



TECH NOTES

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June 4, 2009

WELCOME TO TECH NOTES - FRONTIER PRECISION'S MONTHLY E-NEWSLETTER!!! TECH NOTES IS DESIGNED TO KEEP YOU UP TO DATE WITH TIPS AND INFORMATION ON THE LATEST TECHNOLOGY IN SURVEYING, CONSTRUCTION, AND GIS. OUR COMPANY GOAL IS TO HELP YOU BE MORE EFFICIENT AND MORE PROFITABLE BY UTILIZING TODAY'S TECHNOLOGY.

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please open the attached PDF file.

TECH SUPPORT HOTLINE 888.797.4774

Using the Minnesota DOT CORS Real-Time Network (VRS)

Properly shutting down the Survey

When using the Minnesota DOT CORS network with the Trimble Survey Controller software in a Real-time RTK mode, we encourage you to make sure to **End the Survey** when you want to shut down. During the survey, you will see under the Survey Menu an "End Survey" selection. This not only shuts the GPS Receiver off, but it also properly hangs up the phone. This is important, especially on the MN DOT server side, as a survey that is not shut down properly can tie up that communications port on the MN DOT server. This could negatively affect your connection to the MN DOT CORS system the next time you try and login. So when your battery is about to go dead on either the receiver or the phone and you are getting a low battery message, make sure to "End Survey", rather than let the equipment die on its own.

Working with MN CORS adjustments

Recently the state has been adjusting the Minnesota CORS base stations slightly to make a better overall fit between stations throughout the state. As these adjustments are made, it is possible that when you try and start a previous survey done with a previous adjustment, that the Survey Controller software will not allow you to log into the network. These adjustments are not applied to all stations, but just some stations that have been found to not fit as well. These adjustments are extremely small, but **any adjustment will cause this to happen even if it is only a millimeter**. If this does happen, you can either:

- Go into Files / Review Current Job and delete the previous days Base Station Point, then start the survey again.
- Or, you can create a new job, copy calibrations, points, or roads into the new job, then start the survey and it should start fine.

Again, this is only going to affect a small number of users and only if you are trying to work inside a pre-existing job.

If you have any further questions, you can contact our Tech Support Department at 888-797-4774
or contact your local Frontier Precision sales representative.

Trimble Access Software

[Click here for
details](#)



Current FW / SW Versions

Trimble 5700/5800	2.32	Trimble S6	R11.0.76
Trimble R8 GNSS	4.01	Trimble R7 GNSS / R6	4.01
Trimble TSC2/ TCU Survey Controller	12.44	Trimble HPB450 / PDL450	2.42
Trimble ACU/TSCe Survey Controller	11.40	Trimble Geomatics Office	1.63
Trimble TSCe Survey Pro w/ TSX	4.6.0	Trimble VX Spatial Station	R11.0.76
Trimble NetRS	1.20	Trimble GX 3D Scanner	4.0.5
Trimble NetR5	3.60	RealWorks	6.3.1

Visit www.frontierprecision.com for more information!!!

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