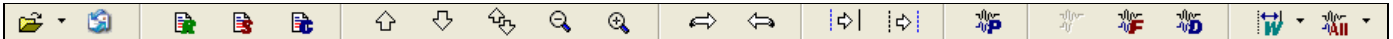Load Profile Data w/ Calculated Current Imbalance

DFR Waveform Record

Data Toolbar

Features:

- Reads various types of proprietary & standard formats from DFRs, Digital Relays, Meters and more.
- Translates fault records from their native format to the IEEE Std. C37.111 "COMTRADE format".
- Provides calculated channels for modeling of missing phases, sequence components, fault resistance…
- Creates combined event sequences from various types of digital fault records.
- Merges multiple fault records into one COMTRADE record (composite fault records).
- Supports IEEE Std. C37.232 "Naming Convention for Time Sequenced Data Files".

Channel Operations:

- Add, subtract, multiply and divide channels
- Shift phases and align channel data
- Plot RMS profiles and envelopes
- Plot harmonic waveforms and histograms
- Plot sequence components
- Plot real and imaginary components
- Plot watts, vars, and power factor
- Convert between secondary and primary values
- Convert between Peak and RMS calibrated data
- Correct polarities of currents and voltages
- Reconstruct missing phases
- Display phasor diagrams and circular charts
- Calculate fault resistance
- Calculate single ended fault locations
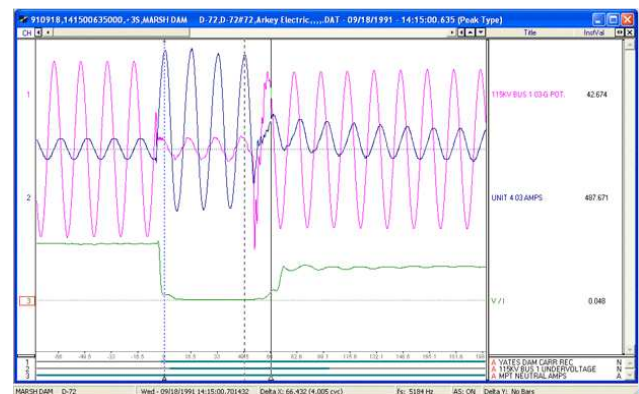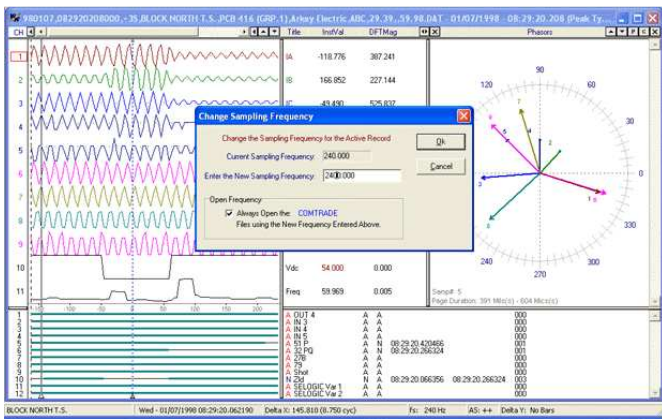- Calculate double ended fault locations

Product Description:

Wavewin is used for fast line restoration, fault and disturbance analysis, dynamic relay testing, real time monitoring of evolving loads, contingency planning, and intelligent maintenance applications.

The software is a specialized, high-resolution graphic interface designed for universal management, display and analysis of digital fault records. The software supports IEEE Std. C37.111 (1991, 1999, and 2013 COMTRADE formats) and the standard CSV format (allows for trending of periodic load measurements over long periods of time).

The main benefits are increased system reliability and reduced engineering time.

Calculated Fault Resistance Channel - V / I

Waveform Operations:

- Merging selected analog & digital channels
- Appending selected analog & digital channels
- Peak and cycle hopping
- Amplitude & time scaling
- RMS, phase, and crest calculations
- Synchronizing data bars across multiple records
- Superimposing currents and voltages
- Changing sampling frequency
- Adding and removing cycles
- Measuring fault durations
- Creating macros with RMS & phase values
- Displaying digital events & sensors
- Saving views and software channels

Change Sampling Frequency from 240 Hz to 2400 Hz

Harmonics:

- Sliding window harmonic analysis
- Dynamic/directional harmonic analysis
- Total harmonic distortion calculation

Harmonics – Tabular, Vector & Histogram
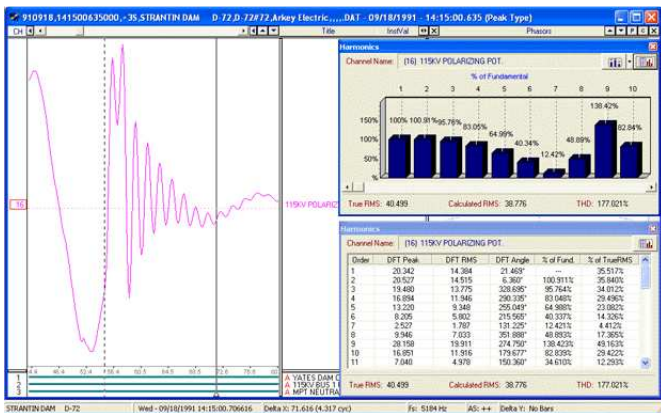
File Operations:

- Auto append all marked files
- Auto merge all marked files
- Convert proprietary data to COMTRADE
- Rename to IEEE C37.232-2011 convention
- Open all selected waveform files
- Automatic fault summary reports
- Fast search and query engines
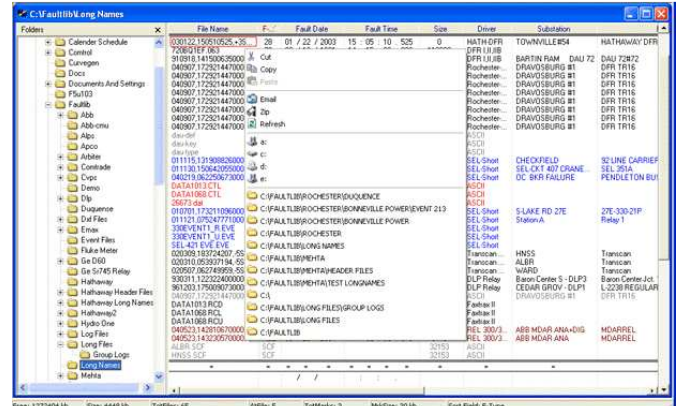- Specialized copy, move and email engines

Favorite folder navigation & common file naming convention

Sequence of events table w/ DFR and relay events & sensors

Contact Us:

To purchase the Wavewin software, please contact us at 800-818-3463 or sales@softstuf.com.

Hours: Weekdays 9:00 am to 6:00 pm EST (Visa, Master Card, American Express, and POs accepted)

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