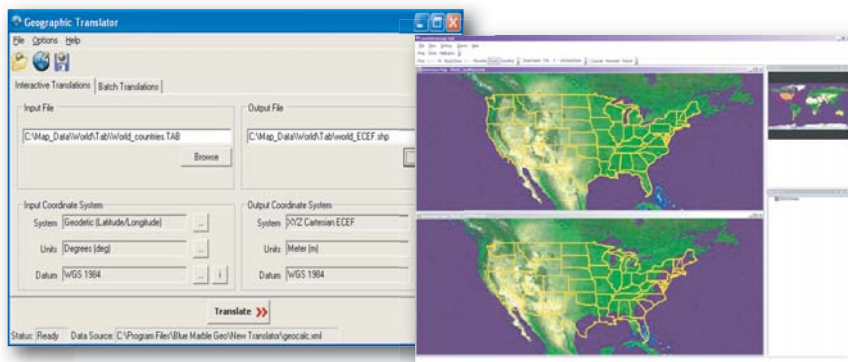


The Geographic Translator™

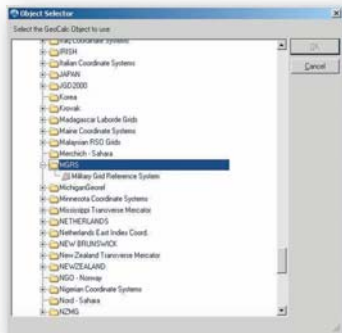
The mapfile conversion tool with "on-the-fly" reprojection!



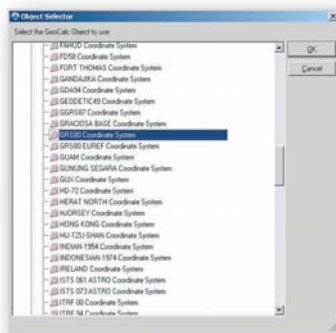
Map File Translation for the Map Files Formats that Matter! ESRI, AutoDesk, Bentley, MapInfo and more.

New user-friendly look and feel!

Geographic Translator allows you to easily view your map files. The coordinate position is displayed for the current mouse pointer position as you explore a map file. Map files are automatically displayed in their native coordinate systems. After you define the source coordinate system for your file, you can then convert the coordinates of the file and translate it into other standard GIS file formats. Define your source/destination coordinate system parameters in Well Known Text (WKT)!



geocentric (grid) coordinate systems



projected coordinate systems

New Features

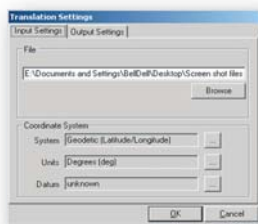
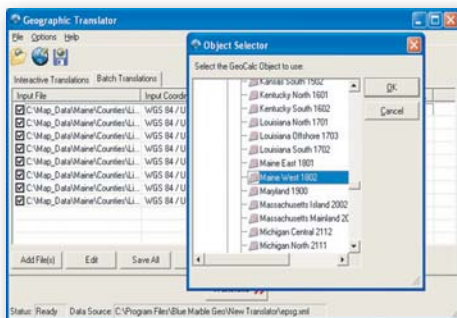
- ◆ Improved DGN support, includes DGN v8.
- ◆ Improved AutoCAD support, now through R2005.
- ◆ Load E00 export files.
- ◆ Read/write coordinate systems in Well Known Text (WKT).
- ◆ New Structure! Powered by GeoCalc and GeoObjects core technology.

The most comprehensive coordinate system database

We support the complete European Petroleum Survey Group database (v6.7), along with pre-defined linear and angular units, ellipsoids, geodetic datums and coordinate systems. Our enhanced coordinate system catalog stores definitions in an XML data source, easily accessible and editable by the user.

File Format Support

- ◆ Shapefiles (through v8.x)
- ◆ E00 export format
- ◆ AutoCAD DXF (through 2006)
- ◆ AutoCAD DWG (through 2006)
- ◆ MapInfo TAB
- ◆ MapInfo Interchange (MIF)
- ◆ Microstation DGN



set up batch translation rules to streamline your translation tasks

Batch Translation

Point the Translator to a directory that contains your map files and automatically translate them, saving your staff considerable time and money. You also can set up special rules for batch translation, saving coordinate system definitions and source/destination file formats.



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(800) 616-2725 Fax: (207) 582-7001
Latitude 44° 13' 47.53" N Longitude 69° 46' 29.11" W

www.bluemarblegeo.com

Features

XML Data Source with Fifteen Object Types

- ◆ Angular Units
- ◆ Linear Units
- ◆ Prime Meridians
- ◆ Ellipsoids
- ◆ Horizontal Datums
- ◆ Cartesian Point Styles
- ◆ Geodetic Point Styles
- ◆ Projected Point Styles
- ◆ Envelopes
- ◆ Datum Shifts
- ◆ Geocentric Coordinate Systems
- ◆ Geodetic Coordinate Systems
- ◆ Fitted Coordinate Systems
- ◆ Projected Coordinate Systems
- ◆ Coordinate Transformations

Total EPSG 6.6 Support

- ◆ 5,667 total EPSG objects
- ◆ 1.3 MB XML data file
- ◆ Nearly 3,000 Coordinate Systems
- ◆ Over 700 Datum Transformations

Batch Translation

- ◆ Translate an entire directory
- ◆ Automatically specify coordinate systems, file formats
- ◆ Click and drag files
- ◆ Select individual files
- ◆ Configure the software to recall batch translation settings

What's Inside

Datum Transformation Methods

- ◆ Molodensky
- ◆ Bursa-Wolfe
- ◆ DMA Multiple Regression Equations
- ◆ NADCON, VERTCON
- ◆ HPGN
- ◆ Canadian National Transformation (NTv2)

Parameters

- ◆ Over 165 defined Ellipsoids
- ◆ Over 630 defined Datum Transformations
- ◆ Over 30 defined Linear Units
- ◆ 7 Angular Units
- ◆ Use ours, or create your own!

Map File Formats

- ◆ AutoCAD DWG/DXF support through 2006
- ◆ ESRI Shapefile (SHP)
- ◆ ESRI ArcInfo Interchange Format (.e00)
- ◆ MapInfo Table Files (TAB)
- ◆ MapInfo Interchange Format (MIF)
- ◆ Microstation Drawing Files (DGN)
- ◆ Native Blue Marble Layer (BML)

Coordinate Systems

Common Coordinate Systems Included

- ◆ US State Plane 1927 (both original and exact solutions)
- ◆ US State Plane 1983
- ◆ UTM (Universal Transverse Mercator) North and South zones
- ◆ Gauss-Kruger Modified, 3TM, and 6TM
- ◆ XYZ Cartesian Earth-Centered Earth Fixed (ECEF)
- ◆ New Zealand Map Grid
- ◆ Military Grid Reference System
- ◆ Grids for Argentina, Australia, Austria, Bahrain, Belgium, Borneo, Columbia, Cuba, Egypt, England, France, Ghana, Greece, India, Iraq, Ireland, Italy, Japan, Minnesota, Netherlands, New Brunswick, New Zealand, Nigeria, Peru, Phillipines, Qatar, Quebec, Rumania, Veracruz, and many more.

Map Projections

- ◆ Albers Equal-Area Conic
- ◆ Azimuthal Equal Area
- ◆ Azimuthal Equidistant
- ◆ Bonne
- ◆ Cassini
- ◆ Eckert IV
- ◆ Eckert VI
- ◆ Equal-Area Cylindrical
- ◆ Equidistant Conic
- ◆ Equidistant Cylindrical
- ◆ European Stereographic
- ◆ Gnomonic
- ◆ Hotine Oblique Mercator (Rectified Skew)
- ◆ Hungarian National System (EOV)
- ◆ IMW Polyconic
- ◆ Krovak
- ◆ Laborde
- ◆ Lambert Conformal Conic (1 parallel)
- ◆ Lambert Conformal Conic (2 parallel)
- ◆ Mercator
- ◆ MGRS (Military Grid Reference System)
- ◆ Miller Cylindrical
- ◆ Mollweide
- ◆ Orthographic
- ◆ Polar Azimuthal Equal Area
- ◆ Polar Azimuthal Equidistant
- ◆ Polar Stereographic
- ◆ Polyconic
- ◆ Robinson
- ◆ Sinusoidal
- ◆ Space Oblique Mercator
- ◆ Stereographic
- ◆ Stereographic 70
- ◆ Swiss Oblique Mercator
- ◆ Transverse Mercator (Gauss-Kruger)
- ◆ Two-Point Fit (polynomial)
- ◆ Van der Grinten 1

Functional Overview



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