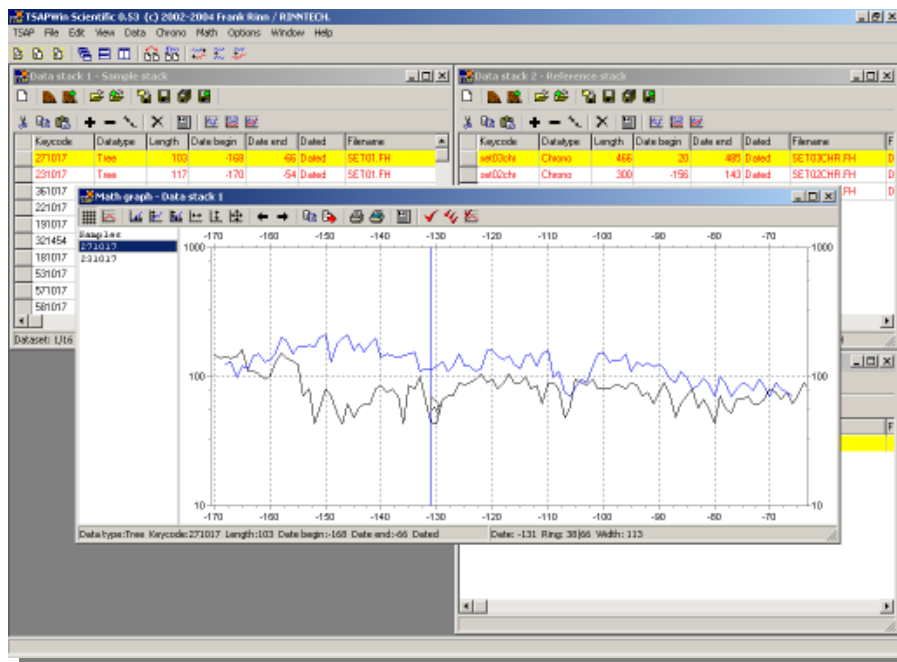Product information:

TSAP-Win™

Software for tree-ring measurement, analysis and presentation

Applications:
- Dendrochronology
- Dendroecology
- Dendroclimatology
- Archaeology
- Geography
- Geomorphology
- Forest science

Advantages:
- Modular design
- Supports LINTAB, VELMEX, ANIOL and other measurement stages
- Uses HEIDELBERG, TUCSON, CATRAS and other data formats
- Import of **LIGNOVISION** scanning data possible

Discovering the life story of trees

TSAP-Win Scientific follows the philosophy to cover the basic fields of dendrochronological analysis on one platform:
- **Measurement -** using LINTAB or other devices
- **Editing -** on-screen in the graph
- **Cross-dating** - on-screen, supported by statistical parameters
- **Chronology building** - from cross-dated samples or by adding samples to an existing chronology
- **Graphs** - lines, bars, beams, peaks
- **Mathematical operations —** Easy operations, indexation, trend/regression, correlations, statistics table
- **Exchange with foreign data formats** — Catras, Hemmenhofen, Birmensdorf, INRA, Belfast, V-Format and others
- **Connection of foreign measurement tables** — Velmex, Aniol and other devices
- **Database -** comfortable sort and search of data), available soon

TSAP-Win manages time series on data stacks. Thus, samples can be kept apart from references and output data, such as index series.
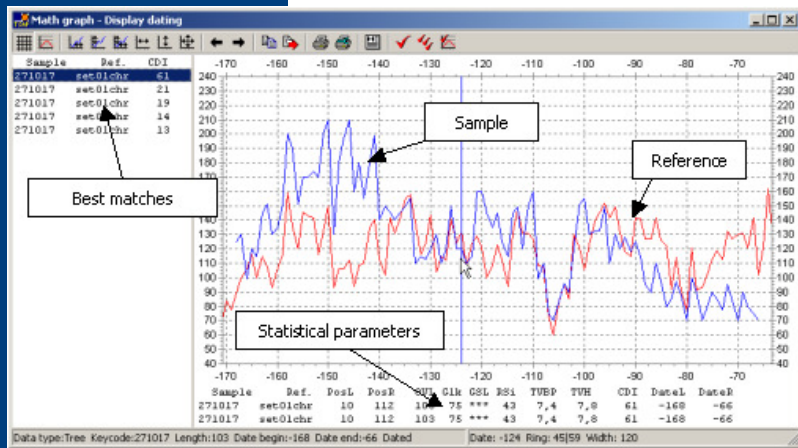
TSAP-Win versions:
- **Pro** (Measurement, editing, cross-dating + chronology building)
- **Additional modules:** Math library, graph library, database, data format filters, database (in preparation)
- **Scientific** (includes all modules)

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TSAP-Win™

Software for tree-ring measurement, analysis and presentation
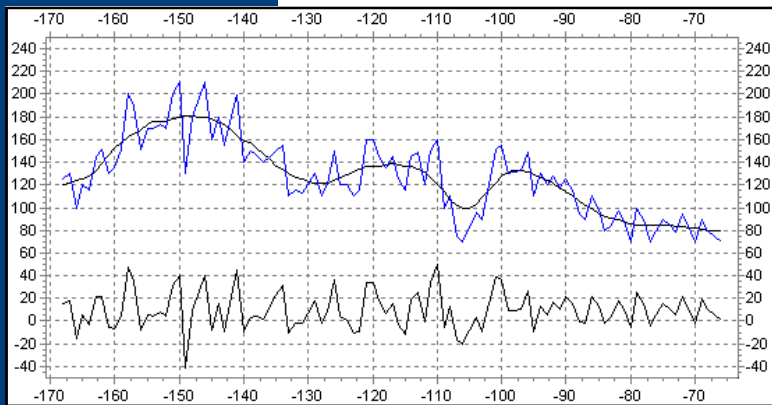
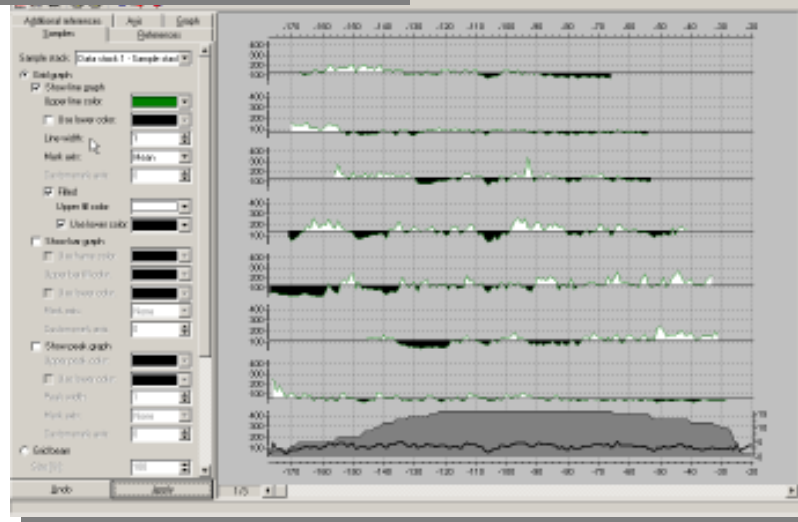### Special features of TSAP-Win (examples)

Math Graph

- On-screen cross-dating, supported by statistical parameters, such as t-values, Gleichläufigkeit and cross-date index (CDI).
- Best matches will be listed and displayed in the graph
- Series can be edited right away.
- Real-time calculation of correlation statistics

Graph Library

- Line, bar, core beam and peak graphs.
- Reference and replication can be added.
- Series can be sorted by date, length and key code
- Pointer years can be emphasised.
- Other editing functions

Math Library

- Indexation
- Trend/regression
- Cross-date check (like COFECHA, but graphically supported)
- Transformation
- Average/mean
- Statistics table
- Other functions

Download a trial version from: www.rinntech.com
or contact us directly:

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