

KEY FEATURES

Optimize your field-to-office workflow

Work with GNSS data directly in your personal geodatabase

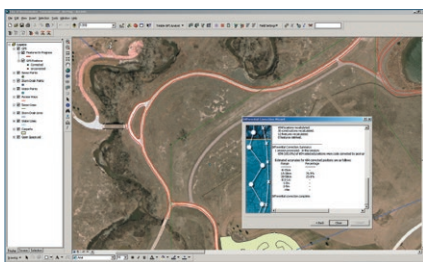
Differentially correct to improve GNSS accuracy

H-Star data collection for high accuracy with the Trimble Pro 6H receiver or GeoXH handheld

Supports GLONASS postprocessing for data collected with supported receivers and handhelds

Store detailed information about the quality of your GNSS data

Extend and customize with ArcObjects



STREAMLINED GNSS DATA PROCESSING INSIDE ESRI ARCGIS

Take a giant leap forward in productivity and improve your data quality with Trimble® GPS Analyst™ extension for Esri ArcGIS for Desktop software. Trimble GPS Analyst extension optimizes your field-to-office workflow by allowing you to work directly with GNSS data inside your personal geodatabase. And because the extension comes with a package of powerful GNSS postprocessing tools, incorporating Trimble DeltaPhase™ differential correction technology, you can be sure you have GNSS data that is consistent, reliable, and accurate.

Get the best possible accuracy

Trimble GPS Analyst extension allows you to differentially correct your GNSS data directly inside Esri ArcGIS for Desktop software. Depending on the environment and your GNSS receiver, postprocessing gives significant improvements on your autonomous accuracy all the way down to decimeter (10 cm / 4 inch) level.

Trimble GPS Analyst extension supports the complete Trimble Mapping and GIS GNSS receiver portfolio and most handheld computers, as well as associated positioning technologies such as Trimble H-Star™.

Trimble GPS Analyst extension's powerful Integrity Index grading system provides a list of monitored base data providers from around the world—helping you select the best quality base data to use when differentially correcting your data.

Have confidence in your data

You use your GIS every day to make critical decisions, so you need to know that you can trust your data.

Trimble GPS Analyst extension allows you to specify the GNSS accuracy required for each feature class. Once you have processed your GNSS data, the extension quickly checks that feature positional accuracy matches your criteria, and helps you to fix or flag any exceptions.

Plus, Trimble GPS Analyst extension stores detailed information about the source and quality of each and every GNSS position in the geodatabase, and provides powerful tools for querying and analyzing this information.

Maximize your productivity

Say goodbye to unnecessary file conversions—with Trimble GPS Analyst extension you can effortlessly bring GNSS data straight from the field into the geodatabase. The extension offers a seamless workflow for Esri ArcPad software with Trimble GPSCorrect™ extension for Esri ArcPad software. Check data out; use, verify, and update the data in the field using Esri ArcPad and Trimble GPSCorrect extension; and then check updated data back in. There are no extra steps or complicated procedures to follow.

You can even work directly with data from Trimble TerraSync™ software for an alternative data collection and maintenance solution.

Now, all your GNSS processing needs are met within Esri ArcGIS for Desktop. It's the GIS environment you know—so expect to become more productive immediately, and with only minimal training.

Open up to the possibilities

As an open extension to ArcObjects, Trimble GPS Analyst extension can easily be extended and adapted to match your data processing needs. If you have your own field solution, write a plug-in that takes advantage of GPS Analyst extension's versatile data processing tools.

Let Trimble GPS Analyst extension for Esri ArcGIS for Desktop improve your data accuracy and your field-to-office workflow by making GNSS data an integral part of your GIS.

TRIMBLE GPS ANALYST EXTENSION FOR ESRI ARCGIS FOR DESKTOP SOFTWARE

FEATURES AND OPTIONS

Work within the GIS

- Manage, view, and edit GNSS data inside Esri ArcGIS for Desktop software
- Improve productivity by eliminating extra file conversions and processing steps outside the GIS
- Quickly and easily validate position accuracy against requirements set in the feature class

GNSS accuracy

- Improve GNSS position accuracy with differential correction of data from supported Trimble GNSS receivers, including GLONASS postprocessing
- Store complete QA/QC information for GNSS data

Extensible

- Extend and tailor core GPS Analyst extension functionality
- Develop plug-ins to support other GNSS receivers
- Customize tools and forms to suit your requirements

Required software

GPS Analyst extension for Esri ArcGIS for Desktop software version 2.40 requires ArcGIS for Desktop Advanced or ArcGIS for Desktop Standard version 10 to be installed

Required hardware

System requirements are determined by the Esri ArcGIS for Desktop product version and platform configuration you are using. Please refer to the applicable Esri ArcGIS for Desktop specifications at www.esri.com/arcgis. In addition, GPS Analyst extension for Esri ArcGIS for Desktop requires:

Free disk space 25 MB
Input/output RS-232 serial port and/or USB port

Available languages

- English

Field software options

- Trimble TerraSync software
 - Esri ArcPad software with Trimble GPSCorrect extension
 - Applications developed using Trimble GPS Pathfinder® Field Toolkit
- Only data collected with supported Trimble receivers can be differentially corrected with GPS Analyst extension.

GNSS RECEIVERS AND ACCURACY SPECIFICATIONS

Typical autonomous accuracy for all Trimble Mapping & GIS GNSS receivers is approximately 10 meters. Differentially corrected accuracy specifications for supported receivers range from 1 cm to 2 m–5 m.

Refer to the Mapping & GIS product comparison (www.trimble.com/mappingGIS/product-comparison) or to the relevant datasheet for full details.

SUPPORTED DATA FORMATS

Data storage format

- Esri ArcGIS personal geodatabase (Microsoft® Access MDB only)

Check out/check in formats

- Esri Shapefiles from ArcPad with Trimble SSF files from GPSCorrect extension¹
- Esri AXF files from ArcPad with Trimble SSF files from GPSCorrect extension²

Import formats

- Esri Shapefiles from ArcPad with Trimble SSF files from GPSCorrect extension
- Trimble SSF files

Export formats

- Trimble SSF files

SUPPORTED BASE FILE AND COMPRESSION FORMATS

Base file formats

- Hatanaka (Compressed RINEX)
- RINEX
- Trimble DAT format
- Trimble SSF format

Compression types

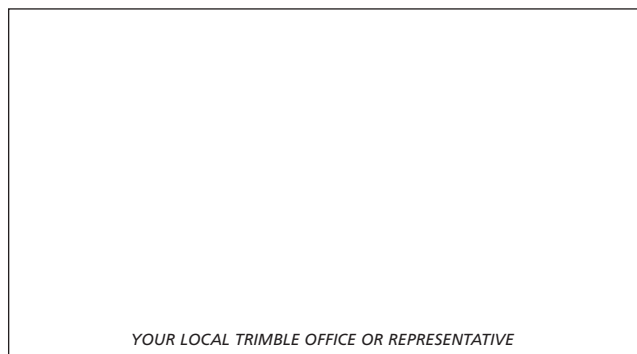
- GZip (.gz)
- Self-extracting executable (.exe)
- Zip (.zip)

¹ Esri ArcPad software version 8 only.

² Esri ArcPad software version 8 and 10 only.

Specifications subject to change without notice.

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