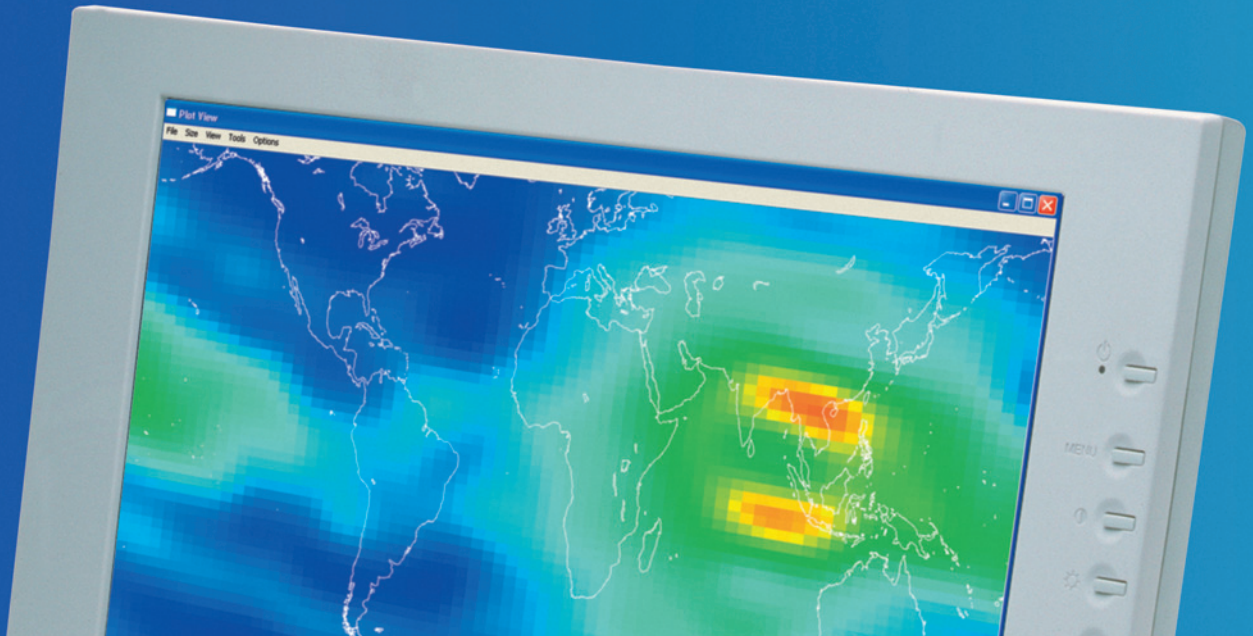


Leica GNSS QC Software For Quality Control and Analysis of GNSS Reference Stations



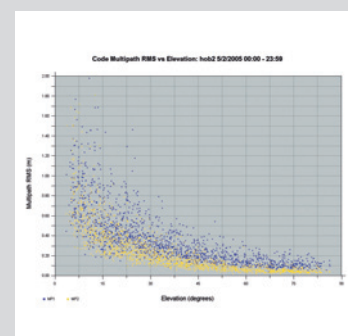
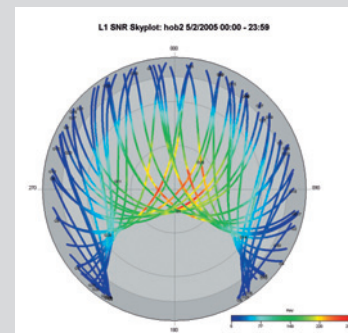
Leica GNSS QC is the first choice in quality monitoring software to compliment Leica GPS Spider or any other network reference station software. It is a stand-alone software that can perform automatic quality checking and reporting of the logged RINEX data. Advanced analysis tools allow detailed site evaluation, receiver performance testing and multipath assessment. Ensure your reference station network is performing at its peak using the comprehensive quality checking features of GNSS QC.

Multi Purpose

- Detailed site evaluation
- Quality control of a GPS/GLONASS reference network
- Receiver performance testing
- Analysis of dual and single frequency data
- Coordinate analysis in real-time and post processing

Suitable For All Reference Networks

- Processes data in the standard RINEX 2.1/2.11 format that is supported by all leading reference station software



- when it has to be **right**

Leica
Geosystems

Detailed Data Inspection

SNR Analysis

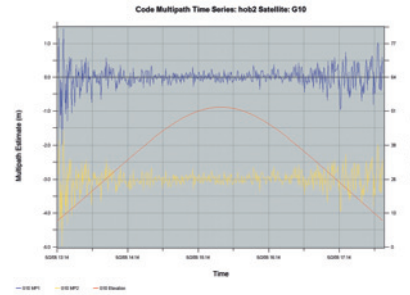
- Numerical summaries and graphical views of signal to noise ratios
- Display SNR as sky plots or as scatter plots against satellite elevation

Multipath Analysis

- Numerical summaries and graphical views of code multipath for both single and dual frequency data
- Display multipath as residuals on a satellite track, time series of residuals together with satellite elevation, RMS on a skyplot, and RMS versus satellite elevation

Quality Check

- Summary of key quality and quantity information
- Rich text (RTF) output
- Critical problems are highlighted for quick analysis



- Includes data completeness, satellite tracking, cycle slip, multipath, receiver clock and formatting information

Ionosphere Plots

- Use IONEX files from CODE and IGS to make maps of the total electron content
- Make animated or static maps
- Display day/night, annotations and geomagnetic equator

Automated Analysis of GNSS Reference Station Data

Reference station networks generate vast amounts of data. To make a detailed analysis of this data is not possible without sophisticated analysis and reporting tools. Leica GNSS QC offers a comprehensive suite of tools tailored to the inspection, alarming, display and distribution of quality data relating to the data products of a reference network. Status information is available at a glance using traffic light symbols and other graphics. For more detailed investigations a range of rich text reports, web pages and graphs can be created as necessary.

Automatic Quality Check

- Scheduled processing of RINEX files generated by a reference network
- Set thresholds to govern the test criteria for the quality check
- Email, SMS and command line messaging and events when specified test criteria fail
- Individual reports generated for each file processed
- Results stored in a database for generation of graphs, reports and web pages

Status Information and Web Page

- User-definable traffic light status displays based on the results of the most recent data processed for each station
- Customizable web page to display key information such as: traffic light status, quality plots, file-by-file quality information and file availability

Graphs and Reports

- Make graphs of key quality indicators for each station, such as cycle slips, multipath, data completeness, data latency and many more
- Create rich text reports that show summary information or detailed results of data processing, such as statistics of pass/fail tests, average values for key quality indicators and file-by-file results of the quality check

Deformation Analysis

- Graphically display displacements and traffic light status at up to 20Hz for deformation and station integrity monitoring
- Direct link to Leica GPS Spider Positioning and Post Processing for easy configuration
- Supports standard NMEA formats (GGA, GGG, LLQ)

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