

Focus-information

▼ Geotechnology ▼ Hydrogeology ▼ Monitoring

Geotechnology >> Data evaluation

Trical 4 – Data evaluation

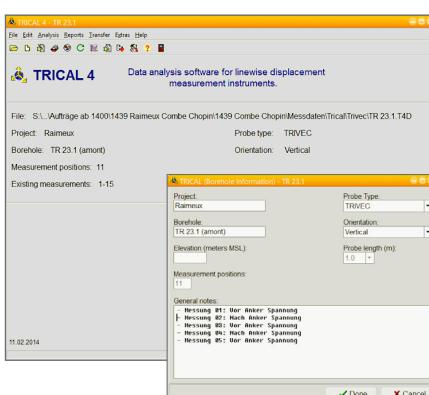
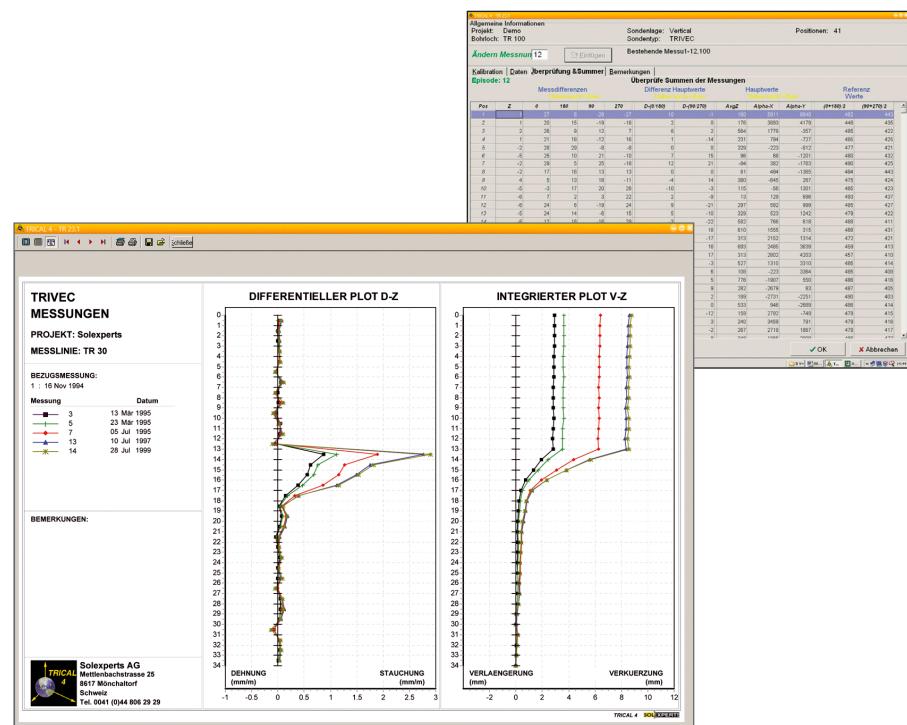
Processing and analysis of measuring values and results

Applications

Solexperts Trical 4 software is used for the processing and evaluation of data measurements from the measuring systems Trivec, Sliding Micrometer and Sliding Deformeter and the Borehole Inclinometer.

Trical 4 is efficient and easy to use. The data import, the analysis of the measurements and their evaluation is performed in a few clearly structured steps. Trical includes all necessary functions to be able to evaluate the measurements made with borehole instruments.

Graphics options / Data Editor

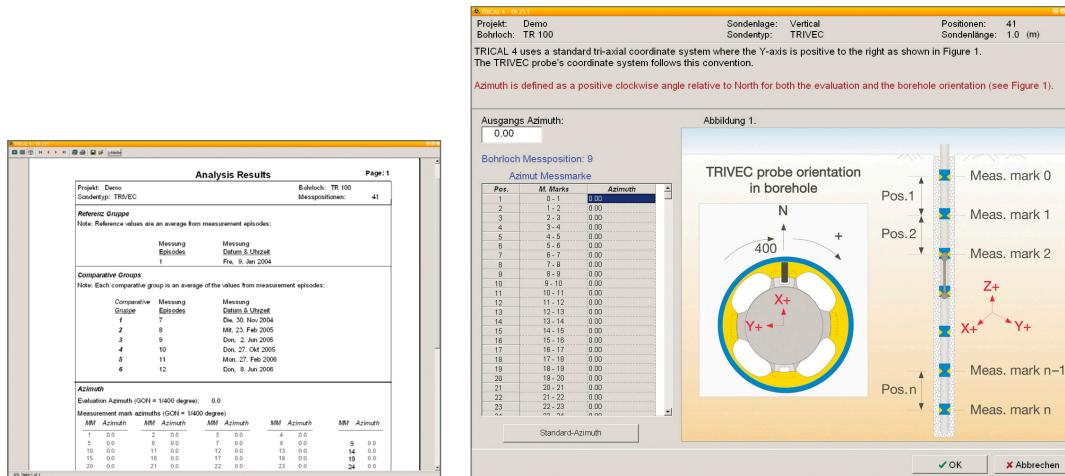


Solexperts Trical 4 Software

Features

- data transfer from field acquisition unit or manual input of measured values
- editor for input of project and borehole information as well as of the calibration values
- editor to compare and process the field measurements
- calculation of the X, XY or XYZ displacement profiles (depending on the instrument used); comparison of the measured values, taking into account fixed and end points; measuring lines can be divided into two sections (e.g. if the measuring line is interrupted by tunnelling operations); possibility of shortening a measuring line (e.g. due to excavation of the instrumented section) or lengthening it (e.g. by increasing the height of an instrumented fill or a retaining wall)

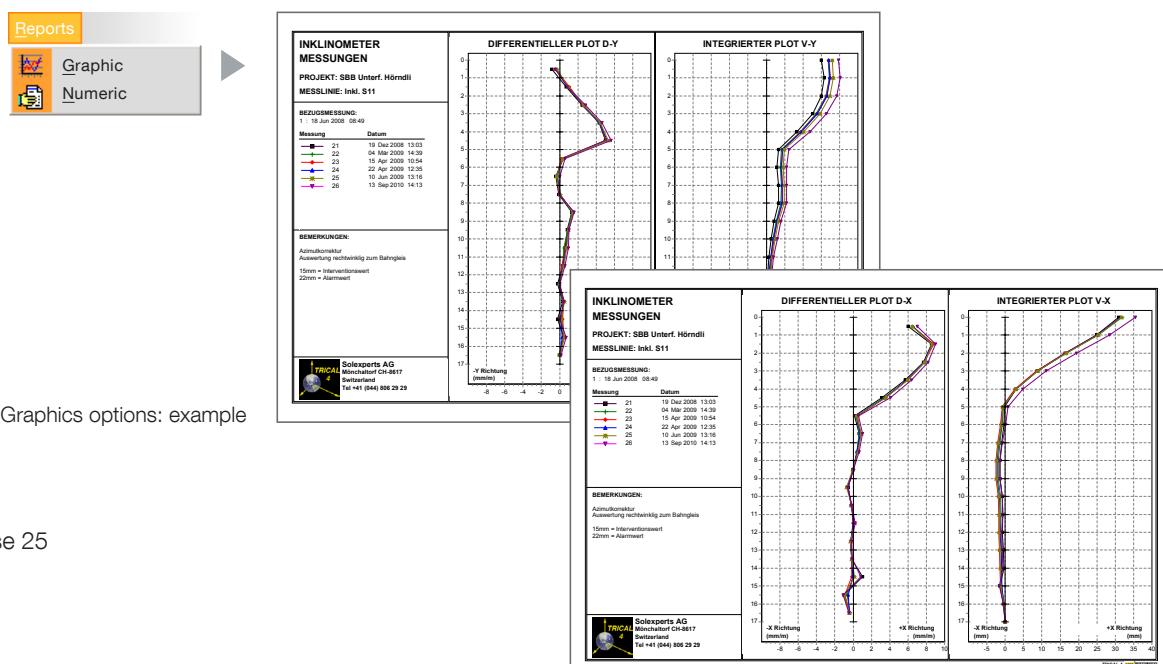
(continued on back)



Numerical results of measurements

Transformation of the evaluation direction and rotation of the measuring tube

- transformation of the calculated displacement vectors taking into account the absolute and relative rotation of the measuring tube
- numerical evaluation with borehole and project information, measured values, differential measured values and reference values of both inclinometer measuring positions, table with the calculated differential and integrated displacements
- graphical evaluation with selected combinations of the differential or integrated displacement profiles with a user-specified graphics scale and line type, inclusion of firm's logo and a text box for comments
- export of the data and results of measurements for WebDAVIS, the Web-based Solexperts data management system
- choice of software language: operation and evaluation of results in German, English, French or Spanish
- editor for any arbitrary output language for the evaluations



Graphics options: example

Solexperts AG

Mettlenbachstrasse 25
P.O. Box 81
8617 Mönchaltorf
Switzerland
Tel +41 (0) 44 806 29 29
Fax +41 (0) 44 806 29 30
info@solexperts.com
www.solexperts.com

Further, more detailed information can be found under:
www.solexperts.com/en/geotechnics/services/displacement-profiles/trical-software