



## PRIMEGEO SOFTWARE

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# PRIMEGEO PLATFORM

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Module

Description

## LOG VIEWER

### IMPORT/EXPORT OF DATA

PRIMEGEO enables well survey data including directional survey data to be imported from various file formats: LAS, LIS, DLIS etc. Files can be imported by the piece or in groups. PRIMEGEO has an adjustment block to control the quality of the imported data by uncovering and eliminating data errors. If necessary, the structure of the data to be imported can be modified in the import process so that the user could build a standard system of data storage and handling.

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### VISUALIZATION AND PRINTING

Visual display of the reference grids and rules for well survey curves and for the curves themselves as well as coloring between them, special coloring (patterns) of lithology display, saturation etc. are user definable. The header and base panels of a summary chart are user defined on the erector set principle –test and graphic blocks are placed in the working panel that are then filled with well data. The summary charts may be printed out or saved into an image file like BMP, EMF, WMF, SGM, TIFF, PDF etc.

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### LAYOUT TEMPLATES

Once a layout (log summary chart) for a certain set of well survey data was created in PRIMEGEO the user can save the layout as a template. No extra time will be needed then to adjust visual data for similar surveys as earlier saved templates are enough and all the data will fit in the right place of the layout. Not only display of well survey curves, stratigraphies, lithologies etc. can be saved in a template but also references for automatic filling of applications, e.g. a well log header. In the latter case the software itself will find the required information in the layout data (or in WS files) and display it in the well log header.

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## BASIC TOOLS

### Module

### Description

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#### DEPTH MATCHING

Depth matching can be performed both manually when the user defines how a curve or a group of curves should be moved and compressed/stretched, and automatically. In the latter case correlation is performed automatically using collar locator curves.

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#### CURVE EDITING AND ADJUSTMENT

Editing programs can eliminate virtually all distortion occurring logging curves recorded in complex technical environments. Therefore, if the recorded curve poor quality, and the recording can't be repeated, an experienced interpreter can correct the curve by using a rich set of editing functions of the program .

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## INTERNAL PROGRAMMING LANGUAGE

### USER PROGRAMS

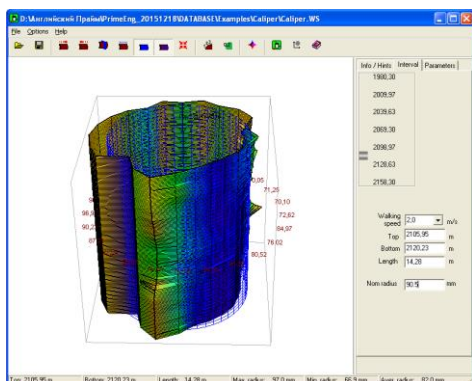
The user program is an internal system language which can be used to write programs of deferent degrees of complexity. On the one hand users who are not programmers can write programs using the integrated language ensured by a wide variety of in-built functions and capabilities. On the other hand a program designed by a professional using the integrated language may be easily passed to any user and exploited to solve his/her tasks.

# PRIMEGEO PLUGINS

## CASED HOLE

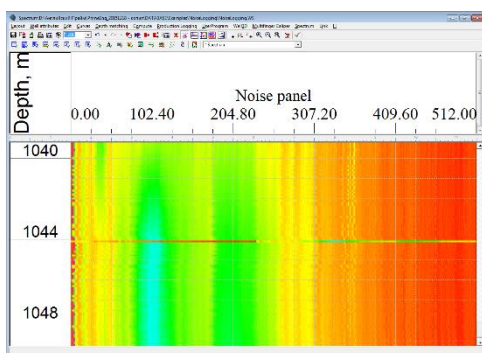
Module Description

### MFC - MULTI-FINGER CALIPER MODULE



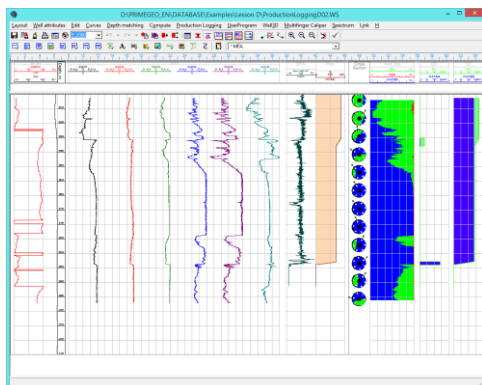
The module is designed to process multi-finger borehole geometry tool data. The module's function results in calculation of minimal and maximum well radius curves, well section area curves as well as even and uneven depth spacing imaging of well cross-sections. The module set may be completed with a 3D borehole visualizer.

### NLM - NOISE LOGGING MODULE



This module allows to visualize spectral noise logging data. Analyzing data of acoustic noise registered in a wide range of frequencies it is possible to identify for example production areas of the reservoir, casing string and production piping leakage areas, active perforation areas, behind-the-casing flows in the cement stone as well as in the rock and cracks

### PLM - PRODUCTION LOGGING MODULE

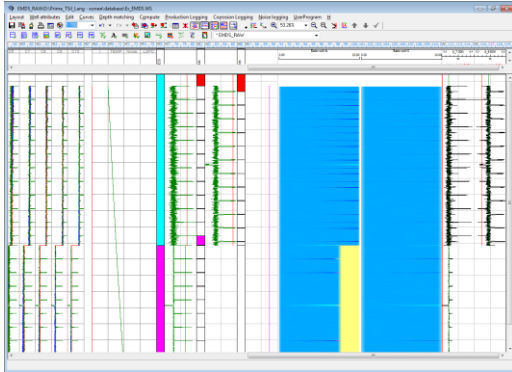


The module is designed to process data of flow metering surveys performed on production and injection wells. The module provides for processing of horizontal well log data obtained from tools with radially positioned capacitance sensors. The calculations made in this module result in one-phase (in case of injection wells) and multi-phase (in case of production wells) profiles of flow in the borehole of a well.

## EMD - ELECTRIC MAGNETIC DEFECTOSCOPE MODULE

Module

Description



Module for processing and interpretation of well electromagnetic defectoscope data. It allows to calculate metal losses of well strings (tubing and casing) based on measured electromotive force value.

OPEN HOLE

## MMS - MULTI-MINERAL SOLVER MODULE

*Coming soon*

The module is designed for a detailed analysis of petrophysical parameters of formations – porosity, composition, saturation etc. The analysis is carried out by solving sets of equations the components of which are measured or calculated parameters of a formation (rock density, hydrogen content, propagation time of elastic waves etc.).

## CONTACTS



### Headquarters & Accounting

K. Marksa st, building 37, office 514  
450076, Russian Federation, Ufa city

Telephone: +7 (347) 291-12-09

Website: [www.primegeo.org](http://www.primegeo.org)

E-mail: [support@primegeo.org](mailto:support@primegeo.org)