GPS Processing within the Geodatabase

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Seiler Instrument
Field Hardware Options
Real-time DGPS

Navigation

Data verification

<1-5m
Post processed DGPS

Data acquisition

<20cm - 5m
Why postprocess your data?
Differential Correction Improves positions accuracies in your data

- Provides better GPS accuracy for your data

Light blue
GPS collected data prior to differential correction

Dark blue
GPS after differential correction
What is GPS Analyst?

- ArcGIS Desktop extension that allows you to work directly with GPS data
GPS Analyst Data Flow

- Differentially correct
- Query and analyze GPS data
- Validate GPS position accuracy
Key features

- View, edit, and analyze GPS data directly inside ArcMap
Key features

- Improve productivity by eliminating extra file conversions
  - Direct check-out and check-in of data from ArcPad + Trimble® GPScorrect™ extension for ESRI ArcPad
  - Import and export files from TerraSync™ in ArcCatalog
Key features

- Improve GPS position accuracy by postprocessing data
  - Using Trimble’s proven differential correction engines
  - With automatic base file search and download from the Internet
Key features

- Have confidence in the quality of your data
- Store detailed information on every GPS position
Key features

- Ensure features meet your required accuracy
  - Run validation on GPS positions
  - Rebuild features that do not meet the accuracy requirement
Use the GPS Analyst extension to:

- View, edit, and analyze GPS data directly inside ArcMap
- Create custom data processing applications and workflows
- Store detailed information on every GPS position
- Validate and rebuild features to ensure they meet your accuracy requirements
- Eliminate extra file conversions
- Improve GPS position accuracy by post-processing data
Thank You

For more information:

www.Trimble.com
www.ESRI.com