



GIS / MAPPING TECH NOTES

January 7
2010

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Welcome to MAPPING / GIS Tech Notes - Frontier Precision's monthly e-newsletter!!! MAPPING / GIS Tech Notes is designed to keep you up to date with tips and information on the latest TECHNOLOGY IN MAPPING & GIS PRODUCTS. Our company goal is to help you be more efficient and more profitable by utilizing The most up to date technology.

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Tech Support Hotline 888.797.4774

Important Updates to

Trimble MGIS Field and Office Products

In December 2009, Trimble introduced some new Mapping and GIS software technology. These enhancements focus on the Global Navigation Satellite System (GNSS) for higher accuracy for data collection in a number of field conditions. This new technology, which includes a new post processing engine, is called Delta Phase technology.

This new Delta Phase technology is a revolutionary technique for improving the accuracy of GNSS code phase measurements. Results from receivers such as the Trimble Geo XT, Pro XT, and Juno handhelds are significantly improved, even in areas of higher multipath.

This new Delta Phase technology also shows a significant improvement to the H-start receivers, such as the Geo XH and Pro XH. Users will now see a more consistent 10cm Horizontal and Vertical precision, even with longer baselines, in tougher environments, and also with shorter occupation times when post processing.

Users of this new technology will also see an improvement of a higher position yield, giving the user more quality measurements being recorded in a given environment. By leveraging an enhanced processing engine, users can adjust satellite masks giving more signals to the overall solution. When working in moderate canopy environments, users will see a 20% increase in yield.

These new updates also allow access to Glonass satellites and are now able to process Glonass satellite data. The only receiver currently able to utilize the Glonass satellites is the Pro XRT receiver.

Software updates are now available for Trimble TerraSync , GPS Pathfinder Office, GPS Correct, and GPS Analyst software. Customers on a current support agreement can get these updates now. If you are not on support, you will need to contact your local Frontier Precision representative for more information.

Minnesota Mapping and GIS: Del Stewart 1-877-698-3077

Dakota's Mapping and GIS: Nathan Kupfer 1-800-359-3703

Current Firmware Versions

Trimble TerraSync	4.01
Trimble Pathfinder Office	4.10
Trimble GPSCorrect for ArcPad	3.01
Trimble GPS Analyst Extension	2.10
Trimble TSC2 / TCU Survey Controller	12.45
Trimble ACU/TSCe Survey Controller	11.40
Trimble Business Center	2.20
Trimble NetR5	3.60
Trimble HPB450 / PDL450	2.42
Trimble Geomatics Office	1.63
Trimble TerraModel	10.6
GPS Controller SW (2008 GeoExplorer)	2.22
Data Transfer Utility	1.47
Nomad GPS FW	3.10
Nomad G Series GPS FW	3.30
Juno SB & SC GPS FW	3.30
Juno ST GPS FW	3.10
GeoExplorer 2008 Series GPS FW	2.03
GeoExplorer 2005 Series GPS FW	1.82
GeoExplorer 2003 Series GPS FW	1.05A

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Upcoming Events (click on title for more details)

Jan 20

[MN Wetlands Conference](#) - St. Paul, MN