

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.

IMPORTANT - NANU Forecast Outage

Satellite 32 will be AT LIMITED OR NO USE July 1-2, 2008

Tech Support Hotline
888.797.4774

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H-Star Best Practices (Geo XH handheld & Pro XH Receivers)

When trying to get H-star quality data (sub-foot accuracy), there are some important things to keep in mind:

- You want to have a minimum of 2 minutes of uninterrupted Satellite tracking time.** This could include a 30 second point feature, then 30 seconds of not-in-feature tracking, then a 1 minute line feature.
- You need to be aware of things that can cause "loss of lock"** (i.e..trees, buildings, your body, or getting multipath from these sources). This can also negatively impact your results when working with the H-star receivers. Try to use a pole or keep the unit high enough to maintain lock between features. This will help improve the results.
- Try to use a Post Processed Base Station within 80km of your collection.** If this is not possible, then you will need 3 base stations within 200km of your collection. Make sure to research your base stations to ensure they provide reliable results, have good accurate locations, tell which datum the reference position of the base is in, and provide a good integrity index.
- Use known coordinates to evaluate your results.** It is also important that you try to use a current version of Field Software, like Terra Sync version 3.21 (current software versions are listed on the right of this newsletter). Trimble has improved the handling of poor GPS environments with this version when using an H-star Receiver.

If you have further questions on properly setting up or collecting data using your H-star Receiver, please contact your local Trimble Representative or the Frontier Precision Tech Support line.

Current Firmware Versions

Trimble TerraSync	3.21
Trimble Pathfinder Office	4.10
Trimble GPSCorrect for ArcPad	2.41
Trimble GPS Analyst Extension	2.10
Trimble TSC2 / TCU Survey Controller	12.22
Trimble ACU/TSCe Survey Controller	11.40
Trimble TSC2/CU/TSCe Survey Pro w/ TSX	4.5.3
Trimble NetRS	1.20
Trimble NetR5	3.60
Trimble HPB450 / PDL450	2.42
Trimble Geomatics Office	1.63
Trimble TerraModel	10.5

Upcoming Events

None Scheduled

NEW 2008 Series !!!



GEO XH	GEO XT	GEO XM
- Real time H-Star technology for subfoot accuracy in the field - optional 10cm real time accuracy w/ MN DOT CORS using a Zephyr antenna	- Real time sub-meter accuracy	- Real time 1-3 meter accuracy
All of the 2008 Series GeoExplorers have a high resolution VGA display, Windows Mobile v6 OS, 1 GB onboard storage plus SD slot, Bluetooth / wireless LAN options, powerful 520Mhz processor, built-in stylus holder & are ruggedly built with an all-day battery		

Visit www.frontierprecision.com for more information!!! Or click the area links below to reach a Frontier Precision Sales & Solution Specialist.

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