WinTomo™ Borehole Radar Tomography Program

WinTomo is a tomographic processing software developed for Borehole GPR data. The program runs under WIN95/98.

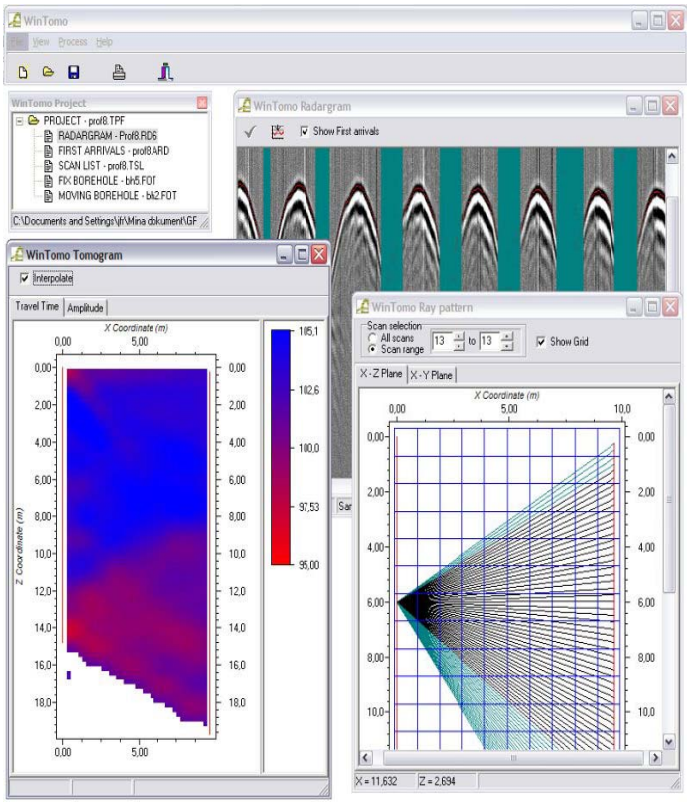
The software imports the Ramac GPR/BH data measured in cross-hole configuration. Radar data and information on borehole positions for the respective antennas are created through the data collection software GPR.EXE that is delivered together with the GPR-system. This enables a quick start of the processing sequence making the presentation of result after the fieldwork a rapid process. This new version of the software is developed especially for the new growing engineering market that utilizes shallow radar tomography as a tool for rapid site investigations.

The image shows a number of the windows used during processing. You can select to have only the active window open or multi-windows. WinTomo tomographic inversion generally follows a fairly fixed processing sequence. The following gives an example. Some steps may be interchanged.

Create a new project, load radar data, apply band pass filter, if necessary, load or create a scan list, load or create borehole coordinate definitions, find first arrivals, remove bad traces, adjust first arrivals, adjust background parameters, set grid parameters, set inversion parameters, perform inversion, interpret tomogram.

System requirements

- Windows 95, 98, 2000 or NT
- 100MHz Pentium processor
- 32MB of RAM
- 30MB free hard disk space
- 800x600 screen resolution
- ECP parallel port (IEEE1284) for optimal data acquisition performance



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