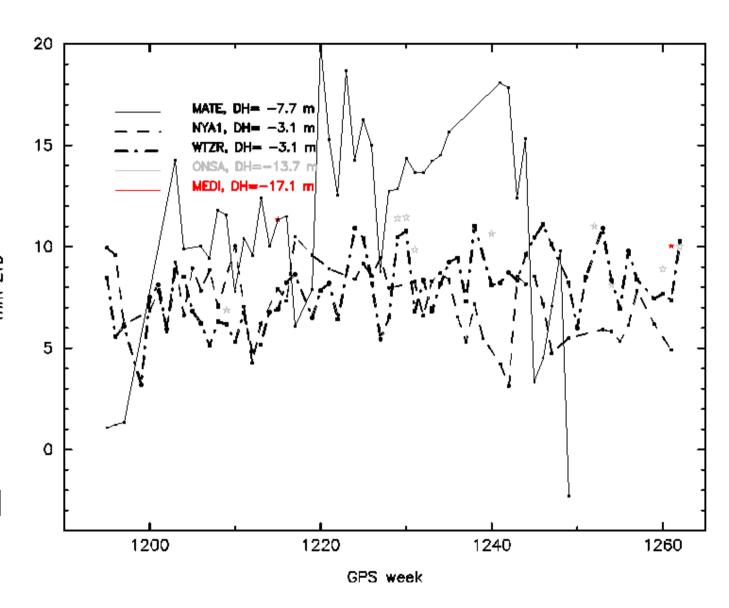


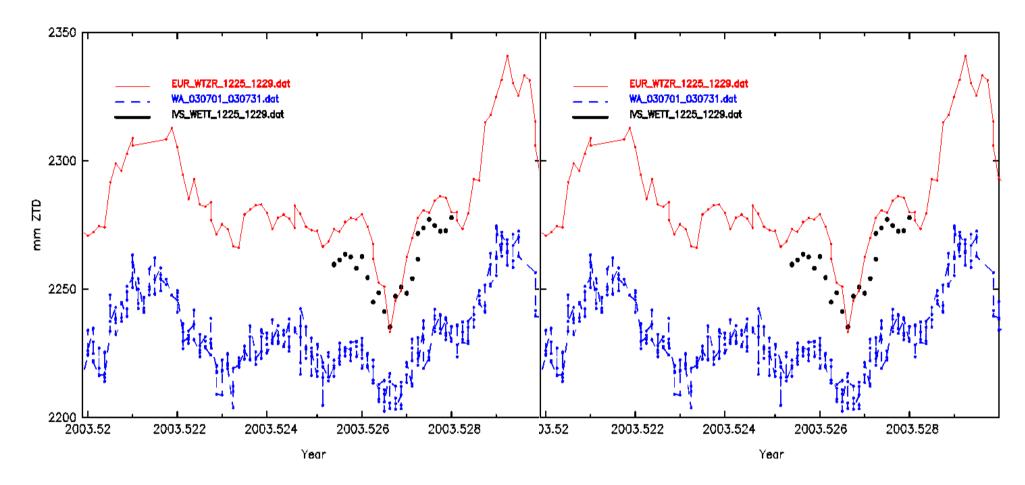
Year

Mean diff. for some Europ. Sites

Without height Difference corrections!

Bias between GPS and VLBI





Differences for one month in 2003 between GPS, WVP and VLBI. Remarkable bias between VLBI/GPS and WVR with a high standard deviation of about 15 mm ZTD.

September 2004 EUREF's Ntrip becomes RTCM Standard











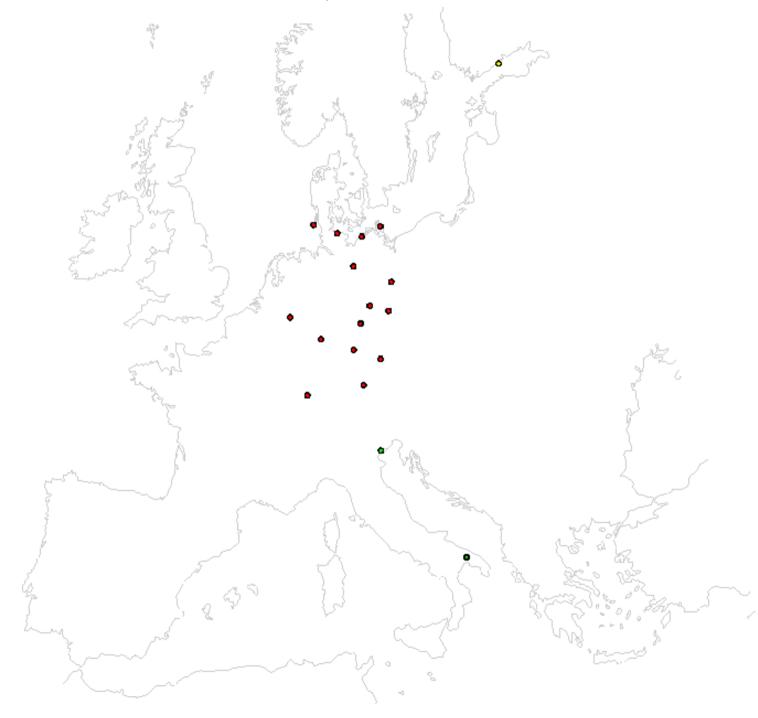


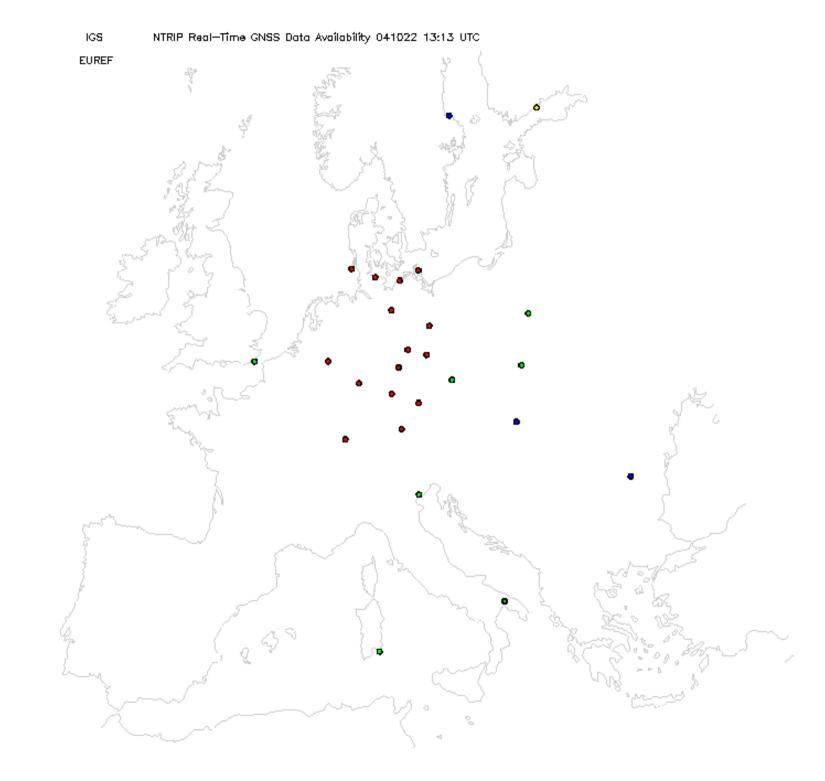


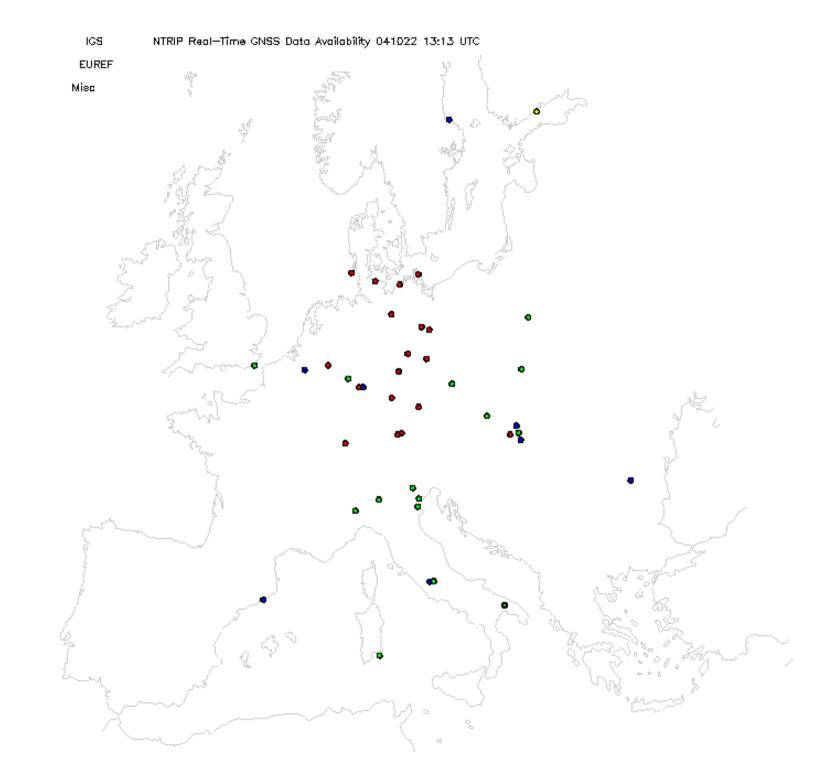
Status Ntrip Real-time GNSS Networks Europe

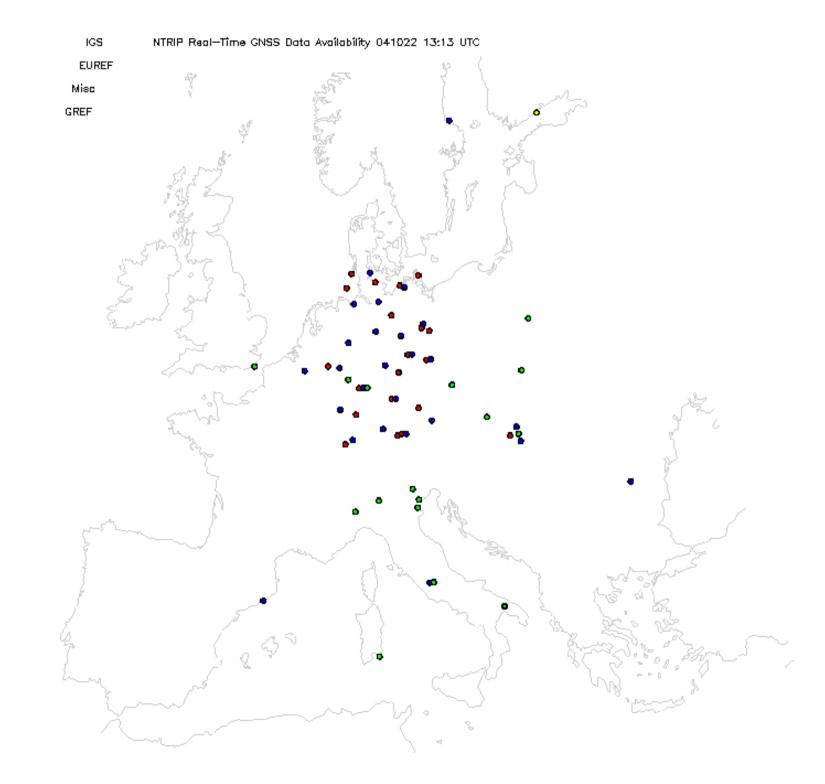
Participation

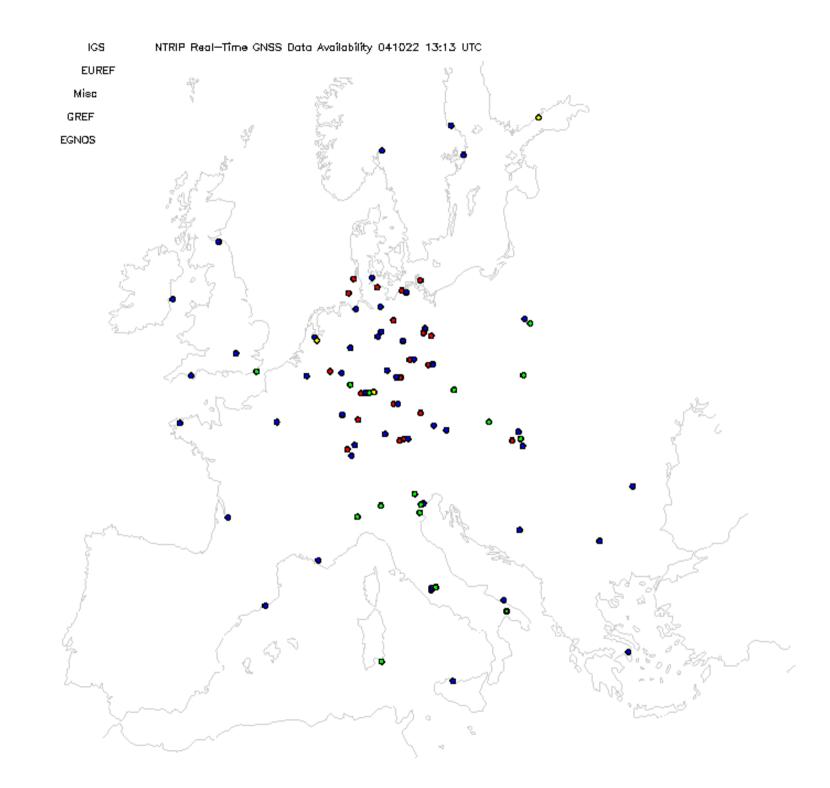


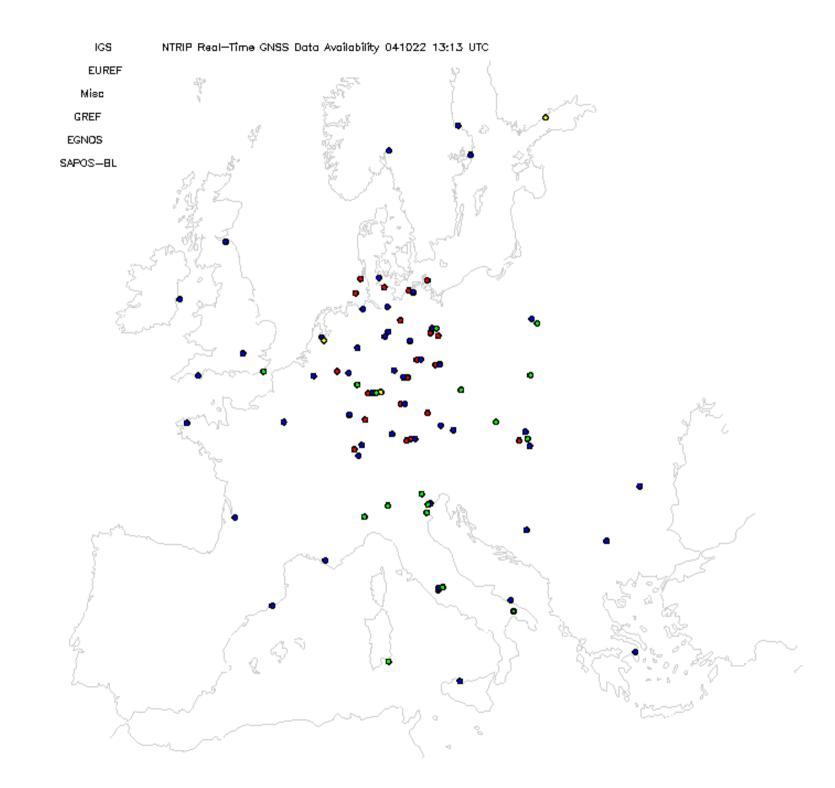


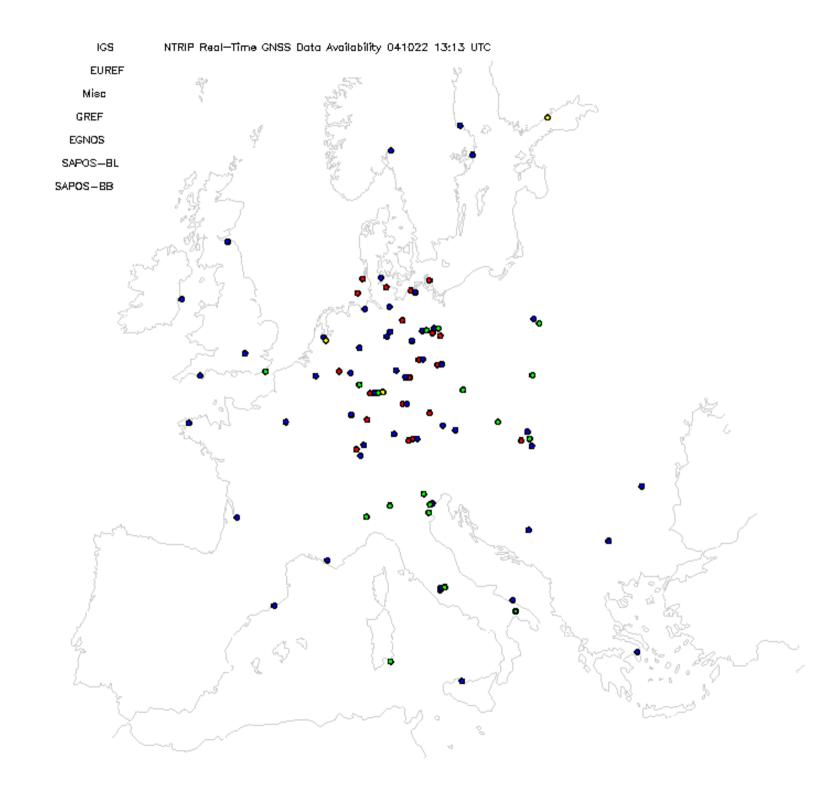


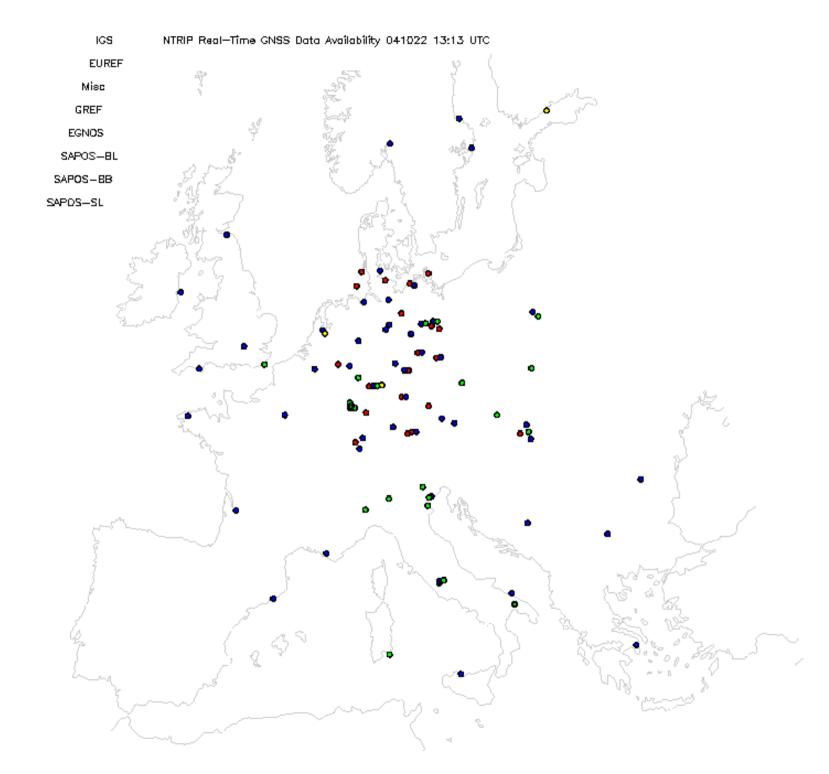


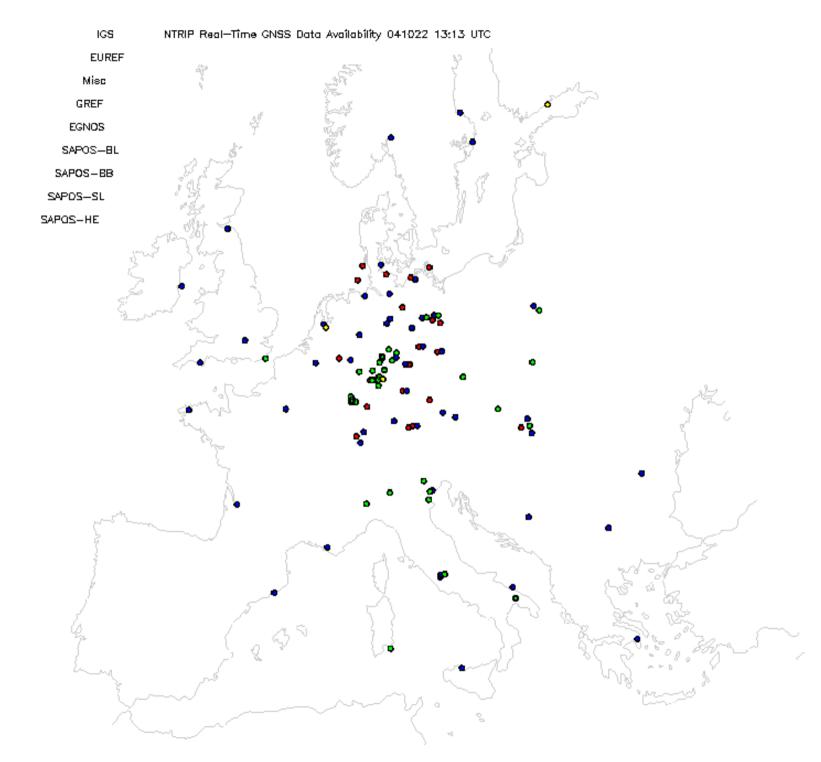


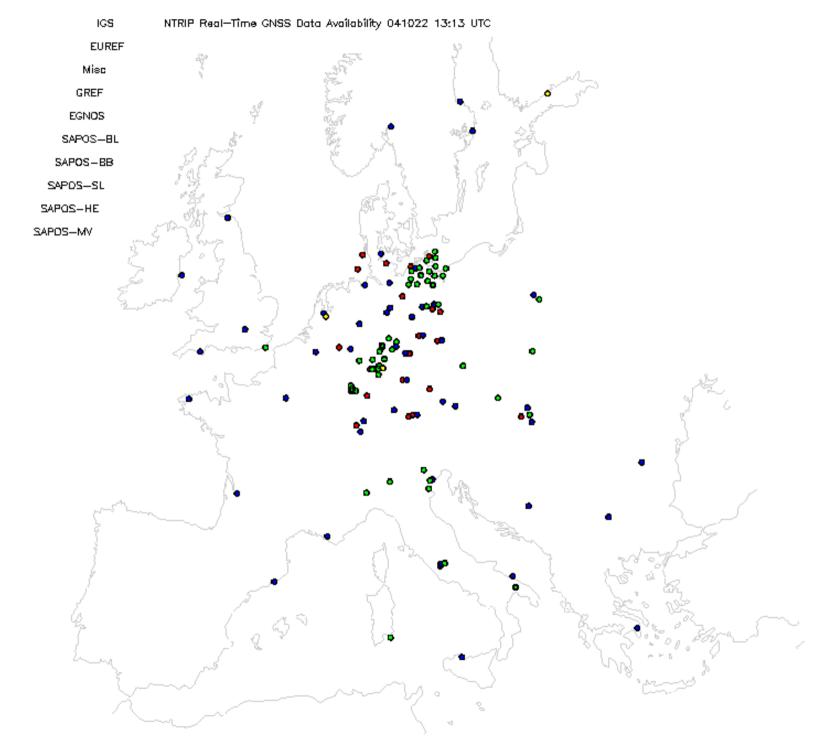


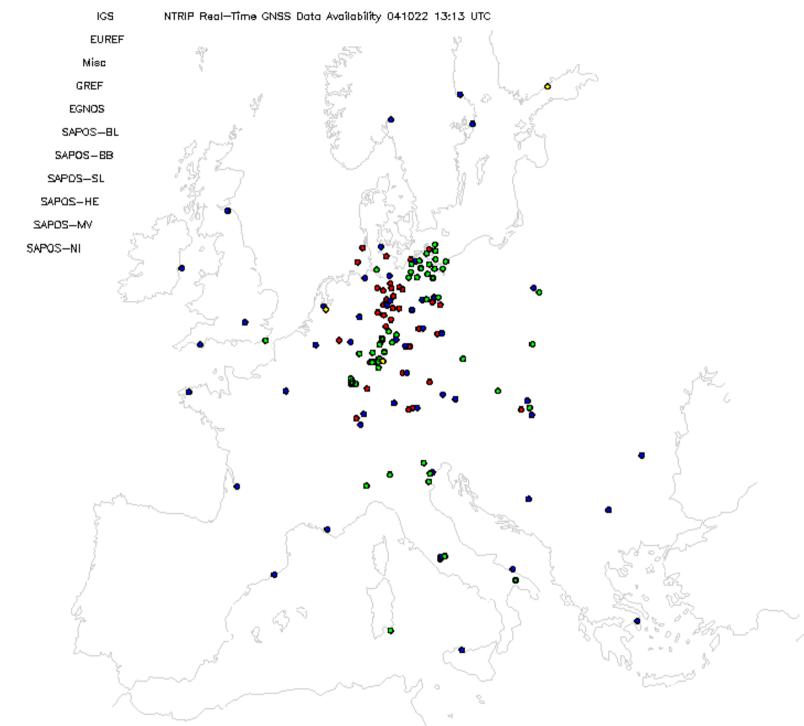


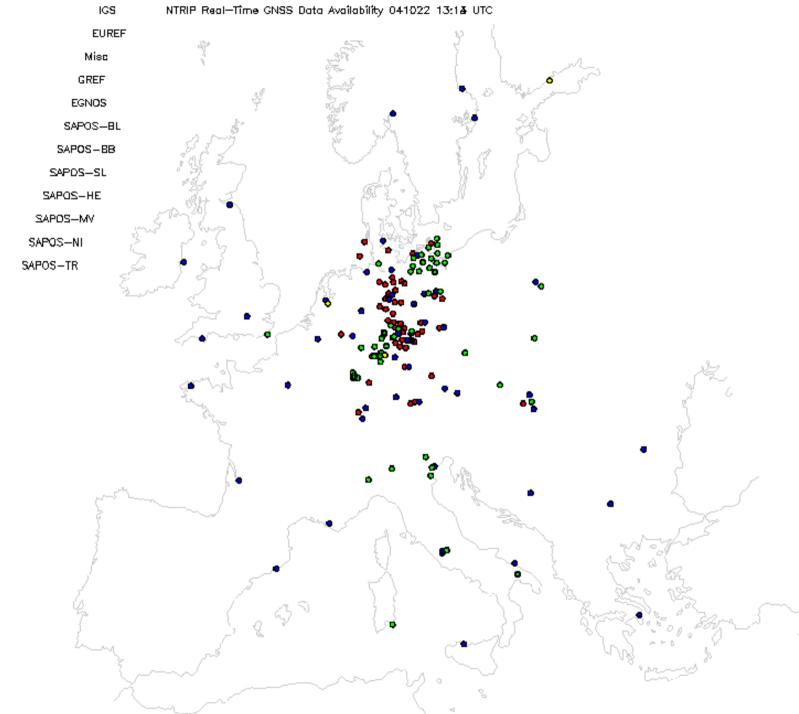


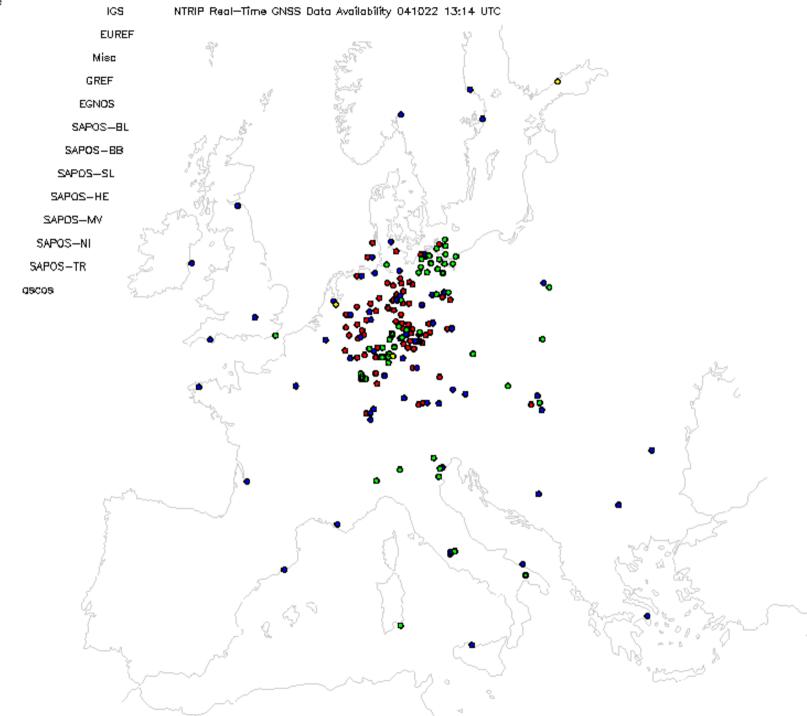


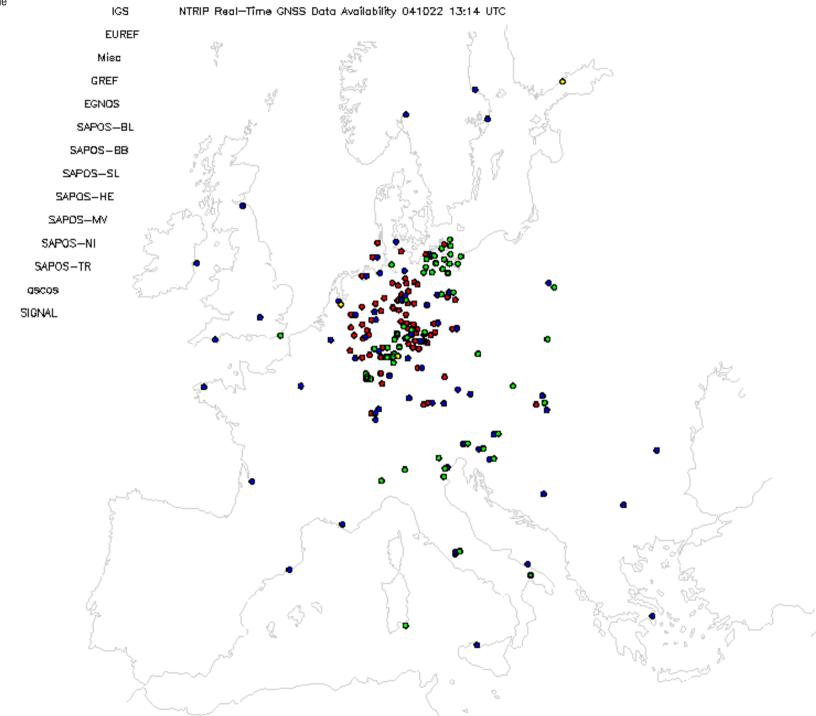


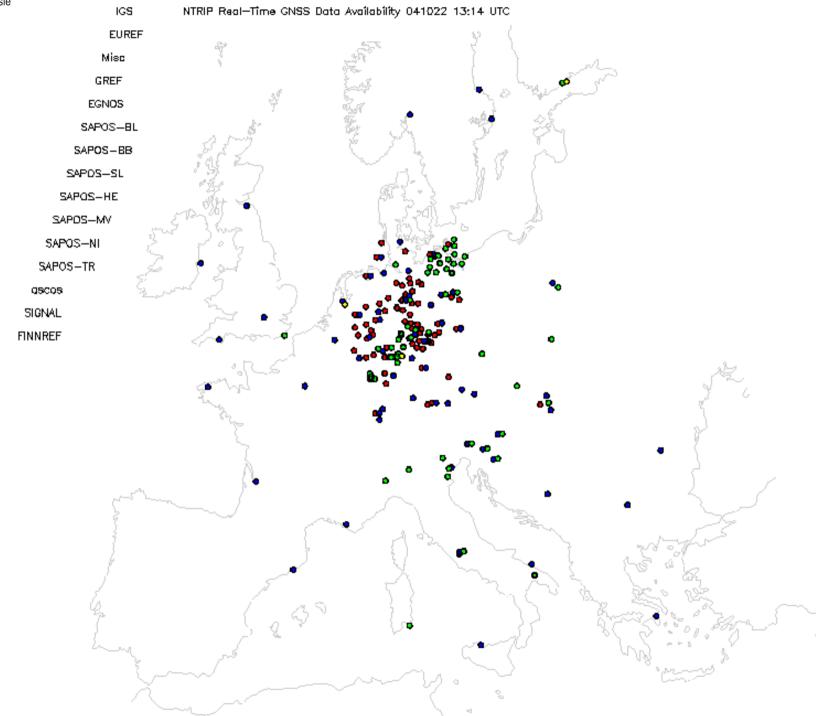


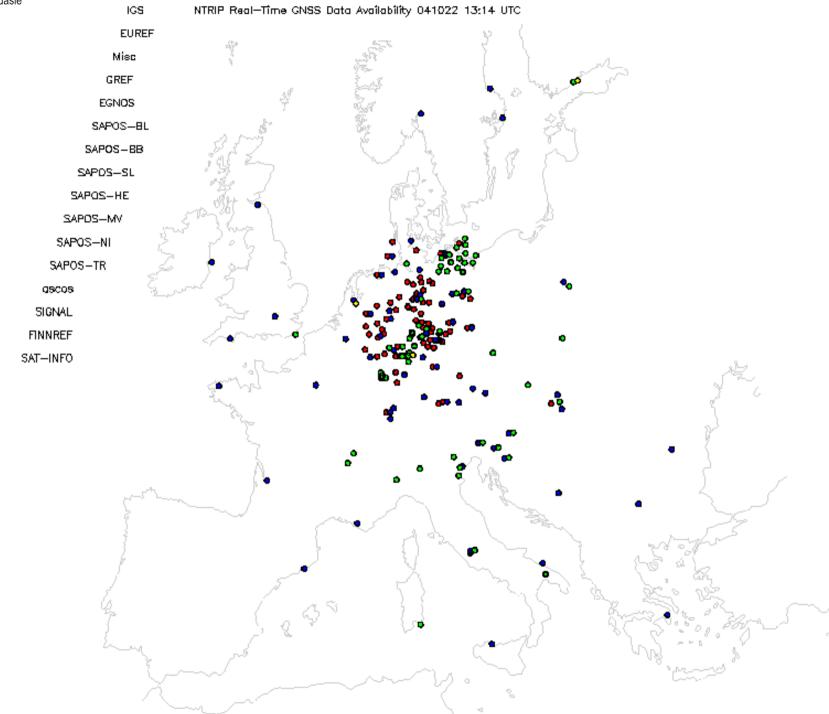


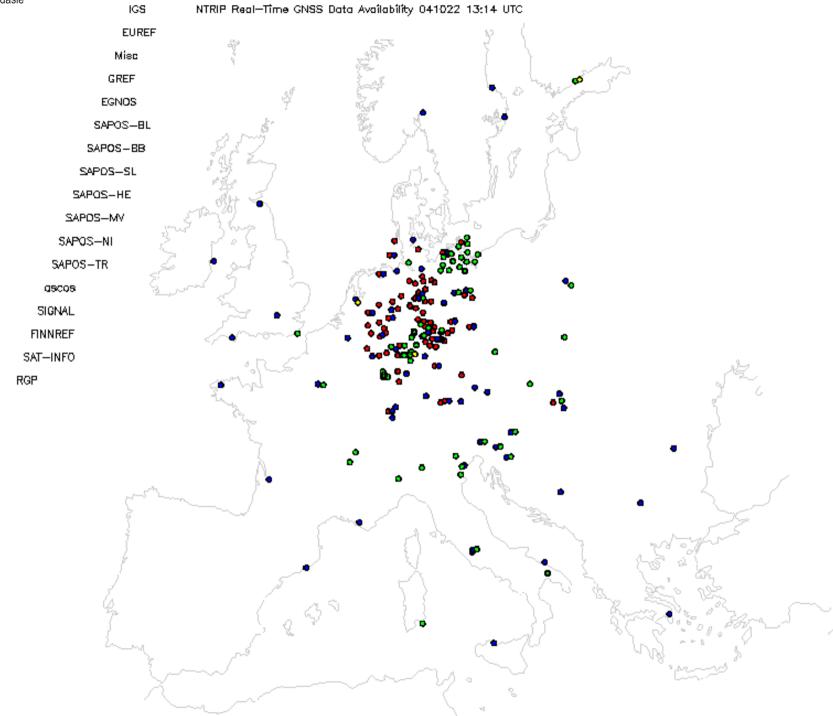


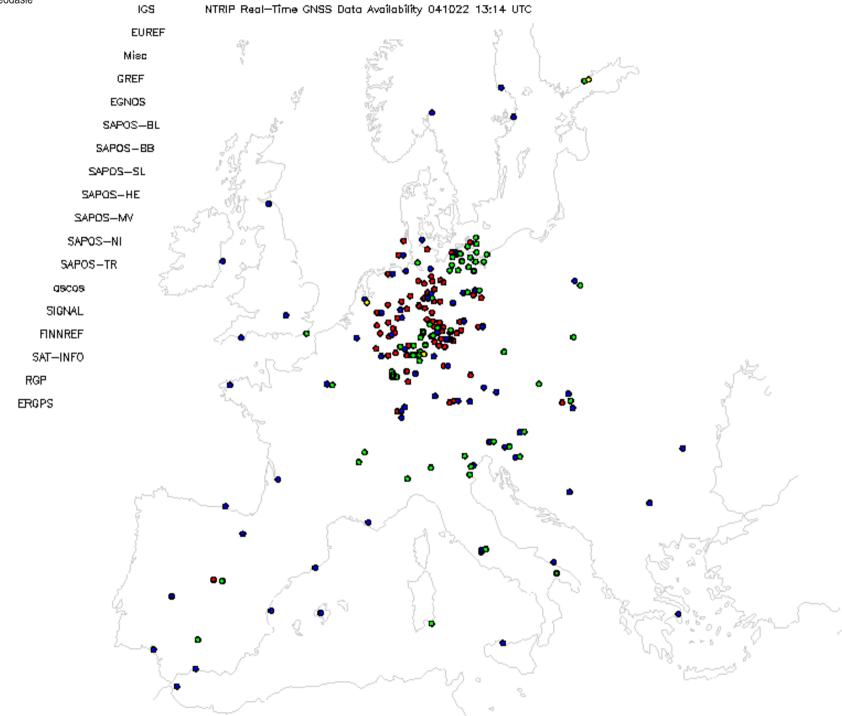


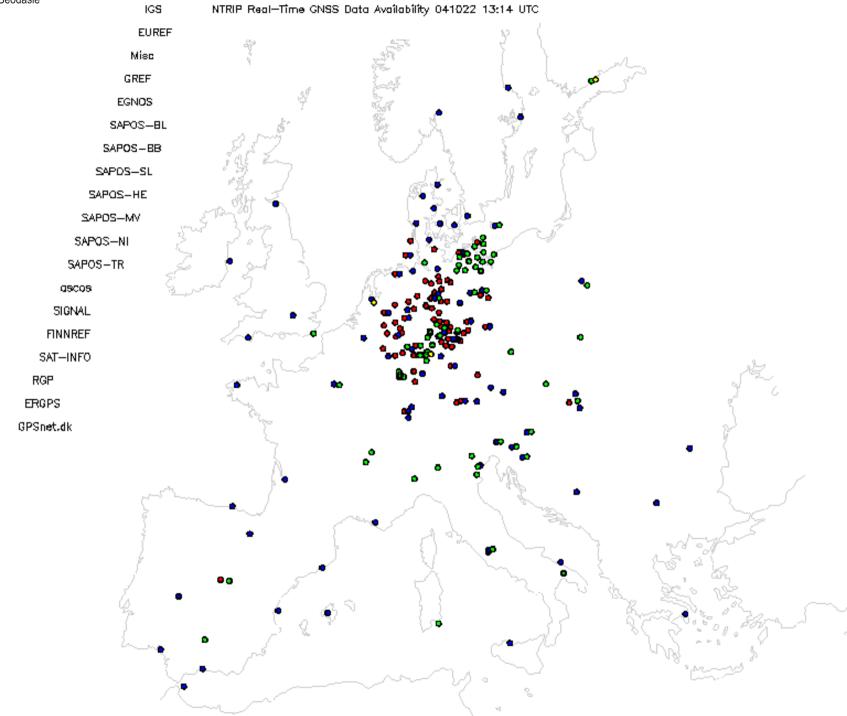


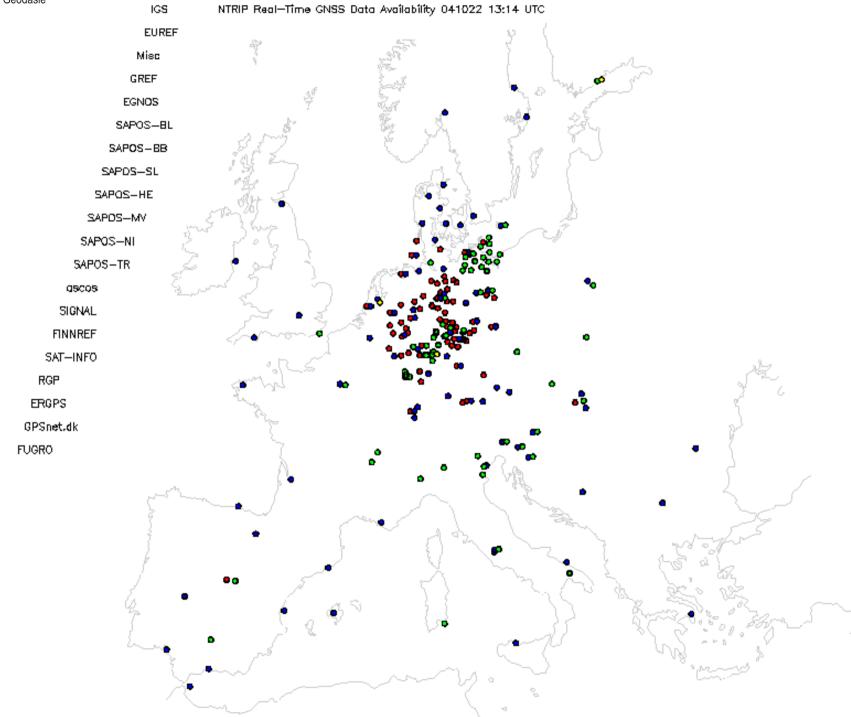


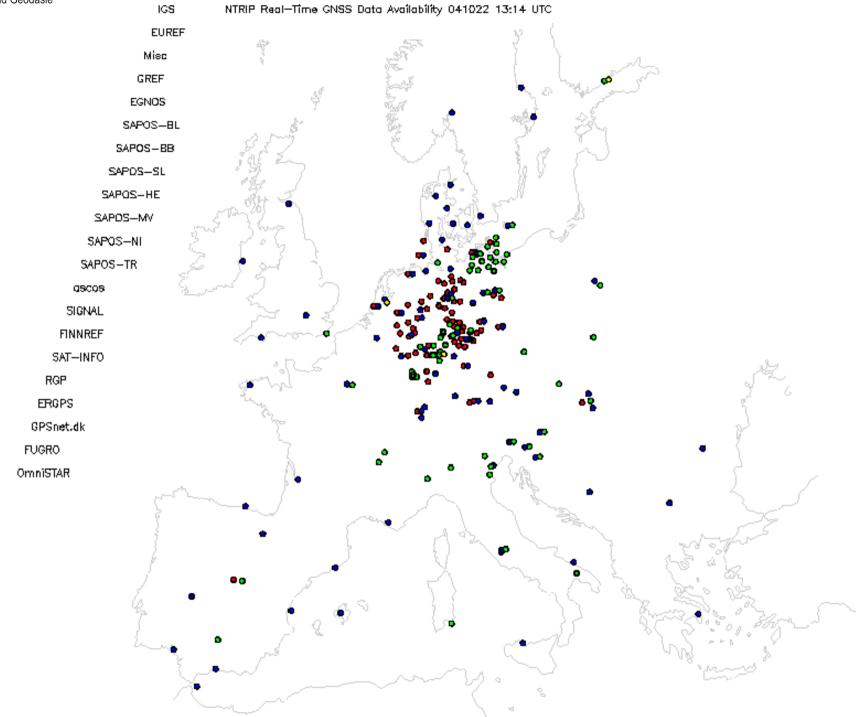


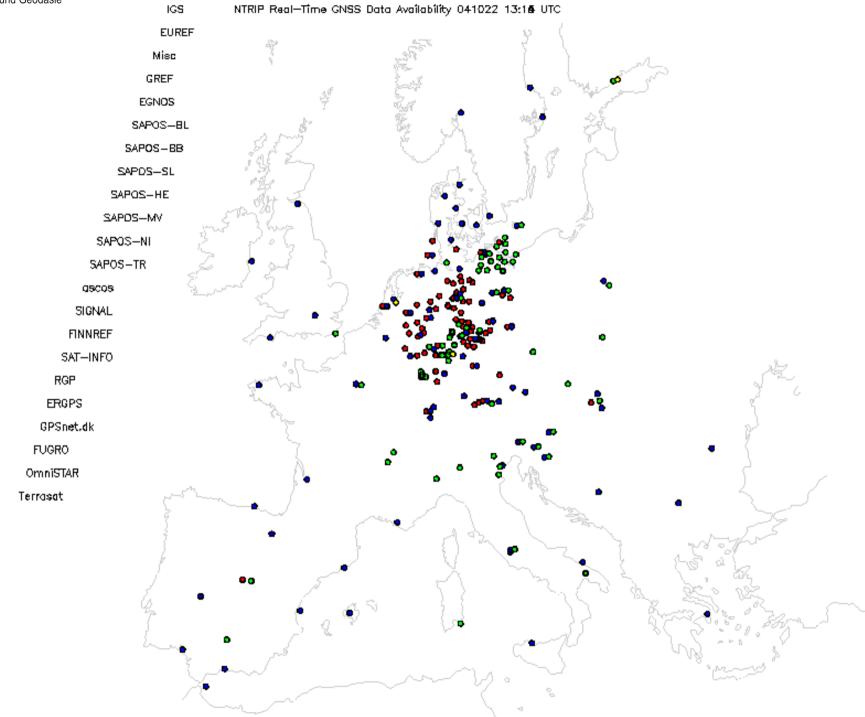


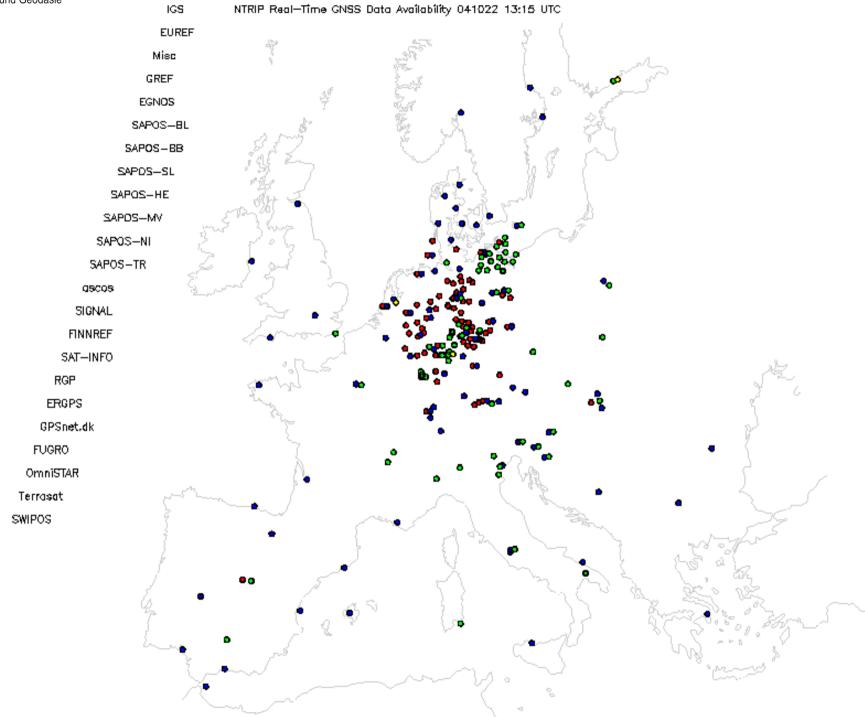


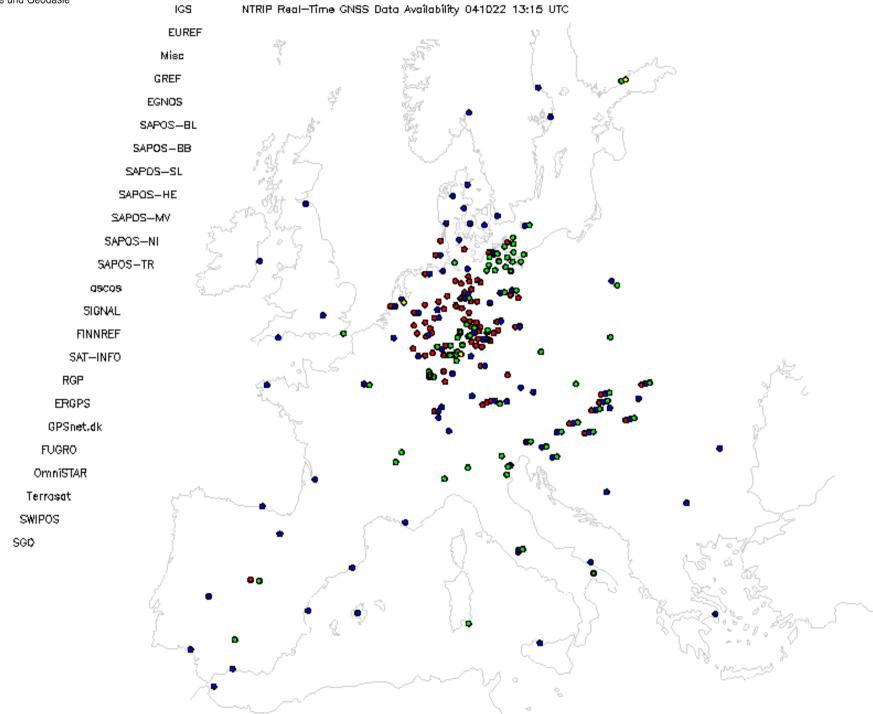


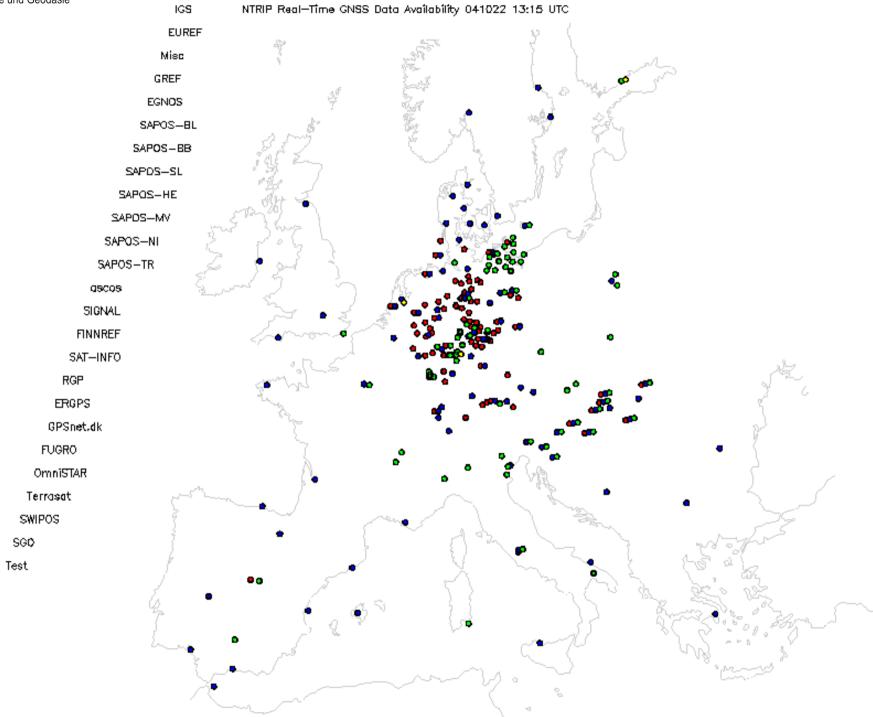


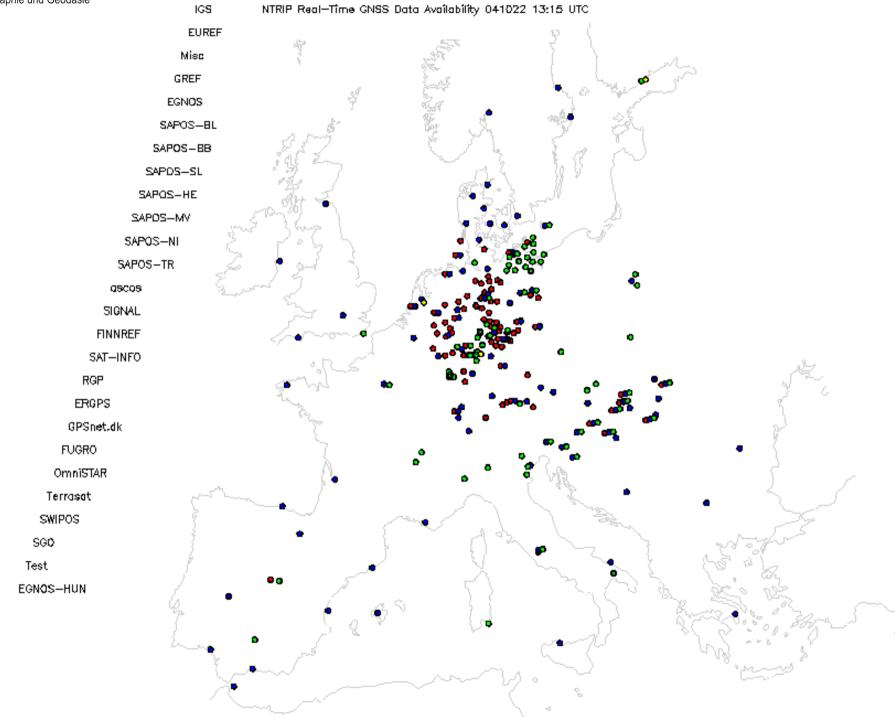


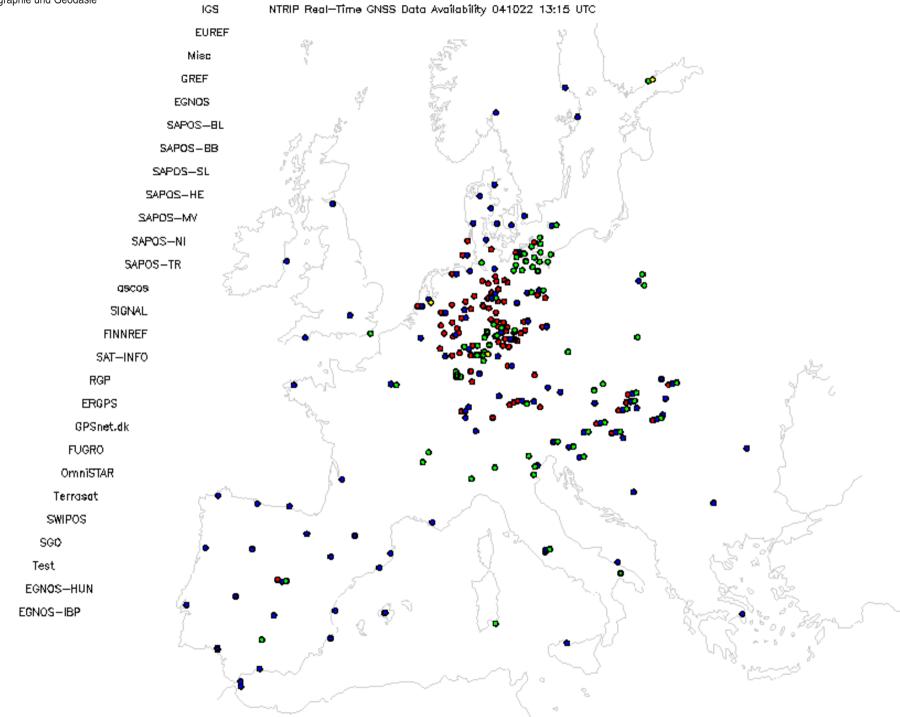


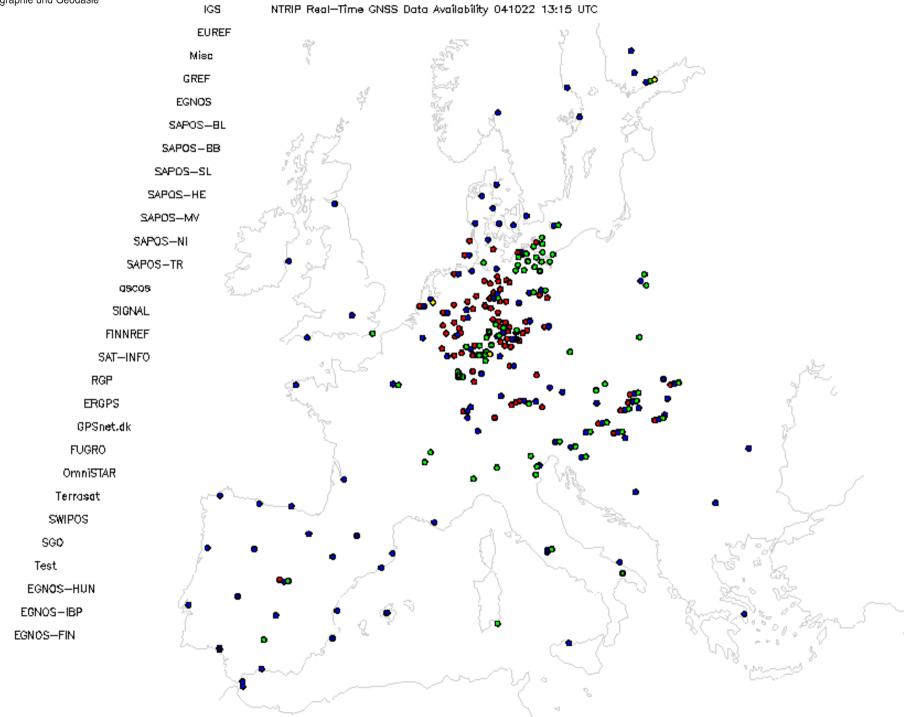






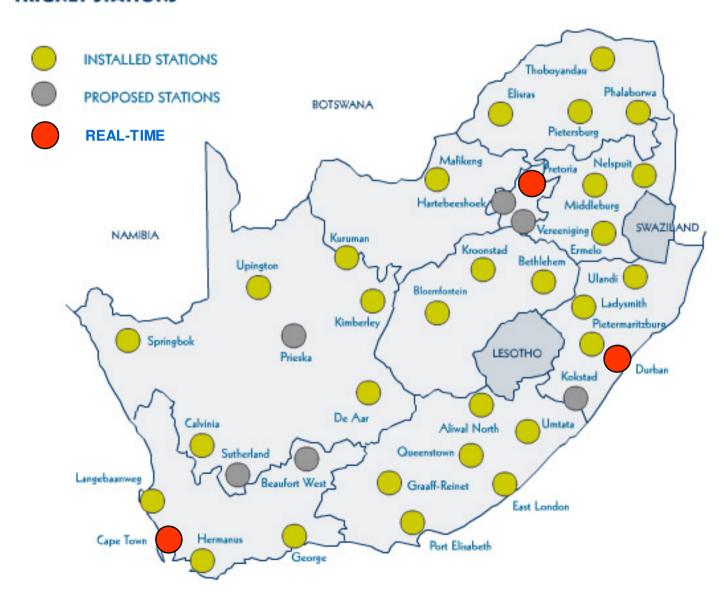


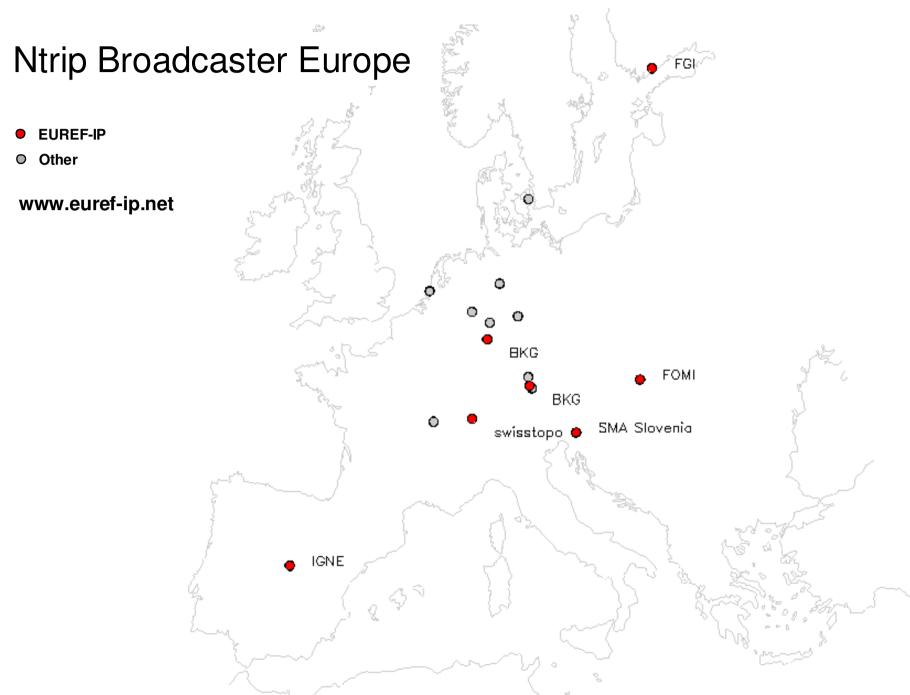




AFREF: TrigNet - South Africa

TRIGNET STATIONS







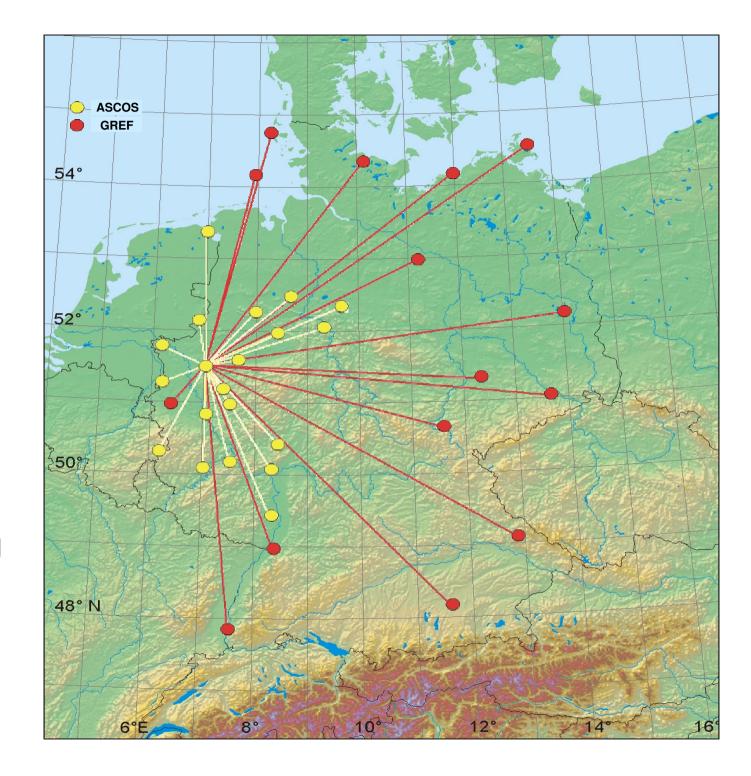
Real-time GNSS Reference Networks





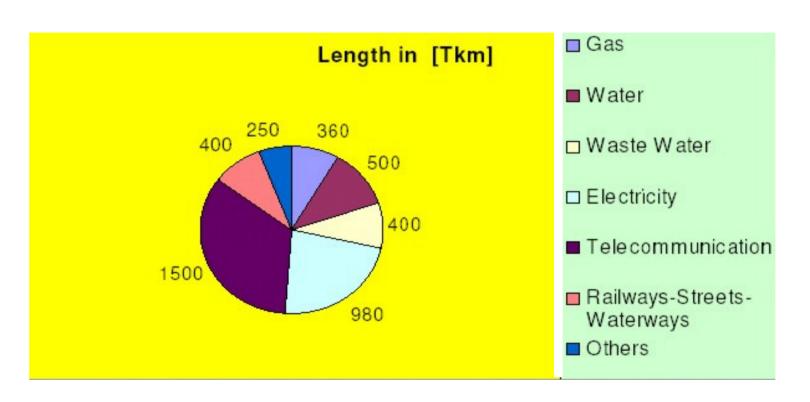
ETRS89

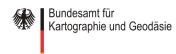
Post-Processing and Real-time



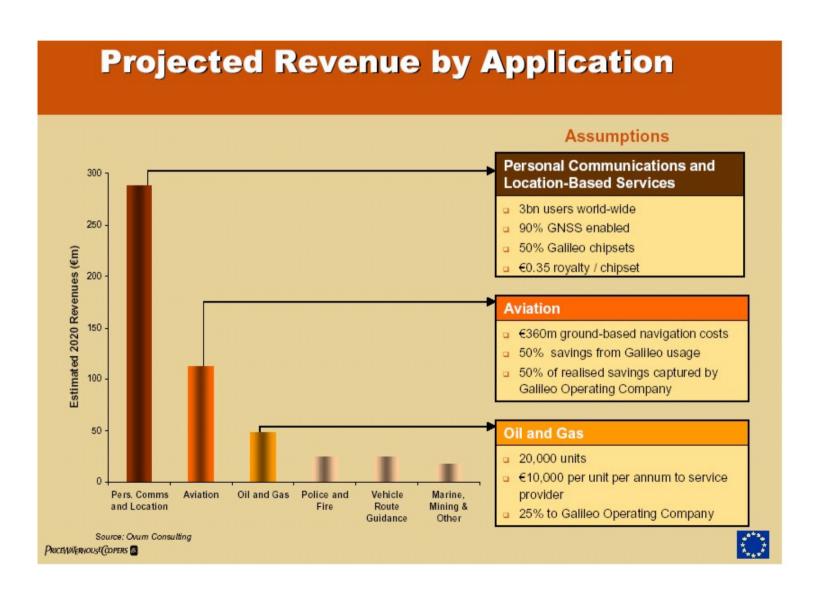
Real-time GNSS Geo-Referencing

Pipeline/Cable Cadaster in Europa

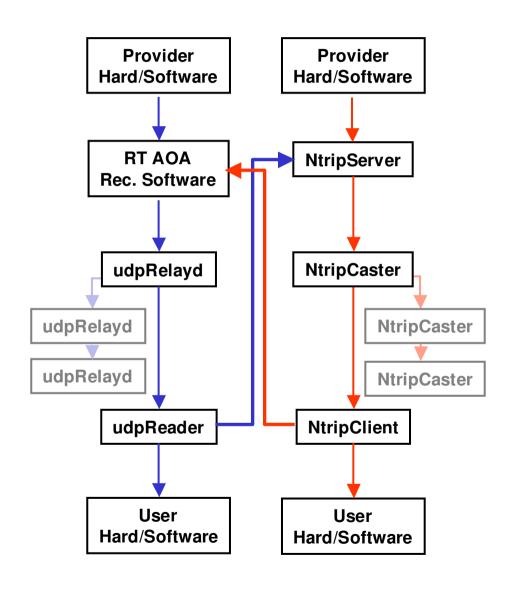




GALILEO



Ntrip-udpRelay - EUREF/IGS Integration Concept

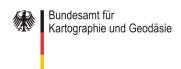




IGS & EUREF

RTIGS "You can state that NTRIP and RTIGS are moving forward towards implementing a model for the exchange of data between the IGS RT model and the NTRIP caster model. You can mention our recent discussion in Long Beach and that although things move slowly progress is being made.

I have been experimenting with the NTRIP linux client"



Real-Time GNSS Ntrip Workshop / Symposium 2 Days - March 05 – Frankfurt am Main

Sessions:

Technique Applications Standard

EUREF-IP in Need for Support

Monitoring Administration Densification

Data Flow

Help Desk

s/w Develop.

Liaison

Outreach

Application

- Outages, Alarm System
- Guidelines, Web
- Raw data, new EPN stations?
- Cascading Broadcasters
- Technical Support
- None Commercial?
- IGS, IAG, RTCM
- Workshop / Symposium
- Real-Time GIS Example



EUREF-IP Status

Current Future Pilot Project
Service with PoC's for

- Administration
- Monitoring
- Broadcaster
- Applications
- Help Desk

•

Ready to educate / train PoC's on-the-Job