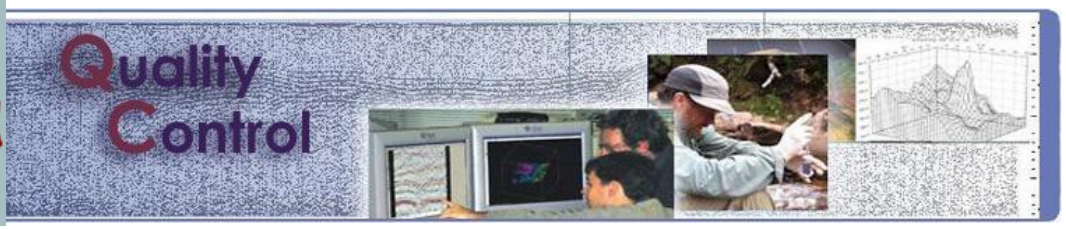
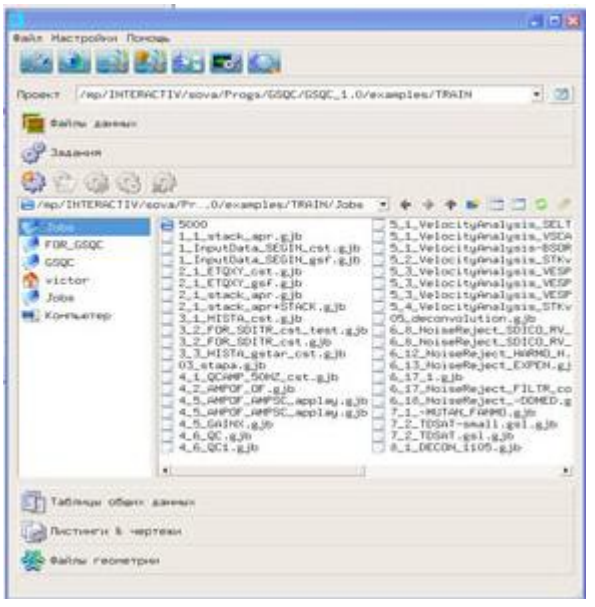


Quality control of field data and 2D and 3D seismic data pre-processing

The program package is designed to control the seismic exploration works and estimate the seismic data quality

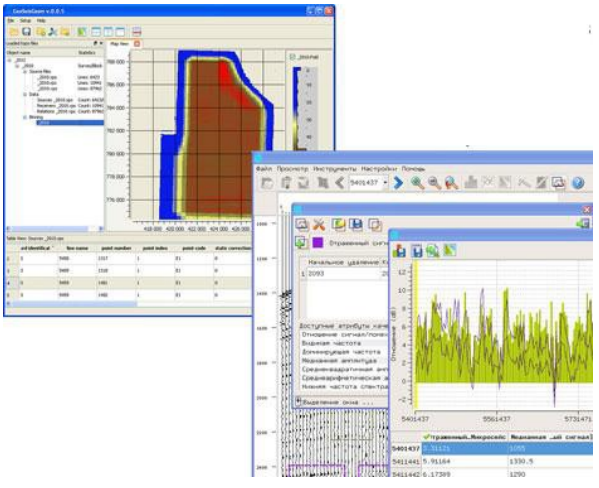
GeoSeisQC basic advantages

- Comprehensive set of tools to solve the tasks of quality control and field data express processing;
- Maximum reliability and simplicity of use. Friendly behavior towards the user, efficiency and reliability;
- Package scalability (a flexible system to manage the package modules);
- Multiplatform (productively works on Windows and Linux platforms).



GeoSeisQC software capabilities

- Primary data analysis
- Primary data processing
- Quality control
- Related programs



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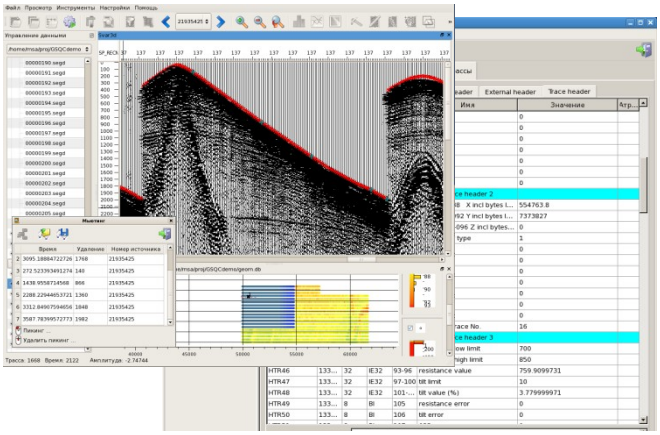
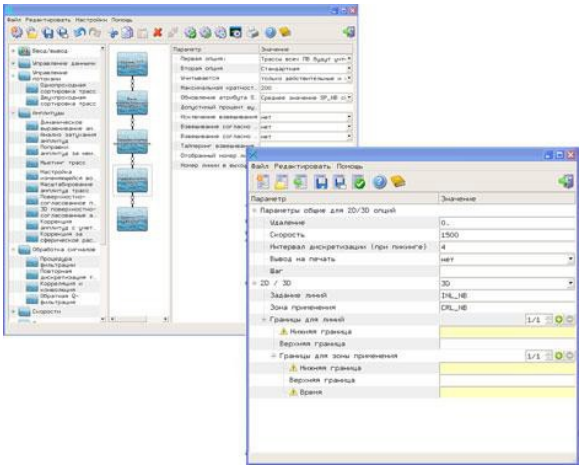
Preliminary data analysis



- Seismic format definition and data import (SEG-D, SEG-Y and other)
- Acquisition geometry loading and visualization (SPS, UKOAA, observer logs); DB formation of geometry and a priori static corrections, binning parameters selection, calculation of the median line, etc.
- Acquisition geometry application to 2D and 3D seismic data
- Visualization, selection of a priori velocity law, muting, filter parameters, attributes calculation, etc.
- Mathematical operations on trace samples and headers;

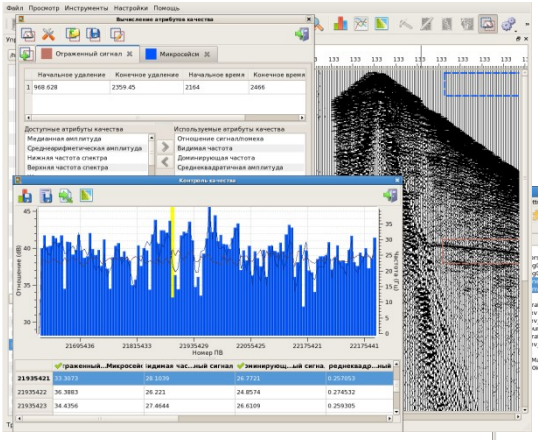
Data pre-processing

The software system includes interactive applications and more than 50 batch modules performing various operations with seismic data:

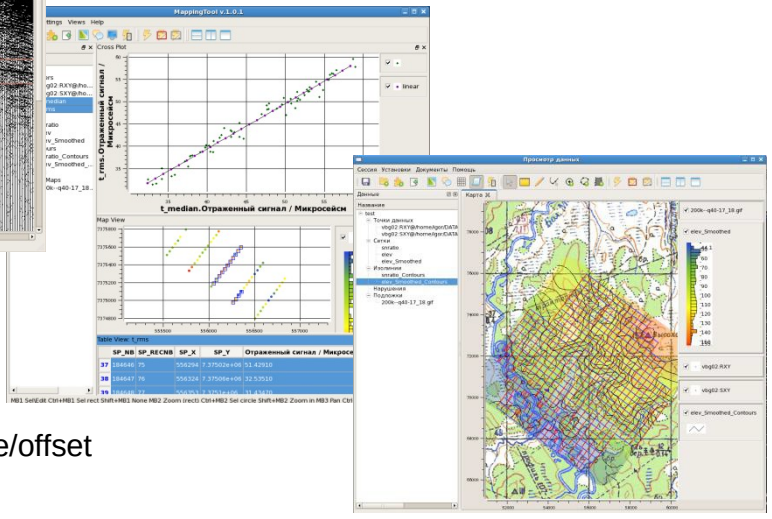


- Various types of stationary and non-stationary frequency filtering, AGC, deconvolution, muting, editing, etc.;
- Frequency-dependent noise attenuation;
- Velocity analysis, calculation and application of moveout, static, amplitude corrections, amplitude equalization;
- Stacking operation (including preserved amplitudes);
- Calculation of seismic records attributes;
- Automatic noise attenuation and estimation of the seismic data quality;
- Data flow control, selection and sorting traces

Quality control



- Efficient quality control tools.
- Determination of the signal-to-noise with ratio tables and plots, and mapping



- Quality control by frequencies and amplitudes
- Calculation of the signal (noise) average levels, signal/noise ratio and other parameters in defined time/offset (channel) windows