ESRI
380 New York Street
Redlands, California 92373-8100
Phone: 909-793-2853, extension 1-4441
Fax: 909-307-3046

A special offer of Trimble's GPS Analyst for ArcGIS® Desktop for U.S. customers only. Also an offer for customers who already have Pathfinder Office Software and want Trimble's GPS Analyst for ArcGIS Desktop

GPS Analyst is an ArcGIS extension from Trimble for users who collect and use GPS data in ArcGIS. GPS Analyst enables you to refine, validate, and improve the accuracy of GPS data collected from various field collection devices including ArcPad® with GPScorrect software and Trimble's TerraSync. GPS Analyst also supports direct GPS data collection using supported Trimble and NMEA-based receivers.

Item 68966—GPS Analyst for ArcGIS Desktop **Unit Price: $1,995**

For product specifications see trl.trimble.com/docushare/dsweb/Get/Document-180936/022501-011F_GPS%20Analyst_DS_0506_lr.pdf

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Already have Pathfinder Office software and want Trimble's GPS Analyst for ArcGIS Desktop?

There is a conversion program available for customers who are currently using GPS Pathfinder Office software and want to convert to Trimble's GPS Analyst for ArcGIS Desktop. Orders for the GPS Pathfinder Office to GPS Analyst conversion must be accompanied by a valid GPS Pathfinder Office software serial number.

***Item POGA*—GPS Pathfinder Office to GPS Analyst Conversion** **Unit Price: $995**

For customers unfamiliar with differential correction, it is highly recommended that Trimble's Priority Support be purchased.

***Item 94572*—Trimble's Priority Support** **Unit Price: $595**

Priority Support enables you to contact Trimble experts who will answer your questions within one business day. Priority Support gives you 12 months' support for one registered contact. Your support requests will be dealt with directly by an authorized Trimble Support representative who will assist you with GPS Analyst.

***Item 102227*—GPS Analyst Software Warranty Enhancement Extension** **Unit Price: $295**

GPS Analyst comes standard with a 12-month software warranty that entitles you to receive all new GPS Analyst software releases that occur within 12 months of your purchase. Eligibility can be extended for additional 12-month periods by purchasing this GPS Analyst Software Warranty Enhancement Extension.

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ESRI QUOTATION TERMS AND CONDITIONS

These prices and terms are valid only for items purchased and delivered within the United States excluding Guam, Puerto Rico, and the Virgin Islands.

This quotation information is proprietary and may not be copied or released other than for the express purpose of system selection and purchase. This information may not be given to outside parties or used for any other purpose without written consent from ESRI.

ORDER PROCESS

The order process is initiated when ESRI receives an original purchase order or some form of advance payment. Several additional documents (e.g., credit application, if not using credit card, and tax exemption certificate) are required to complete the order.

IMPORTANT! Collectively, these documents contain the authorizations and information necessary to ship proper versions of the software on the correct media. Please return them promptly to avoid unnecessary delays in shipping. Please return all documents by mail, express courier, or as otherwise directed.

Please show the following remittance address on your purchase order:

ESRI, File #54630, Los Angeles, CA 90074-4630

DELIVERY

FOB ORIGIN

Software: Allow 30 days from ESRI's receipt of purchase order, signed software license agreement(s), and other documents, as required.

Hardware: Manufacturer's terms apply. Lead times depend on make/models purchased.

Standard delivery method is ground or two-day air for software and surface carrier for hardware. Actual delivery method may vary depending on weight. Other service is available for an additional fee (e.g., overnight delivery).

PAYMENT TERMS

Net 30 days, on approved credit.

WARRANTY

Warranty and service are provided by manufacturer(s).

TAXES

Prices quoted do not include applicable sales or use taxes unless so stated. In preparing your budget, please allow for applicable sales tax. ESRI reserves the right to collect sales tax assessed by states as required by law. ESRI will add state sales tax to the invoice unless ESRI is shown proof with the order that your organization is tax exempt or pays state tax directly.

ESRI collects and pays sales tax in Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, and Wisconsin. In preparing your budget, please allow for applicable sales tax. ESRI reserves the right to collect sales tax assessed by additional states as required by law.

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Redlands, California 92373-8100
909-793-2853

Trimble's GPS Analyst for ArcGIS® Desktop Special Offer Domestic Order Form

9/8/08

ORDERED BY	
Organization	
Date of Order	P.O. No.
Phone	Fax
Contact	ESRI Customer No.

BILL TO	
Organization	
Department	P.O. No.
Address	
Attention	
Phone	Fax
E-Mail	

SHIP TO	
Organization	
Department	
Address	
Attention	
Phone	Fax
E-Mail	

Qty.	Description	Unit Price	Total
	Item 68966—Price for 1 license of Trimble's GPS Analyst for ArcGIS Desktop	$1,995	
	Item POGA—GPS Pathfinder Office to GPS Analyst Conversion— ***Please provide software serial number of GPS Pathfinder Office software.	$995	
	Item 94572—Trimble's Priority Support	$595	
	Item 102227—GPS Analyst Software Warranty Enhancement Extension	$295	
		Subtotal	
		Shipping	Included
		Sales Tax*	
		Total Due ESRI	

THANK YOU FOR YOUR ORDER!

* Please add appropriate sales tax in the states of AL, AZ, CA, CO, CT, FL, GA, HI, IL, IN, KS, MA, MD, MI, MN, MO, NC, ND, NE, NJ, NM, NV, NY, OH, OK, PA, SC, TN, TX, UT, VA, VT, WA, and WI. ESRI reserves the right to correct sales tax rates and/or collect the sales tax assessed by additional states as required by law, without notice. Items may be shipped separately.

FAX YOUR ORDER TO

800-330-7053

ATTN.: Customer Service/Kelly Campos

ESRI

380 New York Street • Redlands, CA 92373-8100

NOTES

A. If submitting a purchase order, a credit application will need to be completed if one is not already on file with ESRI.

PAYMENT OPTIONS:

(a) Enclose a check payable to ESRI with this form.
(b) Complete credit card authorization information below.
(c) Enclose a completed purchase order with this form.
We will not ship without payment or purchase order enclosed.
Acceptance of purchase order is based on credit approval.

CREDIT CARD AUTHORIZATION					
Card Number	Check One				Expiration Date
	AMEX	**Disc.**	**MC**	**Visa**	
Cardholder Signature	Approval Code (ESRI use only)				
Cardholder Printed Name					

IN-HOUSE USE
ORIGINATED BY _____ DEPT. _____ PHONE _____ CLIENT'S REQUEST $ _____

ESRI
CREDIT APPLICATION
COMPANY INFORMATION

COMPANY NAME: _____ TELEPHONE: _____
DBA: _____ FAX: _____
ADDRESS: _____ CONTACT: _____
_____ TAX EXEMPT: YES/NO. IF YES, PLEASE ATTACH
_____ COPY OF EXEMPTION CERTIFICATES FOR ALL STATES.
LENGTH OF TIME IN BUSINESS: _____ FEDERAL ID NO.: _____
NUMBER OF EMPLOYEES: _____
_____ CORPORATION _____ PROPRIETORSHIP _____ PARTNERSHIP
IF A CORPORATION, IN WHAT STATE INCORPORATED: _____
DATE OF INCORPORATION: _____
PRESIDENT: _____ VICE PRESIDENT: _____
PARTNER'S NAME(S): _____ _____
PERSONS WITH CORPORATE SIGNATORY AUTHORITY: _____
_____ _____
COMPANY CLASSIFICATION: _____ FORTUNE 500 _____ UNIVERSITY, COLLEGE, OR PUBLIC SCHOOLS
_____ LOCAL, STATE, OR FEDERAL GOVERNMENT _____ NONE OF THE ABOVE
BRIEFLY DESCRIBE YOUR COMPANY'S FUNCTION: _____

BANK REFERENCE

(Please list all banks and banking account numbers; attach additional pages if necessary.)

BANK NAME: _____ TELEPHONE: _____
ADDRESS: _____ CONTACT: _____
_____ CHECKING ACCOUNT NO.: _____
_____ OTHER ACCOUNT NO.: _____
LOAN NO.: _____

VENDOR REFERENCE

(PROVIDE 5)

NAME: _____ NAME: _____
ADDRESS: _____ ADDRESS: _____
_____ _____
TELEPHONE: _____ TELEPHONE: _____

NAME: _____ NAME: _____
ADDRESS: _____ ADDRESS: _____
_____ _____
TELEPHONE: _____ TELEPHONE: _____

NAME: _____
ADDRESS: _____
_____
TELEPHONE: _____

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC. (ESRI), PAYMENT POLICY:
NET 30 DAYS, 1.5 PERCENT LATE FEE PER MONTH AFTER 30 DAYS.

BY SIGNING BELOW, COMPANY CERTIFIES AND ATTESTS FINANCIAL RESPONSIBILITY FOR ANY AND ALL CORRECT ESRI INVOICES TO COMPANY AND ITS ABILITY TO PAY SUCH INVOICES IN ACCORDANCE WITH ESRI'S PAYMENT POLICY. COMPANY FURTHER AGREES TO PAY REASONABLE ATTORNEY'S FEES, PLUS INTEREST, IN THE EVENT OF DEFAULT IN PAYMENTS IN COMPLIANCE WITH ESRI POLICY. THE INFORMATION CONTAINED HEREIN IS ONLY FOR THE PURPOSE OF OBTAINING CREDIT AND AUTHORIZES ESRI TO OBTAIN INFORMATION CONCERNING COMPANY'S CREDIT STANDING.

PLEASE FAX TO ESRI CREDIT ANALYST AT 909-307-3031 *AND* MAIL ORIGINAL.

BY: _____ DATE: _____

Trimble GPS Analyst extension for ArcGIS Desktop—Frequently Asked Questions

What is GPS Analyst?
Trimble® GPS Analyst™ is an extension to the ESRI ArcGIS software that allows you to work directly with GPS data inside your GIS environment. GPS Analyst provides functionality for importing, differentially correcting, viewing, and editing GPS data.

What are the key features of GPS Analyst?
With GPS Analyst you can:

- View, edit, and analyze GPS data inside ArcMap™ and ArcCatalog™
- Improve productivity by eliminating extra file conversions and processing steps outside the GIS
- Improve GPS position accuracy by differentially correcting data from supported Trimble GPS receivers
- Check data out to Shapefiles for update in the field with ArcPad and GPScorrect™, then check new and updated features and GPS positions back into the geodatabase
- Import data from SSF files created with the TerraSync™ software or applications developed with the GPS Pathfinder® Tools software development kit (SDK)
- Set up and run validation on GPS positions to ensure features meet the required accuracy
- Store detailed quality information for GPS data
- Take advantage of the tools and functions of ArcMap to perform additional GPS data analysis, such as overlaying GPS data with other data layers
- Use ArcGIS with a Trimble or NMEA GPS receiver in the field to collect features and GPS data directly into the geodatabase
- Develop extensions to support other GPS receivers for in-field data collection or even for postprocessing GPS data
- Use ESRI ArcObjects™ to customize GPS Analyst work flows and data processing to suit your requirements

What field software does GPS Analyst work with?
GPS Analyst supports GIS/GPS data collected with the following field software applications:

- ESRI ArcPad with GPScorrect extension
- TerraSync
- ArcGIS with GPS Analyst extension
- Applications developed using GPS Analyst's COM object interface
- Applications developed using the GPS Pathfinder Tools software development kit (SDK)

Currently, differential correction is only available if the field data was collected using one of the following supported Trimble GPS receivers:

- GPS Pathfinder Power
- GPS Pathfinder Pro XR
- GPS Pathfinder Pro XRS
- GPS Pathfinder Pocket
- GeoXT™ handheld
- GeoXM™ handheld
- GeoXH™ handheld

As an open extension to ArcObjects, GPS Analyst can also be extended to add support for differential correction of data from other GPS receivers, if they can provide the necessary data to the geodatabase.

What GPS receivers does GPS Analyst work with?
You can use GPS Analyst to collect GPS data directly to the geodatabase with the following Trimble GPS receivers:

- GPS Pathfinder Power
- GPS Pathfinder Pro XR
- GPS Pathfinder Pro XRS
- GPS Pathfinder Pocket
- GeoXT handheld
- GeoXM handheld
- GeoXH handheld

GPS data from supported Trimble receivers can be differentially corrected in GPS Analyst. In addition, GPS Analyst supports data collection in the field with ArcGIS from NMEA compliant GPS receivers. Any NMEA receiver that meets the following requirements is supported:

- Outputs both the GPGSA and GPGSV sentences
- Outputs one of the following sentences: GPGGA, GPGLL, or GPRMC
- Outputs positions in the WGS-84 datum

GPS data from NMEA receivers cannot be differentially corrected.

What is NMEA?
NMEA is an open industry-standard established by the National Marine Electronics Association (NMEA). The NMEA standard defines a format for communicating data collected or computed by a GPS receiver to an external device. For more information on the NMEA standard, go to www.nmea.org/pub/index.html.

What is differential correction?
Differential correction improves accuracy by removing many of the errors in GPS data. During differential correction, GPS data collected on a field device (the rover) is compared with data collected simultaneously at a known location (the base). Because the base data is collected at a known location, any errors can be measured, and the necessary corrections can then be applied to the rover data.

What is an SSF file?
SSF (Standard Storage Format) is a file format commonly used by Trimble Mapping & GIS software. Trimble's TerraSync and GPScorrect software, and applications developed with the GPS Pathfinder Tools SDK, store data in SSF files. You can use GPS Analyst to import SSF files directly into the geodatabase.

Where can I find out if there is a base station in my area?
Trimble maintains a list of monitored base stations around the world that provide base data over the Internet. When you use the Differential Correction wizard in GPS Analyst, you can view this list and easily choose the base station closest to you, or one that is providing the best quality data. Alternatively, go to www.trimble.com/trs/findtrs.asp to see a list of Trimble Reference Stations available worldwide.

I use ArcPad. What does GPS Analyst do for me?
GPS Analyst extends the ArcPad support offered today in ArcMap. If you use the Trimble GPScorrect extension with ArcPad, GPS Analyst allows you to automatically check in GPS data collected by GPScorrect when you check in ArcPad Shapefiles. Then, you can easily differentially correct your GPS data, and re-build your GIS features using the corrected positions, all inside ArcGIS.

I use TerraSync. What does GPS Analyst do for me?
With GPS Analyst, you can import SSF files created in the TerraSync software directly into the geodatabase. When you've finished working in the field, use the Trimble Data Transfer utility to transfer files from your field computer to the office computer. Then, with the GPS Analyst extension, you can simply import the files into ArcCatalog. Differentially correct, validate, and do your quality analysis all inside the geodatabase. If you need to take data back out in to the field, simply export the data to SSF files, and again use the Data Transfer utility to transfer the data to your field computer. Data Transfer is a free utility. It is provided on the GPS Analyst CD, and is also available from www.trimble.com/datatransfer.html.

What are the differences between GPS Analyst and GPS Pathfinder Office?
The GPS Pathfinder Office software provides office processing functions for GPS data collected with Trimble field software. It includes tools for differentially correcting, editing, and inspecting Trimble SSF files, and tools for converting between SSF and a number of GIS formats.

GPS Analyst implements similar functionality inside an ArcGIS geodatabase. GPS data can be added to the geodatabase by importing existing Trimble SSF files, by checking in ArcPad Shapefiles, or even by taking ArcGIS into the field on a laptop computer or Tablet PC with a GPS receiver, and logging features directly to the geodatabase.

Once it is collected or imported, GPS data can be differentially corrected, edited, and viewed within the geodatabase. There are no extra steps once GPS data analysis is complete. For example, the data does not have to be exported or converted to the GIS format, because it is already in the GIS.

GPS Pathfinder Office contains some features that are not provided in GPS Analyst, such as mission planning and carrier phase differential correction. Other functionality, including SSF file manipulation, data dictionary creation, and data conversion for a range of GIS and database formats, is not provided by GPS Analyst because it is not required in the ArcGIS environment or is already provided by existing ArcGIS functionality.

What GIS software do I need to run GPS Analyst?
GPS Analyst requires version 8.3, 9.0, or later of ArcGIS Desktop (ArcView®, ArcEditor™, or ArcInfo®).

Can GPS Analyst be used with other GIS software?
GPS Analyst works exclusively with ArcGIS Desktop version 8.3, 9.0, and later.

Can GPS Analyst be used in an enterprise geodatabase?
GPS Analyst works only in personal geodatabases. Enterprise geodatabase users can check data out to a personal geodatabase to work with GPS Analyst.

What documentation comes with GPS Analyst?
GPS Analyst comes with a Getting Started Guide, including a helpful tutorial to get you under way. In addition, GPS Analyst has an extensive online Help system.

Is training available for GPS Analyst?
For information on GPS Analyst training, please contact Trimble.

How do I get technical support for GPS Analyst?
Technical support for GPS Analyst is available both via online resources and from your local Trimble representative. In addition, Trimble's Priority Support program is available for customers in the U.S.

Can I use GPS Analyst with a non-Trimble GPS receiver?
Yes, GPS Analyst supports both Trimble (TSIP) and industry-standard NMEA GPS receivers as part of the standard product. The GPS data model defined by GPS Analyst will be open and published. GPS vendors will have the opportunity to write extensions or plug-ins to add support for their GPS receivers. Currently differential correction can only be performed on data collected with Trimble GPS receivers. However, because GPS Analyst is an open extension to ArcObjects, it could be extended to add support for differential correction of data from other GPS receivers.

How can developers work with GPS Analyst?
GPS Analyst is an open extension to the ArcObjects model. It extends ArcObjects to support the creation, storage, and processing of GPS data inside a personal geodatabase. Developers can use the open GPS Analyst COM object interface to extend GPS Analyst. They can add support for other GPS receivers or input methods, or customize its core functionality to add tailored work flows, data collection forms, and processing tools.

Does GPS Analyst work with ArcGIS Server?
Currently GPS Analyst is only supported by ArcGIS Desktop products.

What are the differences between GPS Analyst and the ArcMap GPS Support toolbar?
GPS Analyst provides a rich set of tools and functionality for GPS-based data collection and GPS data processing with ArcGIS. The ArcMap GPS Support toolbar allows you to connect to a GPS receiver, display your current GPS position on the screen, and record a tracklog (a "breadcrumb trail" of where you have been) that you can play back. The GPS location can be used for digitizing features. Data recorded using the ArcMap GPS Support tools cannot be stored directly to feature classes in the geodatabase, and cannot be differentially corrected.