New Features

General

- Find commands easily with the sleek new ribbon bar user interface
- Keep your data and your map together by embedding data in GSM files
- Be able to use bigger files with the new 64-bit installation option
- Import and export data with an unlimited number of attribute fields
- Zoom easily and more precisely using mouse scroll wheel at cursor location
- Change coordinate systems easier than ever with a **Surfer**-like Coordinate System dialog
- Click Move/Size Inset command, Draw commands, and Zoom commands just once to use them multiple times consecutively
- Pin managers to easily collapse and expand them with a single click
- Move and size objects easily with the new position/size toolbar
- Find and edit object properties quickly with the Object Manager and Property Manager
- Get helpful hints with the Tip of the Day, which displays on startup

Maps

- New map type: Create a line/scatter plot for each boundary by using the new Multi-Graph map
- New map option: Display your cartogram map as contiguous to keep adjacent areas connected
- New map option: Size pin map symbols proportional to a data value in between the min and max symbol sizes
- Download raster maps from online WMS servers
- Territory map: Create territory from text column in worksheet
- Hatch map: Bin classes from text column in worksheet
- Pie map: Remove 100% line
- Pin map: Save classes based on string values
- Allow scaling of plot containing prism map

Other

- Query across multiple layers
- Set scale bar title offset
- Use new Collect Colors command to quickly add custom colors to the color list with a click

Labels/Text

- Unicode support
- Use the new text editor to have more control over your text properties
- Control label opacity
- Customize your plot by moving/editing/hiding individual data labels
- Display graticule labels in Degree Minute Second (DMS) format
- Move posted label and have leader line point back to centroid

Objects

- Set partial transparency/opacity
- Create an immovable title block by locking objects (or layers)
- Draw text that follows a curve
- Reverse any color spectrum

- Utilize additional line styles
- Fill objects with linear or radial gradient fills

Legend

- Edit legend entry formatting and font properties
- Support label frequency for map types with numeric legend entries
- Pie map: Specify 1 or 0 Samples in legend
- Symbol map: Choose symbol levels

Worksheet

- Custom and locale-based date/time formats
- Allow commas as decimal delimiters
- Percentage format support
- Transpose rows to columns and vice versa
- Transform: PI() and ROUND() added to Formulas list
- New "Mode" statistics calculation
- Ignore blanking value when calculating statistics

Automation

- Support for /x flag when running via command line
- Pass command line arguments to a script
- TXT import: Use comma as decimal symbol option
- Updated MVProjection Type values to include new projections
- Allow Inset to list all layers it contains
- Ignore blanking value when calculating Statistics

Import/Export

General

- Tiff Import: Support YCbCr Color Format
- PDF Import: Increase DPI
- PDF Export: Support compression, page size option
- PDF Vector Export: Support partial transparency for image fill patterns
- Import bitmap at original DPI
- GSI Export: save symbol properties, save coordinate system info internally
- BLN Export: Blanking Flag option in BLN Export Options dialog
- KML Export: Option to export text as 'label' placemarks instead of icons or areas/curves
- Improved export of stock fill patterns
- Remember last export file type

New Import and Export Formats

- Google Earth KML/KMZ
- Excel XLSX
- JPEG2000 (JP2)
- SEG SP1

New Import Formats

- Excel XLSM
- Access 2007
- MrSID
- GPX
- Zipped Shapefiles
- LASer LiDAR data
- PDF (as raster)
- TerraGo GeoPDF
- ECW ER Mapper
- Tiled TIF (import all tiles at once)
- 56-bpp Landsat based GeoTIFF

New Export Formats

- SVG Scalable Vector Graphics
- HTML Image Map
- GeoPDF
- Transparent TIF/PNG/GIF/PDF/GSI
- Vector PDF with layers

More Coordinate Systems

General

- Save custom projection and datum information
- Search for Coordinate System/EPSG code in Assign Projection dialog
- Set Datum to Popular Visualization when ellipsoid same as Popular Visualization
- WGS84: change spheroid definition to be compatible with ArcMap

New Coordinate Systems

- New Zealand Transverse Mercator 2000
- Hungarian National Grid EOV
- Russia Pulkovo
- Posgar94
- Sweref99
- British National Grid & Ordnance Survey (OSGB36)
- WGS84 Web Mercator
- Japan Plane Rect.
- Swiss LV95 and LV03
- Bursa-Wolf (7-parameter) Transformation Version of the CH1903 Coordinate System
- South African Grid
- Taiwan TWD67 and TWD97
- Irish National Grid
- Portuguese National Grid
- Australian GDA94 with GDA94 datum
- Michigan GeoRef (1point+azimuth)
- Kentucky Single Zone

- ISG
- Europe UTM zone 29N using European 1950 - Port./Spain datum
- ITM: Irish Transverse Mercator
- SVY21
- More Australian grid coordinate systems
- WGS84 Web Mercator (900913) and WGS84 Web Mercator (EPSG 3857)
- France: RGF93 / CC (zones 42-50)

New Projections

- New Zealand Map Grid
- Hotine Oblique Mercator 2-Point
- Gauss-Boaga
- Mount Eden Circuit 2000
- Support Ordnance Survey
- SCOPQ (MTM)

New Datums

- D_Hartebeesthoek_1994
- Potsdam 1983 (PD83)
- NGO 1948
- NWS-84
- Japanese Geodetic Datum 2000
- ITRF94

Send comments about this topic.