

GNSS Solutions™



The Solution for all GNSS Survey Data

Features:

- Comprehensive software package
- Process GPS, GLONASS and SBAS survey data
- Intuitive user interface

A Single Program For All Applications

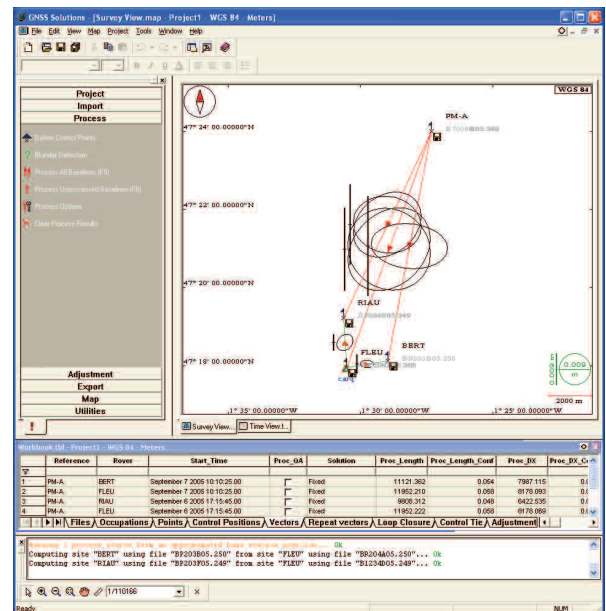
GNSS Solutions™ software is the indispensable tool for all surveyors who need to efficiently and smoothly conduct their GNSS surveys. GNSS Solutions post processing gives optimal results from any combination of static, rapid static or kinematic data. The software supports a wide range of surveying applications, handling both real-time and post-processing data within the same project thus opening new horizons to surveyors.

Intuitive Handling Of Graphical Data

GNSS Solutions software is organized around a powerful database which holds all the data created or collected at different stages during user projects. Map design, survey and time views enable an optimum overview of large projects. Any collection of data can be viewed in different forms through simple drag and drop operations. The documents created include tables, maps or graphs and are all attached to the project. Compatibility with the OpenGIS standard format allows easy data flow to numerous GIS software packages. Importing raster or vector map formats allows surveyors to open background projects and combine them with land survey projects.

Easily Adaptable To Local Requirements

GNSS Solutions is available in six languages enabling the user to install the language of their choice. Numerous mapping projections and local coordinate transformations are available, allowing users to easily modify them according to their own needs. Users may create individual report files in order to comply with national standards.



GNSS Solutions Technical Specifications

Applications

- Topography
- Geodesy
- Construction
- GIS surveys

Main functions

Real-time survey

- Interactive communication with handheld survey controller
- Coordinate transformation using a large set of predefined coordinate systems
- Display and analysis of survey results
- Capability to import vector/raster images as background maps
- Data export (ASCII user defined, NMEA, CR5, CRD, DXF)
- Report generation (RTF documents)

Post-processing survey L1 & L1/L2 GPS/Glonass/SBAS

- Automatic project control with optimized default settings
- Modes: Static, Rapid Static, Stop&Go Kinematic, Continuous Kinematic
- Occupations tab (Files vs. Time)
- Raw data plots
- Configurable quality assurance test
- Precise orbits, clocks, ionospheric grids
- Long baselines (up to 1000 km)
- VRS

Feature code processing

- Processing, editing and attributing of any point, line or area feature
- Easy conversion to CAD programs using dxf layers

Data views

- Survey
- Time
- Table
- All views can be combined

Network adjustment

- Blunder detection including Chi-Square and Tau tests
- Display of precision results in graphical form
- Testing network adjustment using control points

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Mission Planning Utility

- Importing and viewing sets of almanacs
- Prediction point easily defined using the graphical world map editor
- Numerous viewing options (schedule, range, doppler, elevation, azimuth, DOP)

Receiver Commands Utility

- Enabling communications with a GPS receiver
- Sending commands to a GPS receiver
- Programmable GPS recorder

Project Management Utility

- Back up projects
- Restore projects
- Delete projects
- Change project folder

Datum Transformation and Map Projection Utility

- Support of all major world projections
- Support of numerous national transformations
- Support of user coordinate calibration
- Intuitive loading of projection files into project and handheld controller

Geoids Utility

- Selecting a geoid from a list of models
- Extracting regions from a geoid model
- Importing new geoid models
- Uploading a geoid model into a receiver

Rinex Converter Utility

- Rinex to Ashtech (for ProMark 3)
- Rinex to ATOM (for ProMark 500/ProFlex 500)
- Ashtech to ATOM
- OPUS compliant

Internet Download

- RINEX data
- Automatic connection to an internet page with user-definable address
- Automatic RINEX extraction and import by date and time
- Merging of two or more RINEX files
- Precise clocks
- Precise ionospheric grids
- Precise ephemeris

System requirements

- Pentium® 233 MHz min, 300 MHz recommended
- Operating System: Windows® 2000 / XP / Vista
- RAM: 64 MB min, 128 MB recommended
- Recommended space on hard disk: 300 MB

Languages Supported

- English
- French
- German
- Portuguese
- Russian
- Spanish

