



Quality Control and Quality Management of
Failproof High Accuracy GNSS Positioning
Services

(3415)

Richard GEDON, Germany



AGENDA

Introduction
Space Weather
GNSS Satellites
Reference Station Network
Data Lines
Positioning Service Centre
Reliability of Postprocessed Data
Customers Equipment
Conclusion



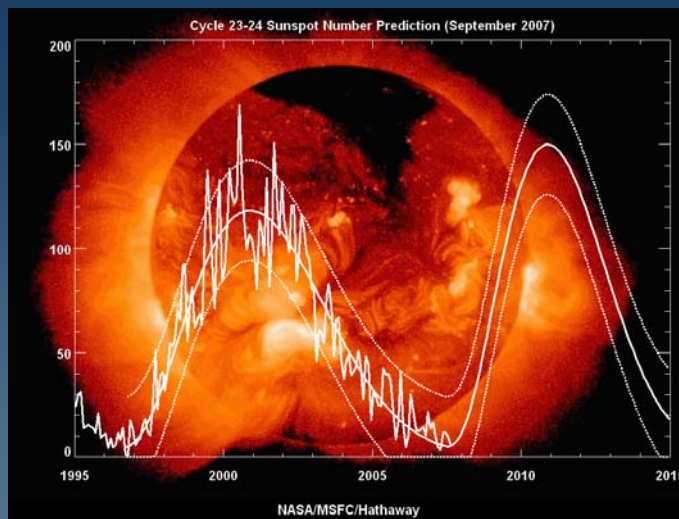
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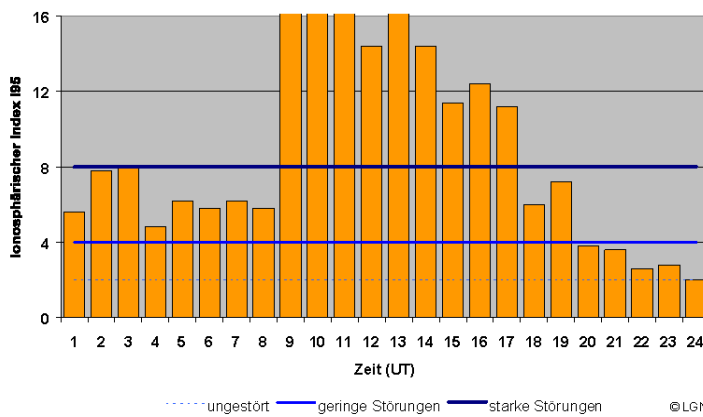


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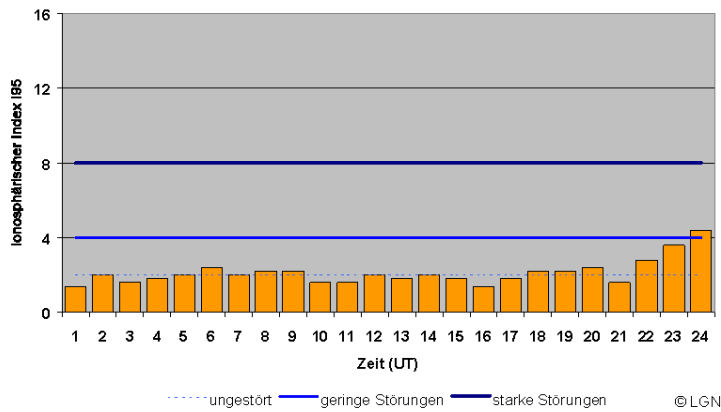
Ionosphärischer Index I95 vom 02.02.2002 (033)
berechnet mit WaSoft/Virtuell 3.0





Ionosphärischer Index I95 vom 02.08.2002 (214)

berechnet mit WaSoft/Virtuell 3.0



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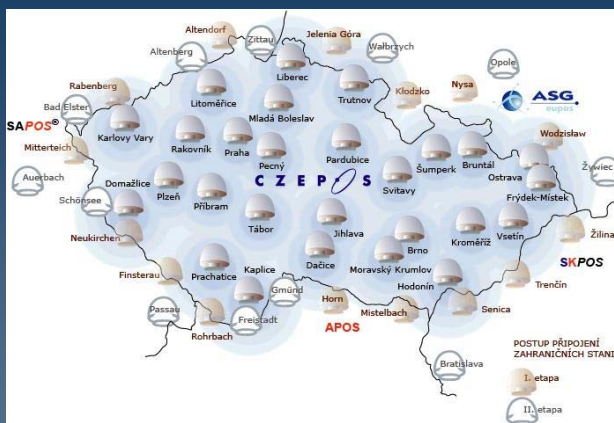
- Military use in the foreground (GPS, GLONASS)
- Commercial use in the foreground (GALILEO)
- Antenna Calibration
- ...



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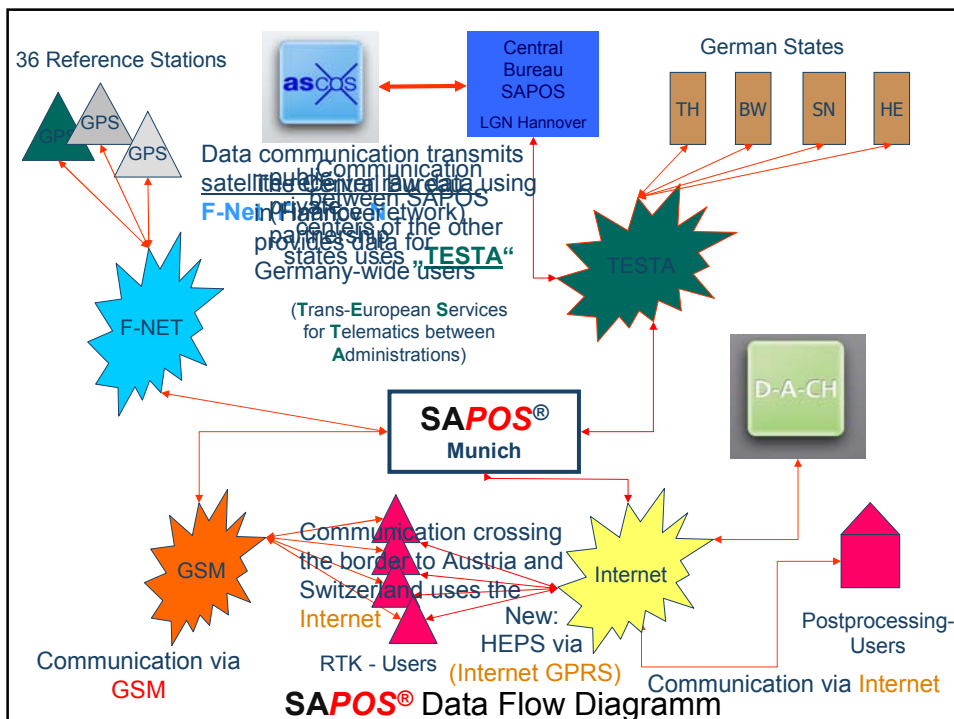
Homogeneity of
Reference Station
Networks





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Failproof data connections

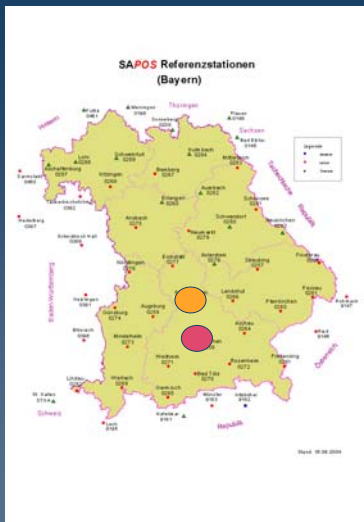
by wire (last mile?)
by radio

Costs



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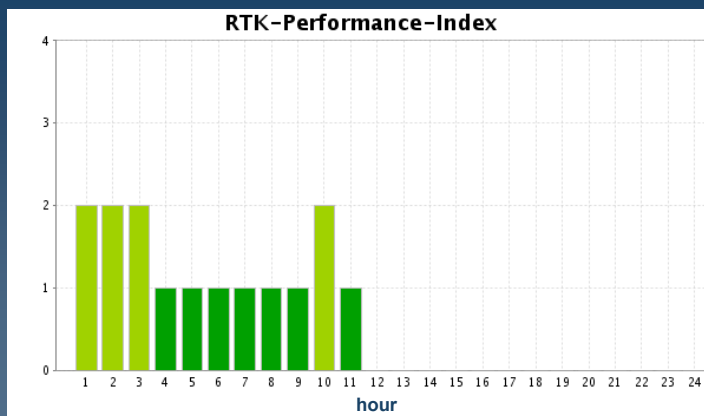
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Redudancy
● existing computing centre
● planned computing centre



●
Test Rover
24 hours
7 days a week
Results are
published
in the Internet



Coordinate Monitoring

- online
- 1 day
- 1 week

High accuracy ephemeris



Documentation
of all activities
in a data base



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RINEX-Data:

Closing data gaps

- automatic
- interactiv

Problems with hardware producers



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Customer Service

All customer informations are
available at the service centre

satellites
DOP
Position
.....



Customer Service

customer information

Newsletter (e.mail)
Information (e-mail, Internet)
Hotline
roadshows
.....



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Thank you for your kind attention

