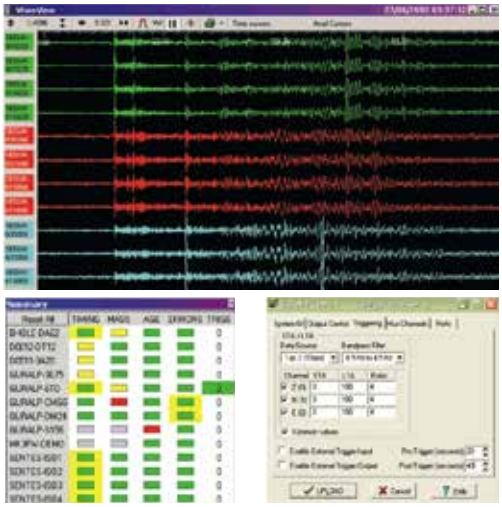
# Scream!

## SEISMIC NETWORK MONITORING SOFTWARE



## Scream! is a Windows and Linux application for **S**eismometer **C**onfiguration, **RE**al-time **A**cquisition and **M**onitoring.

Scream! is a freely-available software application, developed by Güralp, which allows you to monitor, configure and record data from an entire seismic network.

Scream! includes extensive support for TCP/IP and UDP/IP networks. It is designed to be effectively network-transparent, so users can contact and configure digitisers at remote sites as easily as those directly connected to the computer.

## Key features

- Receive data over serial or dial-up links, TCP/IP, UDP/IP or other file transfer protocols, or any combination of these
- Low-overhead GCF format for data transfer
- Real-time conversion to miniSEED, GSE 2.0, sac, P-SEGy, SUDS, PEPP or UFF format
- Display any number of incoming streams with real-time spectrogram calculation
- User-friendly interface to Güralp instruments including full mass control, calibration, digitiser output configuration and triggering
- Extension modules available for calibration, noise calculations and data analysis
- Diagnostic tools including data integrity checks, at-a-glance GPS and mass position status, and direct access to the digitiser console
- Advanced networking facilities
- Windows and Linux versions

Images of Scream! waveview and configuration screens

## Networking facilities

- Full IP networking support, including multicast groups
- Robust real-time network transmission protocol
- Support for polling autonomous stations over dial-up links
- Network summary window monitors the status of data streams, mass positions, and GPS timing for every instrument
- Automated e-mail alert facility
- The Scream! network protocol is supported by Earthworm's Scream2ew and Antelope's guralp2orb extension modules. Both modules are part of the standard distribution
- Stand-alone Scream! network clients are also available for converting data streams into (unauthenticated) CD1.0 and SEISLOG SFS format

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